

Consent

From: Consent
Sent: Monday, February 19, 2024 6:21 PM
To: 'srothane1@mpcb.gov.in'
Subject: Submission of Half Yearly Post Monitoring Report for the period of April , 2023 – September, 2023 for the Residential cum commercial Project at village Kalher, Tal Bhiwandi, Dist- Thane in SPA area of Mumbai Metropolitan Region Development Authority.
Attachments: PMR-Adrika_Developers_ Apr,2023-Sept,2023.pdf

To,
The SRO THANE-I,
M.P.C.Board,
Thane.
Maharashtra

Subject : Submission of Half Yearly Post Monitoring Report for the period of April , 2023 – September, 2023 for the Residential cum commercial Project at S. No. 5/4, 5/7, 5/8, 5/11, 5/12, 5/15, 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 7/15, 7/16, 7/18, 7/19, 7/20, 7/20A, 7/20B, 7/22, 7/23A, 7/24, 7/25, 7/26, 7/27, 7/28, 7/29A, 7/29B, 8/1A, 8/2B, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/8, 9/9, 9/10, 9/11, 10/1, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/8A, 11/8B, 11/8C, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 11/17, 11/18, 11/19A, 11/19B, 11/20, 11/21, 11/22, 11/23, 11/25, 12/1, 12/2, 12/3, 12/4, 12/5, 12/5A, 12/6, 12/8, 12/9, 12/10, 12/11, 12/13, 12/14, 12/15, 12/18, 12/19, 13/1, 13/2, 13/5, 13/6, 13/7, 13/8, 65/B at village Kopar and S.No. 245/9, 246/1C, 246/2B, 247/1, 247/2A, 247/2B, 247/2C, 247/4A, 247/4B, 247/5, 247/7/A/1, 247/7/B, 247/8, 247/9A, 247/10, 247/12, 247/13A, 247/13B/1, 247/14, 247/15, 247/17, 247/18, 247/19, 247/20 at village Kalher, Tal Bhiwandi, Dist- Thane in SPA area of Mumbai Metropolitan Region Development Authority.

Reference: Clearance letter no. SEIAA-EC-0000002101 dtd. 13.02.2020.

Dear Sir,

This is with reference to the above subject for our project. We are submitting herewith our half yearly monitoring report with following contents:

- Data Sheet.
- Compliance Report.
- Post monitoring report.
- Energy conservation report.
- Copy of Environmental Clearance.
- Copy of Consent to Establish.
- Copies of the advertisement published in the newspaper (Marathi & English).

This is for your kind information.

Thanking you,

Yours truly,

M/s. Adrika Developers Pvt Ltd.

C.C. to: 1. The Director, MoEF&CC, Nagpur.
2. The Secretary, Environment Department, Mantralaya, Mumbai



Thanks & Regards

Dwirukti Poddar

M/s. Enviro Analysts and Engineers Private Limited.

B-1003, Enviro House, 10th floor.

Western Edge-II, W.E Highway.

Borivali(E), Mumbai-400066

Mobile No: 9322086202

Tel No: 91-22 2854 1647/48/49/67/68

Email: consent@eaepl.com / d.poddar@eaepl.com

“File this email in an email folder and save a tree.”

Consent

From: Consent
Sent: Monday, February 19, 2024 6:22 PM
To: eccompliance-mh@gov.in
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Attachments: PMR-Adrika_Developers_ Apr,2023-Sept,2023.pdf

To,
The Director
Ministry of Environment, Forests & Climate Change,
Regional Office, West Central Zone,
New Secretarial Building, East wing, Civil Lane,
Near Old VCA stadium,
Nagpur - 440001.
Maharashtra.

Subject : **Submission of Half Yearly Post Monitoring Report for the period of April, 2023 – September, 2023 for the Residential cum commercial Project at S. No. 5/4, 5/7, 5/8, 5/11, 5/12, 5/15, 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 7/15, 7/16, 7/18, 7/19, 7/20, 7/20A, 7/20B, 7/22, 7/23A, 7/24, 7/25, 7/26, 7/27, 7/28, 7/29A, 7/29B, 8/1A, 8/2B, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/8, 9/9, 9/10, 9/11, 10/1, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/8A, 11/8B, 11/8C, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 11/17, 11/18, 11/19A, 11/19B, 11/20, 11/21, 11/22, 11/23, 11/25, 12/1, 12/2, 12/3, 12/4, 12/5, 12/5A, 12/6, 12/8, 12/9, 12/10, 12/11, 12/13, 12/14, 12/15, 12/18, 12/19, 13/1, 13/2, 13/5, 13/6, 13/7, 13/8, 65/B at village Kopar and S.No. 245/9, 246/1C, 246/2B, 247/1, 247/2A, 247/2B, 247/2C, 247/4A, 247/4B, 247/5, 247/7/A/1, 247/7/B, 247/8, 247/9A, 247/10, 247/12, 247/13A, 247/13B/1, 247/14, 247/15, 247/17, 247/18, 247/19, 247/20 at village Kalher, Tal Bhiwandi, Dist- Thane in SPA area of Mumbai Metropolitan Region Development Authority.**

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C.C TO: 1. M.S., MPCB, Mumbai.

2. Environment Department, Mantralaya, Mumbai.



Thanks & Regards

Dwirukti Poddar

M/s. Enviro Analysts and Engineers Private Limited.

B-1003, Enviro House, 10th floor.

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Borivali(E), Mumbai-400066

Mobile No: 9322086202

Tel No: 91-22 2854 1647/48/49/67/68

Email: consent@eaepl.com / d.poddar@eaepl.com

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Date: 12.02.2024

To,
The Director
Ministry of Environment, Forests & Climate Change,
Regional Office, West Central Zone,
New Secretarial Building, East wing, Civil Lane,
Near Old VCA stadium,
Nagpur - 440001.
Maharashtra.

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Authorized Signatory

C.C TO: 1. M.S., MPCB, Mumbai.
2. Environment Department, Mantralaya, Mumbai.

Date: 12.02.2024

To,
The Director
Ministry of Environment, Forests & Climate Change,
Regional Office, West Central Zone,
New Secretarial Building, East wing, Civil Lane,
Near Old VCA stadium,
Nagpur - 440001.
Maharashtra.

Subject: Present status of Project work for the period of April, 2023 – September, 2023.

Reference: Clearance letter no. SEIAA-EC-0000002101 dtd. 13.02.2020.

Dear Sir,

This is with reference to the above subject, our Residential cum commercial Project at S. No. 5/4, 5/7, 5/8, 5/11, 5/12, 5/15, 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 7/15, 7/16, 7/18, 7/19, 7/20, 7/20A, 7/20B, 7/22, 7/23A, 7/24, 7/25, 7/26, 7/27, 7/28, 7/29A, 7/29B, 8/1A, 8/2B, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/8, 9/9, 9/10, 9/11, 10/1, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/8A, 11/8B, 11/8C, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 11/17, 11/18, 11/19A, 11/19B, 11/20, 11/21, 11/22, 11/23, 11/25, 12/1, 12/2, 12/3, 12/4, 12/5, 12/5A, 12/6, 12/8, 12/9, 12/10, 12/11, 12/13, 12/14, 12/15, 12/18, 12/19, 13/1, 13/2, 13/5, 13/6, 13/7, 13/8, 65/B at village Kopar and S.No. 245/9, 246/1C, 246/2B, 247/1, 247/2A, 247/2B, 247/2C, 247/4A, 247/4B, 247/5, 247/7/A/1, 247/7/B, 247/8, 247/9A, 247/10, 247/12, 247/13A, 247/13B/1, 247/14, 247/15, 247/17, 247/18, 247/19, 247/20 at village Kalher, Tal Bhiwandi, Dist- Thane in SPA area of Mumbai Metropolitan Region Development Authority.

The present project status at site is as follows:

Wings	floors	Status
Type A1	Stilt + 20 Floors	Blockwork, Internal Plaster, Putty, Gypsum, WC/ Bath & Kitchen Waterproofing work, Internal Plumbing Work, Kitchen Platform, Terrace Waterproofing,
Type A2	Stilt + 20 Floors	Blockwork, Internal Plaster, Putty, Gypsum, WC/ Bath & Kitchen Waterproofing work, Internal Plumbing Work, Kitchen Platform, Terrace Waterproofing,
Type A3	Stilt + 20 Floors	Blockwork, Internal Plaster, Putty, Gypsum, WC/ Bath & Kitchen Waterproofing work, Internal Plumbing Work, Kitchen Platform, Terrace Waterproofing,
Type A4	Stilt + 20 Floors	Blockwork, Internal Plaster, Putty, Gypsum, WC/ Bath & Kitchen Waterproofing work, Internal Plumbing Work, Kitchen Platform, Terrace Waterproofing,
Type B1	Stilt + 20 Floors	Blockwork, Internal Plaster, Putty,

		Gypsum, WC/ Bath & Kitchen Waterproofing work, Internal Plumbing Work, Kitchen Platform, Terrace Waterproofing,
Type B2	Stilt + 20 Floors	Blockwork, Internal Plaster, Putty, Gypsum, WC/ Bath & Kitchen Waterproofing work, Internal Plumbing Work, Kitchen Platform,
Type D3	Stilt + 17 Floors	Blockwork, Internal Plaster, Putty, Gypsum, WC/ Bath & Kitchen Waterproofing work, Internal Plumbing Work, Kitchen Platform, Terrace Waterproofing,
Type D4	Stilt + 17 Floors	Blockwork, Internal Plaster, Putty, Gypsum, WC/ Bath & Kitchen Waterproofing work, Internal Plumbing Work, Kitchen Platform, Terrace Waterproofing,
Type D1 & D2	Stilt + 20 Floors	N/A
Comm. (C1)	Ground	N/A
Clubhouse ON RG Level	Ground + 1 st part floor	N/A
Commercial C2	Ground (Shop) + Stilt Part + 5 th Floor	N/A
Type E (Resi.)	Stilt + 19 Floors	N/A

Thanking you,
Yours truly,
M/s. Adrika Developers Pvt Ltd.


Authorized Signatory

DATA SHEET

Developer

M/s. Adrika Developers Pvt Ltd.

At plot CS. No. 5/4, 5/7, 5/8, 5/11, 5/12, 5/15, 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 7/15, 7/16, 7/18, 7/19, 7/20, 7/20A, 7/20B, 7/22, 7/23A, 7/24, 7/25, 7/26, 7/27, 7/28, 7/29A, 7/29B, 8/1A, 8/2B, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/8, 9/9, 9/10, 9/11, 10/1, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/8A, 11/8B, 11/8C, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 11/17, 11/18, 11/19A, 11/19B, 11/20, 11/21, 11/22, 11/23, 11/25, 12/1, 12/2, 12/3, 12/4, 12/5, 12/5A, 12/6, 12/8, 12/9, 12/10, 12/11, 12/13, 12/14, 12/15, 12/18, 12/19, 13/1, 13/2, 13/5, 13/6, 13/7, 13/8, 65/B at village Kopar and S.No. 245/9, 246/1C, 246/2B, 247/1, 247/2A, 247/2B, 247/2C, 247/4A, 247/4B, 247/5, 247/7/A/1, 247/7/B, 247/8, 247/9A, 247/10, 247/12, 247/13A, 247/13B/1, 247/14, 247/15, 247/17, 247/18, 247/19, 247/20 at village Kalher, Tal Bhiwandi, Dist- Thane in SPA area of Mumbai Metropolitan Region Development Authority.

MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS

Ministry of Environmental and Forests
Regional Office (West Central Zone), Nagpur.

Monitoring Report

PART – I

DATA SHEET

1.	Project type: river - valley/ mining/ Industry / thermal / nuclear/ Other (specify)	Residential cum commercial Project
2.	Name of the project	Proposed Layout with Residential & Partly Commercial Building permission at village Kopar, Kalher Tal Bhiwandi, Dist- Thane by M/s. Adrika Developers Pvt. Ltd.
3.	Clearance letter (s) / OM/ no and date:	File no. SEIAA-EC-0000002101 Dtd 13.02.2020.
4.	Location	At plot CTS no. 5/4, 5/7, 5/8, 5/11, 5/12, 5/15, 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 7/15, 7/16, 7/18, 7/19, 7/20, 7/20A, 7/20B, 7/22, 7/23A, 7/24, 7/25, 7/26, 7/27, 7/28, 7/29A, 7/29B, 8/1A, 8/2B, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/8, 9/9, 9/10, 9/11, 10/1, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/8A, 11/8B, 11/8C, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 11/17, 11/18, 11/19A, 11/19B, 11/20, 11/21, 11/22, 11/23, 11/25, 12/1, 12/2, 12/3, 12/4, 12/5, 12/5A, 12/6, 12/8, 12/9, 12/10, 12/11, 12/13, 12/14, 12/15, 12/18, 12/19, 13/1, 13/2, 13/5, 13/6, 13/7, 13/8, 65/B at village Kopar and S.No. 245/9, 246/1C, 246/2B, 247/1, 247/2A, 247/2B, 247/2C, 247/4A, 247/4B, 247/5, 247/7/A/1, 247/7/B, 247/8, 247/9A, 247/10, 247/12, 247/13A, 247/13B/1, 247/14, 247/15, 247/17, 247/18, 247/19, 247/20 at village Kalher, Tal Bhiwandi, Dist- Thane in SPA area of Mumbai Metropolitan Region Development Authority.
a.	District (s)	Thane

b.	State (s)	Maharashtra																				
c.	Latitude / Longitude	Latitude: 19°15' 17.65'N Longitude: 73° 1'5.71" E																				
5.	Address for correspondence																					
a.	Address of concerned project Chief Engineer (with pin code & telephone / telex / fax numbers)	Ms. Pardnya Mhatre M/s. Adrika Deveopers Pvt. Ltd. Lawrence & Mayo House first floor, 276, Dr D N Road, Fort, Mumbai 400001 Tel: +91 2222198500 Email: info@dostirealty.com																				
b.	Address of Executive Project Engineer /Manager (with pin code / fax number)	Ms. Pardnya Mhatre M/s. Adrika Deveopers Pvt. Ltd. Lawrence & Mayo House first floor, 276, Dr D N Road, Fort, Mumbai 400001 Tel: +91 2222198500 Email: info@dostirealty.com																				
6.	Salient features																					
a.	of the project	Residential cum commercial Project Total Plot Area = 81,254.00 sq.m FSI = 1,16,396.95 sq.m. Non FSI = 31,450.87 sq.m. Total Construction Area = 1,47,847.82 sq.m. Building Configuration: <table border="1"> <thead> <tr> <th>Building</th> <th>Configuration</th> </tr> </thead> <tbody> <tr> <td>Type A1, A2, A3, A4</td> <td>St + 20 floors</td> </tr> <tr> <td>Type B1, B2</td> <td>St + Shop part + 20 floors</td> </tr> <tr> <td>Type B3</td> <td>St + 20 floors</td> </tr> <tr> <td>Type C</td> <td>St + 18 floors</td> </tr> <tr> <td>Type D1, D2, D3, D4</td> <td>St + 20 floors</td> </tr> <tr> <td>Type E</td> <td>St + 19 floors</td> </tr> <tr> <td>Commercial C1</td> <td>Ground floor</td> </tr> <tr> <td>Commercial C2</td> <td>Ground (shop) + Stilt Part + 5th flr</td> </tr> <tr> <td>Club House</td> <td>Ground + 1st Part Floor</td> </tr> </tbody> </table>	Building	Configuration	Type A1, A2, A3, A4	St + 20 floors	Type B1, B2	St + Shop part + 20 floors	Type B3	St + 20 floors	Type C	St + 18 floors	Type D1, D2, D3, D4	St + 20 floors	Type E	St + 19 floors	Commercial C1	Ground floor	Commercial C2	Ground (shop) + Stilt Part + 5 th flr	Club House	Ground + 1st Part Floor
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Club House	Ground + 1st Part Floor																					
b.	of the environmental management plans	1. <u>Sewage Treatment Plant:</u> 6 nos. and capacities 680 KLD, 120 KLD, 460 KLD, 130 KLD, 70 KLD, 30 KLD (total capacity																				

		<p>1490) will be provided for treating the wastewater.</p> <p>Recycled wastewater will be used for Flushing, gardening etc. Excess treated sewage will be disposed to MCGM sewer line.</p> <p>2. <u>Water Management:</u></p> <p>Total Water Requirement: 1,723 KLD</p> <p>Rain Water Harvesting tanks shall be provided to store the collected water.</p> <p>5 nos. of RWH tank will be provided with capacities of 120 KLD, 20 KLD, 80 KLD, 30 KLD, 130 KLD</p> <p>3. <u>Solid Waste Management:</u></p> <p>Bio-degradable waste will be treated in OWC & Dry waste will be handed over to Local recyclers for recycling & dried sludge from STP will be used as manure.</p> <p>4. Solar energy will be used for streets and landscape lighting.</p>
7.	Break Up Of the project Area	
a.	Submerge area : forest & :non-forest	Non-Forest
b.	Others	<p>Total Plot Area = 81,254.00 sq.m</p> <p>FSI = 1,16,396.95 sq.m.</p> <p>Non FSI = 31,450.87 sq.m.</p> <p>Total Construction Area = 1,47,847.82 sq.m.</p>
8.	Break up of the project affected: population with enumeration of those losing houses / dwelling units, only agriculture land only, both dwelling units and agriculture land and landless labourers / artisan	Not Applicable.
a.	SC, ST / Adivasis	---
b.	Others	---
	(Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried	

	out give details and years of survey)																															
9.	Financial details																															
a.	Project cost as originally planned and subsequent revised estimates and the year of price reference	Total cost: 340.8 Crores																														
b.	Allocation made for environmental management plans with item wise and year wise break-up	<p>EMP Cost:</p> <p>Construction phase:</p> <table border="1"> <thead> <tr> <th>Parameter</th> <th>Total Cost per annum (Rs. In Lacs)</th> </tr> </thead> <tbody> <tr> <td>Water Sprinkling, Green Belt Development, Covered storage area</td> <td>0.5</td> </tr> <tr> <td>Noise Barricades and Green Belt Developments</td> <td>1</td> </tr> <tr> <td>Modular STP, Drainage with sedimentation tanks</td> <td>0.5</td> </tr> <tr> <td>Site Sanitation & Health Care</td> <td>1</td> </tr> <tr> <td>Air, water, noise soil monitoring during construction phase</td> <td>2</td> </tr> </tbody> </table> <p>Operation Phase:</p> <table border="1"> <thead> <tr> <th>Description</th> <th>Capital cost Rs. In Lacs</th> <th>O & M cost (Rs. in Lacs/yr)</th> </tr> </thead> <tbody> <tr> <td>Rain water Harvesting</td> <td>46</td> <td>4.6</td> </tr> <tr> <td>Sewage treatment plant</td> <td>108</td> <td>36</td> </tr> <tr> <td>Solid Waste Management</td> <td>51</td> <td>10.2</td> </tr> <tr> <td>Landscaping</td> <td>25</td> <td>6</td> </tr> <tr> <td>Energy Conservation</td> <td>48</td> <td>8</td> </tr> </tbody> </table>	Parameter	Total Cost per annum (Rs. In Lacs)	Water Sprinkling, Green Belt Development, Covered storage area	0.5	Noise Barricades and Green Belt Developments	1	Modular STP, Drainage with sedimentation tanks	0.5	Site Sanitation & Health Care	1	Air, water, noise soil monitoring during construction phase	2	Description	Capital cost Rs. In Lacs	O & M cost (Rs. in Lacs/yr)	Rain water Harvesting	46	4.6	Sewage treatment plant	108	36	Solid Waste Management	51	10.2	Landscaping	25	6	Energy Conservation	48	8
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Energy Conservation	48	8																														
c.	Benefit cost ratio/ Internal rate of return and the year of assessment	---																														
d.	Whether (c) includes the cost of environmental management as shown in the above	---																														
e.	Actual expenditure incurred on the project so far	Rs. 134.41 Crore																														

f.	Actual expenditure incurred on the environmental management plans so far	STP- 0.45
10.	Forest land required	
a.	The status of approval for diversion of forest land for non-forestry use	The land is of non-forest type hence not applicable.
b.	The status of clearing and felling	R.G. Area Provided: 13,547 Sq. m. A combination of native evergreen trees and ornamental flowering trees, shrubs and palms are planned in the complex. There will be tree plantation of about 780 Nos. Different species will be selected as per CPCB green belt guidelines and common species available in the proposed area.
c.	The status of compensatory afforestation, if any	---
d.	Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	N.A.
11.	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads) , if any with quantitative information	N.A.
12.	Status of construction	
a.	Date of commencement (Actual and/or planned)	December, 2020
b.	Date of completion (Actual and/ of planned)	December, 2026
13.	Reasons for the delay if the project is yet to start	---
14.	Dates of site visits	
a.	The date on which the project was monitored by the regional office on previous occasions, if any	Not yet monitored.
b.	Date of site visit for this monitoring report	12.05.2023, 04.09.2023.

15.	Details of correspondence with project authorities for obtaining action plans/ information on status on compliance to safeguards other than the routine letters for logistic support for site visits	File no. SEIAA-EC-0000002101 Dtd. 13.02.2020. M/s. Adrika Developers Pvt. Ltd. Lawrence & Mayo House first floor, 276, Dr DN Road, Fort, Mumbai 400001 Tel: +91 2222198500 Email: info@dostirealty.com
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COMPLIANCE REPORT

Developer

M/s. Adrika Developers Pvt Ltd.

At plot CS. No. 5/4, 5/7, 5/8, 5/11, 5/12, 5/15, 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 7/15, 7/16, 7/18, 7/19, 7/20, 7/20A, 7/20B, 7/22, 7/23A, 7/24, 7/25, 7/26, 7/27, 7/28, 7/29A, 7/29B, 8/1A, 8/2B, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/8, 9/9, 9/10, 9/11, 10/1, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/8A, 11/8B, 11/8C, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 11/17, 11/18, 11/19A, 11/19B, 11/20, 11/21, 11/22, 11/23, 11/25, 12/1, 12/2, 12/3, 12/4, 12/5, 12/5A, 12/6, 12/8, 12/9, 12/10, 12/11, 12/13, 12/14, 12/15, 12/18, 12/19, 13/1, 13/2, 13/5, 13/6, 13/7, 13/8, 65/B at village Kopar and S.No. 245/9, 246/1C, 246/2B, 247/1, 247/2A, 247/2B, 247/2C, 247/4A, 247/4B, 247/5, 247/7/A/1, 247/7/B, 247/8, 247/9A, 247/10, 247/12, 247/13A, 247/13B/1, 247/14, 247/15, 247/17, 247/18, 247/19, 247/20 at village Kalher, Tal Bhiwandi, Dist- Thane in SPA area of Mumbai Metropolitan Region Development Authority.

COMPLIANCE REPORT

TERMS & CONDITIONS

Specific Conditions:

I	PP & planning authority to ensure that no part of plot falls in CRZ as per approved CZMP, 2011 & to obtain CRZ NOC, if required.	The project site does not falls under CRZ area as per approved CZMP 2011 (MAP MH 84
II	PP to ensure that all 6 proposed STPs should be 40% open to sky for adequate ventilation.	All the 6 nos. of STP proposed are in the open areas (beyond the foot print of the building). The typical section indicating more than 40 % of STP area open to sky with their location are attached as Annexure I
III	PP submitted that; they will be using surplus treated water of phase I in next phase of the project & so on. The planning authority to ensure that no occupation certificate is given to the Project till surplus discharge from STP of the Project is connected to duly developed and commissioned sewage disposal system of the planning authority. Also to ensure that no Commencement certificate is given to the further phase of the project, if they are not able to use surplus treated water. PP to also ensure that BOD of treated water should be less than 5 mg/lit.	The total surplus treated water from the STP is 1,466 KLD, the project will be developed in three phases. For Phase I excess treated water from the STP will be 675 KLD after utilizing in flushing and landscaping. The entire surplus treated water from phase I shall be utilized for construction purpose for Phase II and Phase III. The expected period to complete the Phase-I is 3 years. Further to that we are proposing a large development of approx. 40 acres in the upcoming project (nearby land) with Survey nos. S. No. 25/2, 25/3, 26/10, 26/13/7, 190 at village Rahanal, 40/7, at village Kevani, 151/2/A, 152/1, 152/2, 152/3, 152/4/A, 152/4/B, 152/4/C, 152/4/D, 152/5/A, 152/5/B, 153, 154/3/A, 154/3/B, 154/4, 154/7, 156/1, 156/2, 156/3, 156/4, 156/5, 157/1, 157/2, 158, 159/1/A, 159/1/B, 159/1/C, 159/2, 160/1, 160/2, 161/1, 161/2, 161/3, 161/4, 161/5, 162, 163/1, 163/2, 164/1, 164/4, 164/5/A, 164/6, 165/1, 165/2/A, 165/2/B, 165/3, 174/5 at village Purna, 16/2, 16/4, 16/5, 16/7, 16/9, 16/14, 16/15, 16/18, 16/21, 16/23, 16/23/A, 16/24, 16/25, 16/27, 16/28, 16/29, 16/30, 16/31, 16/34, 17/1, 17/2, 17/3, 17/4, 17/5,

		<p>17/7, 17/8, 17/9, 17/10, 17/13, 17/14, 18/2, 18/3, 18/5/A, 19/1A, 19/2, 19/3, 19/5, 19/6A, 19/7, 19/9, 19/10, 19/11, 19/12, 19/13 at Village Kopar, Tal-Bhiwandi, Dist-Thane. & balance surplus water will be utilized in next 10 years of period; till that time MMRDA will develop required sewerage network in that area.</p> <p>We ensure that no surplus treated water shall be discharged either land or in any water body till the Municipal sewerage network develop. We will also explore the possibility of usage of this water for any industry or farmers in nearby area.</p>
IV	PP to explore the possibility to increase the solar energy saving from 3.3 % to 5%	<p>We have revised the energy calculations. the solar energy savings increased from 3.3 % to 5%.</p> <p>A separate energy conservation report is attached.</p>
V	PP to provide adequate (1:5) electric charging points/ stations in parking area.	We are proposing approximately 650 nos. of charging points including 30 nos. of charging stations, which is 1:5.
VI	The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.	The projects site is beyond the 10 km radius of Thane creek flamingo sanctuary boundary. Hence the said NOC will not be applicable for this project
VII	PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area, as identified by Environment Department.	The CER is submitted and acknowledged from MMRDA. attached as Annexure II
VIII	PP to ensure Zero Liquid Discharge, hence the Specific Condition no 5 by SEAC will be supersede.	Yes, we noted the condition and agreeable to the same.

IX	PP to upload revised energy saving calculations.	A separate energy conservation report is attached
X	PP to ensure that CER plan gets approved from Municipal Commissioner/District Collector.	The CER is submitted and acknowledged from MMRDA. attached as Annexure II
XI	PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF& CC vide F.No.22-34/2018-IA.III dt.04.01.2019.	Yes, we noted the condition and agreeable to the same.
XII	SEIAA decided to grant EC for -FSI: 116396.95 m2, Non-FSI:31450.87 m2 and Total BUA:147847.82 m2 (Plan Approval no-SROT/BSNA/2501/BP/Kopar, Kalher-01/1646/2019, Date-27.08.2019)	We have already Received Ec for FSI: 116396.95 m2, Non-FSI: 31450.87 m2 and Total BUA:147847.82 m2

General Conditions:

1.	E-waste shall be disposed through authorized vendor as per E-waste (Management & Handling) Rules, 2016.	This is a residential project so there will no be E-Waste generation. There will be generation of domestic hazardous waste it will be handled as per the SWM rules, 2016.
2.	The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.	Condition is noted.
3.	This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild	ESZ Boundary for SGNP is already published. This project site does not fall under the ESZ boundary as notified.

	life clearance granted to the project which will be considered separately on merit.	
4.	PP has to abide by the conditions stipulated by SEAC & SEIAA.	Condition is noted.
5.	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI /FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	As per the Local authority scheme. The development will be as per the local planning authority norms. The development is done as per the approval, HRC NOC is also received.
6.	If applicable "Consent for Establishment" shall be obtained from Maharashtra pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.	Consent to Establish is received from MPCB. <ul style="list-style-type: none"> Consent No. Format 1.0/BO/JD(WPC)/UAN-0000089822/CE/CC-2007000616 dtd. 08.07.2020. Copy is enclosed.
7.	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Adequate numbers of toilets for Labour, provision of potable water etc. to maintain sanitary and hygienic measures are taken.
8.	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	Adequate drinking water facility is provided for the workers at the site during construction phase. Toilets are provided for construction workers. Bins have been provided to dispose the municipal solid waste generated from labor camps.

9.	The solid waste generated should be properly collected and segregated. Dry/ inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	The solid waste generated shall be properly collected and segregated. Biodegradable Waste shall be processed in OWC and manure so obtained will be used for landscaping Non-biodegradable Waste shall be managed through recyclers.
10.	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	All construction waste gets collected and segregated properly. Most of that is reused for the construction activity. Muck will be dried before its final disposal.
11.	Arrangement shall be made that waste water and storm water do not get mixed.	Separate confined sewage system has been provided which is connected to STP for the treatment and reuse of the treated water. Excess treated water shall be disposed off into the sewer drain. Storm water drain shall be in covered drain system and will be connected to municipal drain.
12.	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	Excavated topsoil is used for landscaping from time to time.
13.	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	The cut & fill is minimum to the extent possible. The cut & fill is accordance with the natural contour and it will be maintained in such a way that the natural drainage will not disturb. There will not be import and export of soil from site.
14.	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/Agriculture Dept.	<ul style="list-style-type: none"> • The green area proposed is 13,547 Sq. m. Accordingly same will be provide as per approved plan. • A combination of native evergreen trees and ornamental flowering trees, shrubs and palms are planned in the complex. • There will be tree plantation of about 780 nos.

		<ul style="list-style-type: none"> Plantation Details: Species will be selected as per CPCB green belt guidelines and common species available in the proposed area.
15.	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	Soil testing was done and according to the reports all the parameters are within the prescribed norms.
16.	Construction Spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.	There will be no generation of hazardous waste at site but proper care would be taken following the norms to disposal of the hazardous material at site.
17.	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.	Used oil would be generated from the site, will be disposed through Authorized vendor of MPCB.
18.	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.	DG set specifications shall be as per CPCB norms.
19.	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken	Use in emergency. Necessary permission of competent authority will be taken to store diesel in the premises for operation of DG set.
20.	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.	The PUC checked/authorized vehicles are allowed on the site for transfer of material.
21.	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be	Following care are taken regarding noise levels with conformation to the residential area.

	<p>closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.</p>	<ol style="list-style-type: none"> 1. Earth moving equipment's creating less Noise pollution will be used. 2. Noise shields near the heavy construction operations are provided. 3. Construction activities are limited to daytime hours only. 4. Site is barricaded from all sides. <p>Also use of Personal Protective Equipment (PPE) like ear muffs and ear plug during construction activities.</p> <p>The ambient air and noise report is enclosed herewith. The report indicates that the same are within the prescribed norms defined by the concern authority.</p>
22.	<p>Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003 (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).</p>	<p>Yes, Ready mixed concrete added with fly ash is used in the construction.</p>
23.	<p>Ready mixed concrete must be used in building construction.</p>	<p>Yes, Ready mixed concrete added with fly ash is being used in the construction.</p>
24.	<p>Storm water control and its re-use as per CGWB and BIS standards for various applications.</p>	<p>Rainwater from terraces and other open area is diverted to recharge pits for ground water recharge.</p>
25.	<p>Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.</p>	<p>Ready mix concrete is being used to reduce water demand during construction.</p>
26.	<p>The ground water level and its quality should be monitored regularly in consultation with Ground water Authority.</p>	<p>There is no extraction of ground water in this project. The ground water levels and its quality are checked before commencement of the project. The copy of the same is enclosed herewith.</p>

27.	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled / reused to the maximum extent possible. Treatment of 100% gray water by decentralized treatment should be done. Discharge of unused treated effluent shall conform to the norms and standards of the Maharashtra Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.	6 nos. and capacities 680 KLD, 120 KLD, 460 KLD, 130 KLD, 70 KLD, 30 KLD (total capacity 1490) will be provided for treating the wastewater. Treated water shall be used for the flushing and Gardening, Landscaping and Green belt area development. After the satisfactory completion of the work, the installation got certified from independent expert agency and report in this regard will be submitted to the Ministry of Environment, Forest and Climate Change before the project is commissioned for operation.
28.	Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project.	We are not drawing any water from ground. We are using only Tanker water for construction.
29.	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.	Yes, water will be separated by the use of dual plumbing line.
30.	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.	Adequate measures will be taken into consideration to minimize the wastage of water.
31.	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.	Glazing area will be maintained below 40% of the façade area for the residential buildings.
32.	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	<ul style="list-style-type: none"> • Roof insulation 50 mm expanded polystyrene or equivalent insulation. • Heat reflective double-glazed glass provided on external façade for the residential buildings.
33.	Energy conservation measures like installation of CFLs / TFLs for the lighting the areas outside the building should be integral part of the project design and	A separate energy conservation report attached with this report.

	<p>should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.</p>	
34.	<p>Diesel power generating sets proposed as sources of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed GD sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.</p>	<p>D.G. sets are provided as back up for Residential buildings.</p> <p>About 6 Nos. of DG with capacities 1 x 500 KVA + 1 X 320 KVA, 2 X 320 KVA, 250 KVA, 160 KVA shall be provided. DG will be provided with silencer & acoustic enclosures. The stacks are provided as per MPCB norms.</p>
35.	<p>Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.</p>	<p>Noise level monitoring is carried out regularly. The noise levels measures are within the prescribed standard for day and night time.</p> <p>Monitoring report of noise levels attached.</p>
36.	<p>Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.</p>	<ul style="list-style-type: none"> This effect would be prominent during construction as well as operation phase. The probability of inconvenience faced due to the frequency of truck movement during construction phase would be minimized by better control of traffic movement in the area. Noise levels expected from the planned operating conditions have been assessed and are likely to be within acceptable levels. The

		<p>impacts have been mitigated by the suggested measures in the “air control and management section”.</p> <ul style="list-style-type: none"> • Anti-honking sign boards are placed in the parking areas and on entry and exit point. The project will be provided with sufficient road facilities within the project premises and there will be a large area provided for the parking of vehicles. • Traffic signage boards are displayed at every chronic point. • Parking Details: 2W: 3224 nos. 4W: 1235 nos.
37.	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	Efforts for the Opaque wall will meet prescriptive requirement as per draft Energy Conservation Building Code by use of appropriate thermal insulation material to fulfill requirement.
38.	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	The building has adequate distance to allow movement of fresh air and natural light, Ventilation.
39.	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	Regular supervision done by our site engineer to take care of the construction activity and of the surroundings.
40.	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	Environmental Clearance is already obtained.
41.	Six monthly monitoring reports should be submitted to Regional Office MOEF, Nagpur with copy to this department and MPCB.	We are regularly submitting six monthly reports to Nagpur, Mantralaya & MPCB.

42.	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.	Condition is noted.
43.	Wet garbage should be treated by Organic Waste Converter and treated waste (Manure) should be utilized in existing premise for gardening. And no wet garbage will be disposed outside the premises. Local authority should ensure this.	Wet garbage is treated by Organic Waste Converter with curing system and manure shall be used for gardening.
44.	Local body should ensure that no occupation certification is issued prior tom operation of STP/MSW site etc. with due permission of MPCB.	Condition is noted.
45.	A complete set of all the documents submitted to Department should be forwarded to the MPCB	Complete set of all the documents submitted to the MPCB.
46.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	Condition is noted.
47.	A separate environment management cell with qualified staff shall be set up for implantation of the stipulated environmental safeguards.	Separate environment management cell with qualified staff is formed and implementing the same.
48.	Separate funds shall be allocated for implementation of environmental protection measures/ EMP along with item-wise breaks- up. These costs shall be included as part of the project cost. The funds earmarked for the environment	EMP Cost has been worked out and allocated. Year wise expenditure of the same is submitted to MPCB, Env. Dept along with the six-monthly compliance report. EMP Cost:

	<p>protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB and this department.</p>	<p>Construction phase:</p> <table border="1" data-bbox="883 243 1503 814"> <thead> <tr> <th>Parameter</th> <th>Total Cost per annum (Rs. In Lacs)</th> </tr> </thead> <tbody> <tr> <td>Water Sprinkling, Green Belt Development, Covered storage area</td> <td>0.5</td> </tr> <tr> <td>Noise Barricades and Green Belt Developments</td> <td>1</td> </tr> <tr> <td>Modular STP, Drainage with sedimentation tanks</td> <td>0.5</td> </tr> <tr> <td>Site Sanitation & Health Care</td> <td>1</td> </tr> <tr> <td>Air, water, noise soil monitoring during construction phase</td> <td>2</td> </tr> </tbody> </table> <p>Operation Phase:</p> <table border="1" data-bbox="883 884 1503 1339"> <thead> <tr> <th>Description</th> <th>Capital cost Rs. In Lacs</th> <th>O & M cost (Rs. in Lacs/yr)</th> </tr> </thead> <tbody> <tr> <td>Rain water Harvesting</td> <td>46</td> <td>4.6</td> </tr> <tr> <td>Sewage treatment plant</td> <td>108</td> <td>36</td> </tr> <tr> <td>Solid Waste Management</td> <td>51</td> <td>10.2</td> </tr> <tr> <td>Landscaping</td> <td>25</td> <td>6</td> </tr> <tr> <td>Energy Conservation</td> <td>48</td> <td>8</td> </tr> </tbody> </table>	Parameter	Total Cost per annum (Rs. In Lacs)	Water Sprinkling, Green Belt Development, Covered storage area	0.5	Noise Barricades and Green Belt Developments	1	Modular STP, Drainage with sedimentation tanks	0.5	Site Sanitation & Health Care	1	Air, water, noise soil monitoring during construction phase	2	Description	Capital cost Rs. In Lacs	O & M cost (Rs. in Lacs/yr)	Rain water Harvesting	46	4.6	Sewage treatment plant	108	36	Solid Waste Management	51	10.2	Landscaping	25	6	Energy Conservation	48	8
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49.	<p>The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in.</p>	<p>The advertisement is published in Marathi and English language in Marathi newspaper "THANE VAIBHAV" Dtd. 26/02/2020 & in English newspaper "THE FREE PRESS JOURNAL" Dtd. 26/02/2020 respectively. The Xerox copies of the same are enclosed for your ready reference.</p> <p>Also, the advertisement is displayed on website of company.</p>																														

50.	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1 st June & 1 st December of each calendar year.	We are regularly submitting six monthly reports to Nagpur, Mantralaya & MPCB.
51.	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Condition is noted.
52.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Regular monitoring is been carried out and the results of the same are submitted to concern authority along with the report.
53.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	We are regularly submitting six monthly reports to Nagpur, Mantralaya & MPCB.
54.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules,	Condition is noted.

	1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	
55.	The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act	Condition is noted.
56.	In case of submission of false document and non-compliance of stipulated conditions, Authority/Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.	Yes, we noted the condition and agreeable to the same.
57.	The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.	Yes, we noted the condition and agreeable to the same.
58.	Validity of Environmental Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.	The EC received SEIAA-EC-0000002101 Dtd 13.02.2020. The validity of this EC will be 7 years from 13.02.2020.
59.	In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the	Yes, we noted the condition and agreeable to the same.

	condition(s) imposed and to incorporate additional environmental protection measures required, if any.	
60.	The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.	Yes, we noted the condition and agreeable to the same.
61.	Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D- Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Yes, we noted the condition and agreeable to the same.

ENERGY CONSERVATION MEASURES

Developer

M/s. Adrika Developers Pvt Ltd.

At plot CS. No. 5/4, 5/7, 5/8, 5/11, 5/12, 5/15, 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 7/15, 7/16, 7/18, 7/19, 7/20, 7/20A, 7/20B, 7/22, 7/23A, 7/24, 7/25, 7/26, 7/27, 7/28, 7/29A, 7/29B, 8/1A, 8/2B, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/8, 9/9, 9/10, 9/11, 10/1, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/8A, 11/8B, 11/8C, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 11/17, 11/18, 11/19A, 11/19B, 11/20, 11/21, 11/22, 11/23, 11/25, 12/1, 12/2, 12/3, 12/4, 12/5, 12/5A, 12/6, 12/8, 12/9, 12/10, 12/11, 12/13, 12/14, 12/15, 12/18, 12/19, 13/1, 13/2, 13/5, 13/6, 13/7, 13/8, 65/B at village Kopar and S.No. 245/9, 246/1C, 246/2B, 247/1, 247/2A, 247/2B, 247/2C, 247/4A, 247/4B, 247/5, 247/7/A/1, 247/7/B, 247/8, 247/9A, 247/10, 247/12, 247/13A, 247/13B/1, 247/14, 247/15, 247/17, 247/18, 247/19, 247/20 at village Kalher, Tal Bhiwandi, Dist- Thane in SPA area of Mumbai Metropolitan Region Development Authority.

ENERGY CONSERVATION MEASURES

ENERGY CONSERVATION STATEMENT FOR DOSTI BHIWANDI RESIDENTIAL PROJECT PLOT 02						
Sr.No.	Description	Conventional		Energy Saving Method		% of Energy Saving / Day
		Units / Day	Cost (Rs. 5.5 / Unit)	Units Saved / Day (kWh/ Day)	Energy Cost Saving / Day (Rs/Day)	
1	TOWER A1	206.64	1136.52	119.56	657.56	42.14
2	TOWER A3	196.56	1081.08	113.72	625.48	42.14
3	TOWER B1	296.35	1629.94	171.46	943.03	42.14
4	TOWER C	99.29	546.08	57.45	315.95	42.14
5	TOWER D	397.15	2184.34	229.78	1263.79	42.14
6	TOWER E	113.90	626.47	65.90	362.46	42.14
7	External Areas (Considering 20% for common area lighting of all towers and External area)	118.16	649.88	72.92	401.07	38.29
8	Lifts on VFD's for TOWER A	921.60	5068.80	811.01	4460.56	12.00
9	Lifts on VFD's for TOWER B	691.20	3801.60	608.26	3345.43	12.00
10	Lifts on VFD's for TOWER C	230.40	1267.20	202.75	1115.13	12.00
11	Lifts on VFD's for TOWER D	921.60	5068.80	811.01	4460.56	12.00
12	Lifts on VFD's for TOWER E	230.40	1267.20	202.75	1115.13	12.00

13	Domestic Pumps-Set-1-Sector - 01	72.00	396.00	64.80	356.40	10.00
14	Domestic Pumps-Set-2- Sector-01 A	21.60	118.80	19.44	106.92	10.00
15	Domestic Pumps-Set-3- Sector-01 B	50.40	277.20	45.36	249.48	10.00
16	Domestic Pumps-Set-4- Sector-02	21.60	118.80	19.44	106.92	10.00
17	Flushing Pumps-Set-1- Sector-01	39.60	217.80	35.64	196.02	10.00
18	Flushing Pumps-Set-2- Sector-01A	10.80	59.40	9.72	53.46	10.00
19	Flushing Pumps-Set-3- Sector-01B	39.60	217.80	35.64	196.02	10.00
20	Flushing Pumps-Set-4- Sector-02	10.80	59.40	9.72	53.46	10.00
21	Hydropneumatics Pump Domestic	100.80	554.40	90.72	498.96	10.00
22	Hydropneumatics Pump Flushing	100.80	554.40	90.72	498.96	10.00
23	Dewatering Pump at Pump Room	28.80	158.40	25.92	142.56	10.00
24	Dewatering Pump at STP Room	28.80	158.40	25.92	142.56	10.00
25	STP-01	456.00	2508.00	410.40	2257.20	10.00
26	STP-02	81.60	448.80	73.44	403.92	10.00
27	STP-03	307.20	1689.60	276.48	1520.64	10.00
28	STP-04	86.40	475.20	77.76	427.68	10.00
29	OWC-01	57.60	316.80	51.84	285.12	10.00

30	OWC-02	19.20	105.60	17.28	95.04	10.00
31	OWC-03	57.60	316.80	51.84	285.12	10.00
32	OWC-04	19.20	105.60	17.28	95.04	10.00
33	WTP -01	48.00	264.00	43.20	237.60	10.00
34	WTP -02	48.00	264.00	43.20	237.60	10.00
35	WTP -03	48.00	264.00	43.20	237.60	10.00
36	WTP -04	48.00	264.00	43.20	237.60	10.00
37	Irrigation Water Transfer Pump	28.80	158.40	25.92	142.56	10.00
		6254.46		5114.65		
				5114.65		24.35%
	Total Savings / Year	526066.84		299500.83	28130.58	
	Total Savings / Day			820.55	77.07	

SR.NO.	SOLAR PV SYSTEM	UNIT	
1	Total Building Demand load	kw	6,006.00
2	Total load in kW on SOLAR PV SYSTEM (1% of total Demand load)	kw	60.06

HALF YEARLY POST ENVIRONMENTAL MONITORING REPORT

OF

Residential cum Commercial Project

For

April, 2023 – September, 2023

Developer

M/s. Adrika Developers Pvt Ltd.

At plot CS. No. 5/4, 5/7, 5/8, 5/11, 5/12, 5/15, 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 7/15, 7/16, 7/18, 7/19, 7/20, 7/20A, 7/20B, 7/22, 7/23A, 7/24, 7/25, 7/26, 7/27, 7/28, 7/29A, 7/29B, 8/1A, 8/2B, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/8, 9/9, 9/10, 9/11, 10/1, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/8A, 11/8B, 11/8C, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 11/17, 11/18, 11/19A, 11/19B, 11/20, 11/21, 11/22, 11/23, 11/25, 12/1, 12/2, 12/3, 12/4, 12/5, 12/5A, 12/6, 12/8, 12/9, 12/10, 12/11, 12/13, 12/14, 12/15, 12/18, 12/19, 13/1, 13/2, 13/5, 13/6, 13/7, 13/8, 65/B at village Kopar and S.No. 245/9, 246/1C, 246/2B, 247/1, 247/2A, 247/2B, 247/2C, 247/4A, 247/4B, 247/5, 247/7/A/1, 247/7/B, 247/8, 247/9A, 247/10, 247/12, 247/13A, 247/13B/1, 247/14, 247/15, 247/17, 247/18, 247/19, 247/20 at village Kalher, Tal Bhiwandi, Dist- Thane in SPA area of Mumbai Metropolitan Region Development Authority.

Prepared by

ENVIRO ANALYSTS & ENGINEERS P. LTD.,

Ambient Air Quality Monitoring Report

Report No - EAEPL/A/05/23/00619A		Report Date – 20.05.2023	
Name of Customer	M/s. Adrika Developers Pvt. Ltd		Reference – EAEPL/Q/EIA/412/2019 Dtd. 17.10.2019
Site Address	Land bearing S. No. 5/4, 5/7, 5/8, 5/11, 5/12, 5/15, 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 7/15, 7/16, 7/18, 7/19, 7/20, 7/20A, 7/20B, 7/22, 7/23A, 7/24, 7/25, 7/26, 7/27, 7/28, 7/29A, 7/29B, 8/1A, 8/2B, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/8, 9/9, 9/10, 9/11, 10/1, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/8A, 11/8B, 11/8C, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 11/17, 11/18, 11/19A, 11/19B, 11/20, 11/21, 11/22, 11/23, 11/25, 12/1, 12/2, 12/3, 12/4, 15/5, 12/5A, 12/6, 12/8, 12/9, 12/10, 12/11, 12/13, 12/14, 12/15, 12/18, 12/19, 13/1, 13/2, 13/5, 13/6, 13/7, 13/8, 65/B at village Kopar & S. No. 245/9, 246/1C, 246/2B, 247/1, 247/2A, 247/2B, 247/2C, 247/4A, 247/4B, 247/5, 247/7A/1, 247/7B, 247/8, 247/9A, 247/10, 247/12, 247/13A, 247/13B/1, 247/14, 247/15, 247/17, 247/18, 247/19, 247/20 at village Kalher, Tal Bhiwandi, Dist- Thane.		
Nature and Description of Sample	Ambient Air	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/A/05/23/00619A (Near Main Gate of Sales Office)	Sample quantity and packing	PM ₁₀ = 1 * 1 No. Filter paper. PM _{2.5} = 1 * 1 No. Filter paper. SO ₂ = 30ml * 2 No. PVC bottle. NO ₂ = 30ml * 2 No. PVC bottle.
		Preservation	Filter papers – Transported and stored in desiccators. PVC bottles - Transported and stored at 5°C (±1 °C).
Date of Sampling	12.05.2023	Date of Receipt	13.05.2023
Sampling Procedure	EAEPL/LAB/SOP/01		
Period of Analysis	13.05.2023 to 15.05.2023		
Report for the month	May, 2023		

Discipline: Chemical

Group: Atmospheric Pollution

Environmental Conditions			
Ambient Air Temperature (°C)	Relative Humidity (%)	Duration of Monitoring	
34°C	59%	8 hours	
RESULTS			
Tests Parameter	Results	NAAQS LIMITS	METHOD
Particulate Matter (PM ₁₀)	86.57	100 µg/m ³	IS 5182 (Part 23) 2006 Reaffirmed 2017
Particulate Matter (PM _{2.5})	42.49	60 µg/m ³	IS 5182 (Part 24) 2019
Sulphur Dioxide (SO ₂)	20.14	80 µg/m ³	IS 5182 (Part-2) 2001 Reaffirmed 2017
Nitrogen Dioxide (NO ₂)	23.63	80 µg/m ³	IS 5182 (Part -6) 2006 Reaffirmed 2017

Remark: All the measured values are within NAAQS limits.

End-----

For M/s. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,

Authorized Signatory
(Netra Pawar)

Note: 1. The result mentioned above refers only to the tested sample(s) and applicable parameter(s).
2. This report is not to be reproduced except in full, without written approval of the laboratory.

Water Sample Analysis Report

Report No - EAEPL/W/05/23/00619B		Report Date – 20.05.2023		
Name of Customer		M/s. Adrika Developers Pvt. Ltd		
Site Address	Land bearing S. No. 5/4, 5/7, 5/8, 5/11, 5/12, 5/15, 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 7/15, 7/16, 7/18, 7/19, 7/20, 7/20A, 7/20B, 7/22, 7/23A, 7/24, 7/25, 7/26, 7/27, 7/28, 7/29A, 7/29B, 8/1A, 8/2B, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/8, 9/9, 9/10, 9/11, 10/1, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/8A, 11/8B, 11/8C, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 11/17, 11/18, 11/19A, 11/19B, 11/20, 11/21, 11/22, 11/23, 11/25, 12/1, 12/2, 12/3, 12/4, 15/5, 12/5A, 12/6, 12/8, 12/9, 12/10, 12/11, 12/13, 12/14, 12/15, 12/18, 12/19, 13/1, 13/2, 13/5, 13/6, 13/7, 13/8, 65/B at village Kopar & S. No. 245/9, 246/1C, 246/2B, 247/1, 247/2A, 247/2B, 247/2C, 247/4A, 247/4B, 247/5, 247/7A/1, 247/7/B, 247/8, 247/9A, 247/10, 247/12, 247/13A, 247/13B/1, 247/14, 247/15, 247/17, 247/18, 247/19, 247/20 at village Kalher, Tal Bhiwandi, Dist- Thane.		Reference – EAEPL/Q/EIA/412/2019 Dtd. 17.10.2019	
Nature and Description of Sample	Tanker Water	Sample Collected by	EAEPL Laboratory	
Sampling locations and Sample Code	EAEPL/W/05/23/00619B (Near Main Gate of Cons. Site)	Sample quantity and packing	2 L X 1 No. PVC Can.	
		Preservation	Cool -Transported and stored at 5°C (± 1°C).	
Date of Sampling	12.05.2023	Date of Receipt	13.05.2023	
Sampling Procedure	EAEPL/LAB/SOP/02			
Period of Analysis	13.05.2023 to 20.05.2023			
Report for the month	May, 2023			

Discipline: Chemical

Group: Water

Parameters	Unit	Results	Method
pH	-	7.93	IS 3025 (Part 11) 2022
Total Dissolved Solid	mg / l	174.00	IS 3025 (Part 16) (1984) Reaffirmed 2017
Turbidity	NTU	< 1.00	IS 3025 (Part 10) (1984) Reaffirmed 2017
Alkalinity	mg / l	64.15	IS 3025 (Part 23) (1986) Reaffirmed 2019
Chlorides as Cl	mg / l	22.49	IS 3025 (Part 32) (1988) Reaffirmed 2019
Total Hardness	mg / l	88.48	IS 3025 (Part 21) (2009) Reaffirmed 2019
Calcium	mg / l	16.83	IS 3025 (Part 40) (1991) Reaffirmed 2019
Residual chlorine	mg / l	ND	IS 3025 (Part 26) 2021
Sulphate	mg / l	20.60	IS 3025 (Part 24) Sec1:2022
Nitrate	mg / l	ND	APHA 4500 NO ₃ -B(23 rd edition)
Fluoride	mg / l	ND	APHA 4500 F-D(23 rd edition)
Heavy Metals:			
Iron (Fe)	mg / l	ND	IS 3025 (Part 2) 2019
Copper (Cu)	mg / l	ND	IS 3025 (Part 2) 2019
Zinc (Zn)	mg / l	ND	IS 3025 (Part 2) 2019
Lead (Pb)	mg / l	ND	IS 3025 (Part 2) 2019
Chromium (Cr)	mg / l	ND	IS 3025 (Part 2) 2019

End

For M/s. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,

 Authorized Signatory
(Shilpa Dhamankar)

Note: 1. The result mentioned above refers only to the tested sample(s) and applicable parameter(s).

2. This report is not to be reproduced except in full, without written approval of the laboratory.

Water Sample Analysis Report

Report No - EAEPL/W/05/23/00619B		Report Date – 20.05.2023	
Name of Customer	M/s. Adrika Developers Pvt. Ltd		Reference – EAEPL/Q/EIA/412/2019 Dtd. 17.10.2019
Site Address	Land bearing S. No. 5/4, 5/7, 5/8, 5/11, 5/12, 5/15, 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 7/15, 7/16, 7/18, 7/19, 7/20, 7/20A, 7/20B, 7/22, 7/23A, 7/24, 7/25, 7/26, 7/27, 7/28, 7/29A, 7/29B, 8/1A, 8/2B, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/8, 9/9, 9/10, 9/11, 10/1, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/8A, 11/8B, 11/8C, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 11/17, 11/18, 11/19A, 11/19B, 11/20, 11/21, 11/22, 11/23, 11/25, 12/1, 12/2, 12/3, 12/4, 15/5, 12/5A, 12/6, 12/8, 12/9, 12/10, 12/11, 12/13, 12/14, 12/15, 12/18, 12/19, 13/1, 13/2, 13/5, 13/6, 13/7, 13/8, 65/B at village Kopar & S. No. 245/9, 246/1C, 246/2B, 247/1, 247/2A, 247/2B, 247/2C, 247/4A, 247/4B, 247/5, 247/7/A/1, 247/7/B, 247/8, 247/9A, 247/10, 247/12, 247/13A, 247/13B/1, 247/14, 247/15, 247/17, 247/18, 247/19, 247/20 at village Kalher, Tal Bhiwandi, Dist- Thane.		
Nature and Description of Sample	Tanker Water	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/W/05/23/00619B (Near Main Gate of Cons. Site)	Sample quantity and packing	500ml X 1 No. St. PP Bottle
		Preservation	Cool -Transported and stored at 5°C (± 1°C).
Date of Sampling	12.05.2023	Date of Receipt	13.05.2023
Sampling Procedure	EAEPL/LAB/MB/SOP/17		
Period of Analysis	13.05.2023 to 15.05.2023		
Report for the month	May, 2023		

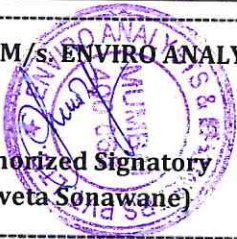
Discipline: Biological

Group: Water

Parameters	Unit	Results	Method
Microbiological Analysis:			
Coliforms	MPN/100ml	< 2	IS 1622:1981 Reaffirmed 2019
<i>E. coli</i>	MPN/100ml	< 2	IS 1622:1981 Reaffirmed 2019

-----End-----

For M/s. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,

 Authorized Signatory
(Shweta Sonawane)


- Note: 1. The result mentioned above refers only to the tested sample(s) and applicable parameter(s).
2. This report is not to be reproduced except in full, without written approval of the laboratory.

Soil Sample Analysis Report

Report No - EAEPL/S/05/23/00619C		Report Date - 20.05.2023		
Name of Customer		M/s. Adrika Developers Pvt. Ltd		
Site Address	Land bearing S. No. 5/4, 5/7, 5/8, 5/11, 5/12, 5/15, 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 7/15, 7/16, 7/18, 7/19, 7/20, 7/20A, 7/20B, 7/22, 7/23A, 7/24, 7/25, 7/26, 7/27, 7/28, 7/29A, 7/29B, 8/1A, 8/2B, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/8, 9/9, 9/10, 9/11, 10/1, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/8A, 11/8B, 11/8C, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 11/17, 11/18, 11/19A, 11/19B, 11/20, 11/21, 11/22, 11/23, 11/25, 12/1, 12/2, 12/3, 12/4, 15/5, 12/5A, 12/6, 12/8, 12/9, 12/10, 12/11, 12/13, 12/14, 12/15, 12/18, 12/19, 13/1, 13/2, 13/5, 13/6, 13/7, 13/8, 65/B at village Kopar & S. No. 245/9, 246/1C, 246/2B, 247/1, 247/2A, 247/2B, 247/2C, 247/4A, 247/4B, 247/5, 247/7A/1, 247/7B, 247/8, 247/9A, 247/10, 247/12, 247/13A, 247/13B/1, 247/14, 247/15, 247/17, 247/18, 247/19, 247/20 at village Kalher, Tal Bhiwandi, Dist- Thane.		Reference – EAEPL/Q/EIA/412/2019 Dtd. 17.10.2019	
Nature and Description of Sample	Soil	Sample Collected by	EAEPL Laboratory	
Sampling locations and Sample Code	EAEPL/S/05/23/00619C (Near Centreside of Site)	Sample quantity and packing	1000 g × 1 No. Ziplock Bag	
		Preservation	Transported & stored in dry area	
Date of Sampling	12.05.2023	Date of Receipt	13.05.2023	
Sampling Procedure	EAEPL/LAB/SOP/03			
Period of Analysis	13.05.2023 to 19.05.2023			
Report for the month	May, 2023			

Discipline: Chemical
Group: Soil & Rock

Parameters	Unit	Results	Methods
pH	-	7.28	IS 2720 (Part 26):1987, Reaffirmed:2021
Electrical Conductivity	μS/cm	428.60	IS 14767:2000, Reaffirmed:2021
Soil Moisture	%	25.14	IS 2720 (Part 02):1973 (Reaffirmed 2020) Oven dry method
Water Holding Capacity	%	32.59	EAEPL/LAB/SOP/SOIL/10
Total Kjeldhal Nitrogen	mg/kg	745.72	IS 14684:1999 Reaffirmed 2019
Organic Matter	%	2.14	IS 2720 (Part 22) – 1972 Reaffirmed 2020
Chlorides	mg/kg	120.26	EAEPL/LAB/SOP/SOIL/03
Calcium	mg/kg	2262.46	EPA 9080
Magnesium	mg/kg	122.72	EPA 9080
Sulphate	mg/kg	29.61	IS 2720 (Part 27):1977 Reaffirmed 2020
Available Phosphorus	mg/kg	1.25	EAEPL/LAB/SOP/SOIL/11
Sodium (Na)	mg/kg	1621.57	EPA 3050B
Potassium (K)	mg/kg	1851.68	EPA 3050B
Heavy Metals:			
Copper	mg/kg	121.04	EPA 3050B
Iron	mg/kg	77325.59	EPA 3050B
Lead	mg/kg	11.74	EPA 3050B
Zinc	mg/kg	114.26	EPA 3050B

-----End-----

For M/S. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,



Authorized Signatory
(Netra Pawar)

 Note: 1. The result mentioned above refers only to the tested sample(s) and applicable parameter(s).
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Ambient Noise Level Monitoring Report

Report No - EAEPL/N/05/23/00619D		Report Date – 20.05.2023	
Name of Customer		M/s. Adrika Developers Pvt. Ltd	
Site Address		Land bearing S. No. 5/4, 5/7, 5/8, 5/11, 5/12, 5/15, 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 7/15, 7/16, 7/18, 7/19, 7/20, 7/20A, 7/20B, 7/22, 7/23A, 7/24, 7/25, 7/26, 7/27, 7/28, 7/29A, 7/29B, 8/1A, 8/2B, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/8, 9/9, 9/10, 9/11, 10/1, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/8A, 11/8B, 11/8C, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 11/17, 11/18, 11/19A, 11/19B, 11/20, 11/21, 11/22, 11/23, 11/25, 12/1, 12/2, 12/3, 12/4, 15/5, 12/5A, 12/6, 12/8, 12/9, 12/10, 12/11, 12/13, 12/14, 12/15, 12/18, 12/19, 13/1, 13/2, 13/5, 13/6, 13/7, 13/8, 65/B at village Kopar & S. No. 245/9, 246/1C, 246/2B, 247/1, 247/2A, 247/2B, 247/2C, 247/4A, 247/4B, 247/5, 247/7A/1, 247/7/B, 247/8, 247/9A, 247/10, 247/12, 247/13A, 247/13B/1, 247/14, 247/15, 247/17, 247/18, 247/19, 247/20 at village Kalher, Tal Bhiwandi, Dist- Thane.	
Nature and Description of Sample		Ambient Noise	Sample Collected by
Sampling locations and Sample Code		EAEPL/N/05/23/00619D	EAEPL Laboratory
Date of Sampling		12.05.2023	Sample quantity and packing
Sampling Procedure		EAEPL/LAB/SOP/04	Not Applicable
Period of Analysis		Not Applicable	Date of Receipt
Report for the month		May, 2023	Not Applicable
Reference –		EAEPL/Q/EIA/412/2019 Dtd. 17.10.2019	

Discipline: Chemical

Group: Atmospheric Pollution

Monitoring Locations	Units	Results		CPCB Norms	
		Day Time	Night Time	Day	Night
Near Main Gate of Site	dB(A) Leq.	54.2	44.1	55	45
Centreside of Site	dB(A) Leq.	54.1	41.6	55	45
Near Site office	dB(A) Leq.	52.0	41.7	55	45
Near Backside of Site	dB(A) Leq.	53.2	43.3	55	45

Remark: The noise level was observed to be higher than CPCB limits at all of the locations.

-----End-----

For M/s. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,


 Authorized Signatory
 (Netra Pawar)

- Note: 1. The result mentioned above refers only to the tested sample(s) and applicable parameter(s).
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Mira Road (Lab): Row House No.2, Shalom Garden, Opp. Kanakia College, Mira Road (E), Thane-401107

Ambient Air Quality Monitoring Report

Report No. - EAEPL/W/09/23/01375		Report Date - 13.09.2023	
ULR Number: TC1118923000001097F			
Name of Customer	M/s. Adrika Developers Pvt. Ltd		
Site Address	Land bearing S. No. 5/4, 5/7, 5/8, 5/11, 5/12, 5/15, 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 7/15, 7/16, 7/18, 7/19, 7/20, 7/20A, 7/20B, 7/22, 7/23A, 7/24, 7/25, 7/26, 7/27, 7/28, 7/29A, 7/29B, 8/1A, 8/2B, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/8, 9/9, 9/10, 9/11, 10/1, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/8A, 11/8B, 11/8C, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 11/17, 11/18, 11/19A, 11/19B, 11/20, 11/21, 11/22, 11/23, 11/25, 12/1, 12/2, 12/3, 12/4, 15/5, 12/5A, 12/6, 12/8, 12/9, 12/10, 12/11, 12/13, 12/14, 12/15, 12/18, 12/19, 13/1, 13/2, 13/5, 13/6, 13/7, 13/8, 65/B at village Kopar & S. No. 245/9, 246/1C, 246/2B, 247/1, 247/2A, 247/2B, 247/2C, 247/4A, 247/4B, 247/5, 247/7/A/1, 247/7/B, 247/8, 247/9A, 247/10, 247/12, 247/13A, 247/13B/1, 247/14, 247/15, 247/17, 247/18, 247/19, 247/20 at village Kalher, Tal Bhiwandi, Dist- Thane.		
Nature and Description of Sample	Ambient Air	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/W/09/23/01375 (Near Main Gate of Sales Office)	Sample quantity and packing	PM ₁₀ = 1 * 1 No. Filter paper. PM _{2.5} = 1 * 1 No. Filter paper. SO ₂ = 30ml * 2 No. PVC bottle. NO ₂ = 30ml * 2 No. PVC bottle
		Sample Preservation	Filter papers – Transported and stored in desiccator. PVC bottles - Transported and stored at 5°C (±1 °C).
Date of Sampling	04.09.2023	Date of Receipt	05.09.2023
Sampling Procedure	EAEPL/LAB/SOP/01		
Period of Analysis	05.09.2023 to 06.09.2023		
Report for the month	September, 2023		

Discipline: Chemical

Group: Atmospheric Pollution

Environmental Conditions			
Ambient Air Temperature (°C)	Relative Humidity (%)	Duration of Monitoring	
29°C	55%	8 Hours	
RESULTS			
Tests Parameter	Results	NAAQS LIMITS	METHOD
Particulate Matter (PM ₁₀)	82.77	100 µg/m ³	IS 5182 (Part 23) 2006 Reaffirmed 2022
Particulate Matter (PM _{2.5})	43.74	60 µg/m ³	IS 5182 (part 24) 2019
Sulphur Dioxide (SO ₂)	23.77	80 µg/m ³	IS 5182 (Part 2) Sec 1: 2023
Nitrogen Dioxide (NO ₂)	25.37	80 µg/m ³	IS 5182 (Part 6) 2006 Reaffirmed 2022

Remark: All the measured values are within NAAQS limits.

End

For M/S. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,



 Authorized Signatory
 (Netra Pawar)

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Mumbai (HO): B-1003, Enviro House, 10th Flr, Western Edge II, W.E. Highway, Borivali East, Mumbai - 400066

Tel: 022-28541647/48/49/67/68 | E-mail: info@eaepl.com | lab@eaepl.com | Web: www.eaepl.com

Mumbai (HO) | Nagpur | Pune | Mira Road (Lab) | Tarapur | Nashik | Thane

Mira Road (Lab): Row House No.2, Shalom Garden, Opp. Kanakia College, Mira Road (E), Thane-401107

Water Sample Analysis Report

Report No. - EAEPL/W/09/23/01376		Report Date – 13.09.2023	
ULR Number: TC1118923000001098F			
Name of Customer	M/s. Adrika Developers Pvt. Ltd		
Site Address	Land bearing S. No. 5/4, 5/7, 5/8, 5/11, 5/12, 5/15, 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 7/15, 7/16, 7/18, 7/19, 7/20, 7/20A, 7/20B, 7/22, 7/23A, 7/24, 7/25, 7/26, 7/27, 7/28, 7/29A, 7/29B, 8/1A, 8/2B, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/8, 9/9, 9/10, 9/11, 10/1, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/8A, 11/8B, 11/8C, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 11/17, 11/18, 11/19A, 11/19B, 11/20, 11/21, 11/22, 11/23, 11/25, 12/1, 12/2, 12/3, 12/4, 15/5, 12/5A, 12/6, 12/8, 12/9, 12/10, 12/11, 12/13, 12/14, 12/15, 12/18, 12/19, 13/1, 13/2, 13/5, 13/6, 13/7, 13/8, 65/B at village Kopar & S. No. 245/9, 246/1C, 246/2B, 247/1, 247/2A, 247/2B, 247/2C, 247/4A, 247/4B, 247/5, 247/7A/1, 247/7/B, 247/8, 247/9A, 247/10, 247/12, 247/13A, 247/13B/1, 247/14, 247/15, 247/17, 247/18, 247/19, 247/20 at village Kalher, Tal Bhiwandi, Dist- Thane.		
Nature and Description of Sample	Tanker Water	Sample Collected by	EAEPL Laboratory
Sampling Locations and Sample Code	EAEPL/W/09/23/01376 (Near Main Gate of Site)	Sample Quantity and Packing	2 L X 1 No. PVC Can.
		Sample Preservation	Cool -Transported and stored at 5°C (± 1°C).
Date of Sampling	04.09.2023	Date of Receipt	05.09.2023
Sampling Procedure	EAEPL/LAB/SOP/02		
Period of Analysis	05.09.2023 to 13.09.2023		
Report for the month	September, 2023		

Discipline: Chemical

Group: Water

Parameters	Unit	Result	Method
pH	-	7.52	IS 3025 (Part 11) 2022
Total Dissolved Solids	mg / l	70.00	IS 3025 (Part 16) (1984) Reaffirmed 2017
Turbidity	NTU	< 1.00	IS 3025 (Part 10) (1984) Reaffirmed 2017
Chlorides as Cl	mg / l	11.33	IS 3025 (Part 32) (1988) Reaffirmed 2019
Total Hardness	mg / l	47.62	IS 3025 (Part 21) (2009) Reaffirmed 2019
Calcium	mg / l	12.02	IS 3025 (Part 40) (1991) Reaffirmed 2019
Residual chlorine	mg / l	ND	IS 3025 (Part 26) 2021
Alkalinity	mg / l	54.18	IS 3025 (Part 23) (1986) Reaffirmed 2019
Sulphate	mg / l	5.19	IS 3025 (Part 24) Sec1:2022
Nitrate	mg / l	ND	APHA 4500 NO ₃ -B (23 rd Edition)
Fluoride	mg / l	ND	APHA 4500 F-D (23 rd Edition)
Heavy Metals			
Iron (Fe)	mg / l	ND	IS 3025 (Part 2) 2019
Copper (Cu)	mg / l	ND	IS 3025 (Part 2) 2019
Zinc (Zn)	mg / l	ND	IS 3025 (Part 2) 2019
Lead (Pb)	mg / l	ND	IS 3025 (Part 2) 2019
Chromium (Cr)	mg / l	ND	IS 3025 (Part 2) 2019

Note: ND – Not Detected

-----End-----

For M/S. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,


 Authorized Signatory
 (Shilpa Dhamankar)

 Note: 1. The result mentioned above refers only to the tested sample(s) and applicable parameter(s).
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Mumbai (HO): B-1003, Enviro House, 10th Flr, Western Edge II, W.E. Highway, Borivali East, Mumbai - 400066

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Mumbai (HO) | Nagpur | Pune | Mira Road (Lab) | Tarapur | Nashik | Thane

Water Sample Analysis Report

Report No. - EAEPL/W/09/23/01376		Report Date - 13.09.2023	
ULR Number: TC1118923000001098F			
Name of Customer	M/s. Adrika Developers Pvt. Ltd		
Site Address	Land bearing S. No. 5/4, 5/7, 5/8, 5/11, 5/12, 5/15, 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 7/15, 7/16, 7/18, 7/19, 7/20, 7/20A, 7/20B, 7/22, 7/23A, 7/24, 7/25, 7/26, 7/27, 7/28, 7/29A, 7/29B, 8/1A, 8/2B, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/8, 9/9, 9/10, 9/11, 10/1, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/8A, 11/8B, 11/8C, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 11/17, 11/18, 11/19A, 11/19B, 11/20, 11/21, 11/22, 11/23, 11/25, 12/1, 12/2, 12/3, 12/4, 15/5, 12/5A, 12/6, 12/8, 12/9, 12/10, 12/11, 12/13, 12/14, 12/15, 12/18, 12/19, 13/1, 13/2, 13/5, 13/6, 13/7, 13/8, 65/B at village Kopar & S. No. 245/9, 246/1C, 246/2B, 247/1, 247/2A, 247/2B, 247/2C, 247/4A, 247/4B, 247/5, 247/7/A/1, 247/7/B, 247/8, 247/9A, 247/10, 247/12, 247/13A, 247/13B/1, 247/14, 247/15, 247/17, 247/18, 247/19, 247/20 at village Kalher, Tal Bhiwandi, Dist- Thane.		
Nature and Description of Sample	Tanker Water	Sample Collected by	EAEPL Laboratory
Sampling Locations and Sample Code	EAEPL/W/09/23/01376 (Near Main Gate of Site)	Sample Quantity and Packing	250ml X 1 No. St. PP. bottle
		Sample Preservation	Cool -Transported and stored at 5°C (± 1°C).
Date of Sampling	04.09.2023	Date of Receipt	05.09.2023
Sampling Procedure	EAEPL/LAB/MB/SOP/017		
Period of Analysis	06.09.2023 to 08.09.2023		
Report for the month	September, 2023		

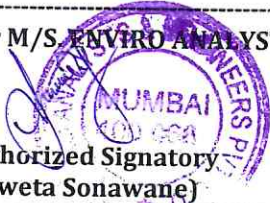
Discipline: Biological

Group: Water

Parameters	Unit	Result	Method
Microbiological Analysis			
Coliforms	MPN/100ml	< 2	IS 1622:1981 Reaffirmed (2019)
<i>E. coli</i>	MPN/100ml	< 2	IS 1622:1981 Reaffirmed (2019)

-----End-----

For M/S. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,



Authorized Signatory
(Shweta Sonawane)

Note: 1. The result mentioned above refers only to the tested sample(s) and applicable parameter(s).
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Soil Sample Analysis Report

Report No. - EAEPL/S/09/23/01377		Report Date - 13.09.2023	
ULR Number: TC1118923000001099F			
Name of Customer	M/s. Adrika Developers Pvt. Ltd		
Site Address	Land bearing S. No. 5/4, 5/7, 5/8, 5/11, 5/12, 5/15, 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 7/15, 7/16, 7/18, 7/19, 7/20, 7/20A, 7/20B, 7/22, 7/23A, 7/24, 7/25, 7/26, 7/27, 7/28, 7/29A, 7/29B, 8/1A, 8/2B, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/8, 9/9, 9/10, 9/11, 10/1, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/8A, 11/8B, 11/8C, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 11/17, 11/18, 11/19A, 11/19B, 11/20, 11/21, 11/22, 11/23, 11/25, 12/1, 12/2, 12/3, 12/4, 15/5, 12/5A, 12/6, 12/8, 12/9, 12/10, 12/11, 12/13, 12/14, 12/15, 12/18, 12/19, 13/1, 13/2, 13/5, 13/6, 13/7, 13/8, 65/B at village Kopar & S. No. 245/9, 246/1C, 246/2B, 247/1, 247/2A, 247/2B, 247/2C, 247/4A, 247/4B, 247/5, 247/7A/1, 247/7/B, 247/8, 247/9A, 247/10, 247/12, 247/13A, 247/13B/1, 247/14, 247/15, 247/17, 247/18, 247/19, 247/20 at village Kalher, Tal Bhiwandi, Dist- Thane.		
Nature and Description of Sample	Soil	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/S/09/23/01377 (Centreside of Site)	Sample quantity and packing	1000 gm X 1 zip lock bag
		Preservation	Transported & stored in dry area
Date of Sampling	04.09.2023	Date of Receipt	05.09.2023
Sampling Procedure	EAEPL/LAB/SOP/03.		
Period of Analysis	05.09.2023 to 12.09.2023		
Report for the month	September, 2023		

Discipline: Chemical
Group: Soil & Rock

Parameters	Unit	Results	Methods
pH	-	7.16	IS 2720 (Part 26):1987, Reaffirmed:2021
Electrical Conductivity	µS/cm	832.00	IS 14767:2000, Reaffirmed:2021
Organic Matter	%	2.10	IS 2720 (Part 22) – 1972 (Reaffirmed 2020)
Total Kjeldhal Nitrogen	mg/kg	761.13	IS 14684:1999 (Reaffirmed 2019)
Soil Moisture	%	21.22	IS 2720 (Part 02):1973 (Reaffirmed 2020) Oven drying method
Water Holding Capacity	%	21.29	EAEPL/LAB/SOP/SOIL/10
Available Phosphorus	mg/kg	1.92	EAEPL/LAB/SOP/SOIL/11
Calcium	mg/kg	2374.08	EPA 9080
Magnesium	mg/kg	236.01	EPA 9080
Chlorides	mg/kg	149.02	EAEPL/LAB/SOP/SOIL/03
Sulphate	mg/kg	30.34	IS 2720 (27) 1977 Reaffirmed 2020
Potassium (K)	mg/kg	790.56	EPA 3050B
Sodium (Na)	mg/kg	210.81	EPA 3050B
Heavy Metals:			
Copper	mg/kg	81.16	EPA 3050B
Iron	mg/kg	56682.83	EPA 3050B
Lead	mg/kg	6.82	EPA 3050B
Zinc	mg/kg	48.49	EPA 3050B

-----End-----

For M/S. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,
**Authorized Signatory
(Netra Pawar)**

Note: 1. The result mentioned above refers only to the tested sample(s) and applicable parameter(s).
 2. This report is not to be reproduced except in full, without written approval of the laboratory.

Mumbai (HO): B-1003, Enviro House, 10th Flr, Western Edge II, W.E. Highway, Borivali East, Mumbai - 400066

Tel: 022-28541647/48/49/67/68 | E-mail: info@eaepl.com | lab@eaepl.com | Web: www.eaepl.com

Mumbai (HO) | Nagpur | Pune | Mira Road (Lab) | Tarapur | Nashik | Thane

Ambient Noise Level Monitoring Report

Report No. - EAEPL/A/09/23/01378		Report Date - 13.09.2023	
ULR Number: TC1118923000001100F			
Name of Customer	M/s. Adrika Developers Pvt. Ltd		
Site Address	Land bearing S. No. 5/4, 5/7, 5/8, 5/11, 5/12, 5/15, 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 7/15, 7/16, 7/18, 7/19, 7/20, 7/20A, 7/20B, 7/22, 7/23A, 7/24, 7/25, 7/26, 7/27, 7/28, 7/29A, 7/29B, 8/1A, 8/2B, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/8, 9/9, 9/10, 9/11, 10/1, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/8A, 11/8B, 11/8C, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 11/17, 11/18, 11/19A, 11/19B, 11/20, 11/21, 11/22, 11/23, 11/25, 12/1, 12/2, 12/3, 12/4, 15/5, 12/5A, 12/6, 12/8, 12/9, 12/10, 12/11, 12/13, 12/14, 12/15, 12/18, 12/19, 13/1, 13/2, 13/5, 13/6, 13/7, 13/8, 65/B at village Kopar & S. No. 245/9, 246/1C, 246/2B, 247/1, 247/2A, 247/2B, 247/2C, 247/4A, 247/4B, 247/5, 247/7/A/1, 247/7/B, 247/8, 247/9A, 247/10, 247/12, 247/13A, 247/13B/1, 247/14, 247/15, 247/17, 247/18, 247/19, 247/20 at village Kalher, Tal Bhiwandi, Dist- Thane.		
Nature and Description of Sample	Ambient Noise	Sample Collected by	EAEPL Laboratory
Sampling locations and Sample Code	EAEPL/A/09/23/01378	Sample quantity and packing	Not Applicable
Date of Sampling	04.09.2023	Date of Receipt	Not Applicable
Sampling Procedure	EAEPL/LAB/SOP/04		
Period of Analysis	Not Applicable		
Report for the month	September, 2023		

Discipline: Chemical

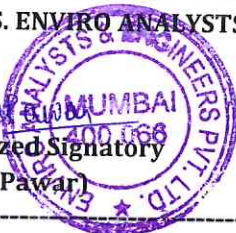
Group: Atmospheric Pollution

Monitoring Locations	Units	Results		CPCB Norms	
		Day Time	Night Time	Day	Night
Near Main Gate of Site	dB(A) Leq.	54.7	44.4	55	45
Centreside of Site	dB(A) Leq.	53.8	42.7	55	45
Near Site office	dB(A) Leq.	54.3	43.5	55	45
Near Backside of Site	dB(A) Leq.	53.7	41.3	55	45

Remark: The noise level was observed to be within CPCB limit at all of the locations.

End

For M/S. ENVIRO ANALYSTS & ENGINEERS PVT. LTD.,

 Authorized Signatory
 (Netra Pawar)


Note: 1. The result mentioned above refers only to the tested sample(s) and applicable parameter(s).

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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date: February 13, 2020

To,
Mr Deepak Garodia by M/s. Adrika Developers Pvt Ltd
at Land bearing S. No. 5/4, 5/7, 5/8, 5/11, 5/12, 5/15, 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 7/15, 7/16, 7/18, 7/19, 7/20, 7/20A, 7/20B, 7/22, 7/23A, 7/24, 7/25, 7/26, 7/27, 7/28, 7/29A, 7/29B, 8/1A, 8/2B, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/8, 9/9, 9/10, 9/11, 10/1, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/8A, 11/8B, 11/8C, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 11/17, 11/18, 11/19A, 11/19B, 11/20, 11/21, 11/22, 11/23, 11/25, 12/1, 12/2, 12/3, 12/4, 12/5, 12/5A, 12/6, 12/8, 12/9, 12/10, 12/11, 12/13, 12/14, 12/15, 12/18, 12/19, 13/1, 13/2, 13/5, 13/6, 13/7, 13/8, 65/B at village Kopar and S.No. 245/9, 246/1C, 246/2B, 247/1, 247/2A, 247/2B, 247/2C, 247/4A, 247/4B, 247/5, 247/7A/1, 247/7B, 247/8, 247/9A, 247/10, 247/12, 247/13A, 247/13B/1, 247/14, 247/15, 247/17, 247/18, 247/19, 247/20 at village Kalher, Tal Bhiwandi, Dist- Thane in SPA area of Mumbai Metropolitan Region Development Authority.

Subject: Environment Clearance for Proposed Layout with Residential & Partly Commercial Building permission at village Kopar, Kalher Tal Bhiwandi, Dist- Thane by M/s. Adrika Developers Pvt. Ltd

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-II, Maharashtra in its 1222nd meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 184th meetings.


2. It is noted that the proposal is considered by SEAC-II under screening category 8(a) as per EIA Notification 2006.

Brief Information of the project submitted by you is as below :-

1.Name of Project	Proposed Layout with Residential & Partly Commercial Building permission at village Kopar, Kalher Tal Bhiwandi, Dist- Thane by M/s. Adrika Developers Pvt. Ltd
2.Type of institution	Private
3.Name of Project Proponent	Mr Deepak Garodia by M/s. Adrika Developers Pvt Ltd
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd. B-1003, Enviro House, 10th floor, Western Edge -II Western Express Highway, Borivali (E), Mumbai- 400 066 hkdesai5@gmail.com,; info@eaepl.com
5.Type of project	Residential cum commercial
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Land bearing S. No. 5/4, 5/7, 5/8, 5/11, 5/12, 5/15, 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/8, 7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 7/15, 7/16, 7/18, 7/19, 7/20, 7/20A, 7/20B, 7/22, 7/23A, 7/24, 7/25, 7/26, 7/27, 7/28, 7/29A, 7/29B, 8/1A, 8/2B, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/8, 9/9, 9/10, 9/11, 10/1, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/8A, 11/8B, 11/8C, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 11/17, 11/18, 11/19A, 11/19B, 11/20, 11/21, 11/22, 11/23, 11/25, 12/1, 12/2, 12/3, 12/4, 12/5, 12/5A, 12/6, 12/8, 12/9, 12/10, 12/11, 12/13, 12/14, 12/15, 12/18, 12/19, 13/1, 13/2, 13/5, 13/6, 13/7, 13/8, 65/B at village Kopar and S.No. 245/9, 246/1C, 246/2B, 247/1, 247/2A, 247/2B, 247/2C, 247/4A, 247/4B, 247/5, 247/7A/1, 247/7B, 247/8, 247/9A, 247/10, 247/12, 247/13A, 247/13B/1, 247/14, 247/15, 247/17, 247/18, 247/19, 247/20 at village Kalher, Tal Bhiwandi, Dist- Thane in SPA area of Mumbai Metropolitan Region Development Authority.

SEIAA Meeting No: 184 Meeting Date: December 30, 2019 (
SEIAA-STATEMENT-000003360)
SEIAA-MINUTES-000002872
SEIAA-EC-000002101

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Shri. Anil Diggikar (Member Secretary
SEIAA)

9.Taluka	Bhiwandi
10.Village	Kopar and Kalher
Correspondence Name:	Mr Jay Vora
Room Number:	276
Floor:	First floor
Building Name:	Lawrence & Mayo House
Road/Street Name:	Dr D N Road
Locality:	Fort
City:	Mumbai 400001
11.Whether in Corporation / Municipal / other area	Bhiwandi Surrounding Notified Area under MMRDA as the special planning authority
12.IOD/IOA/Concession/Plan Approval Number	yes
	IOD/IOA/Concession/Plan Approval Number: SROT/BSNA/2501/BP/ KOPAR - KALHER -01/1646/2019
	Approved Built-up Area: 116396.95
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	SROT/BSNA/2501/BP/ KOPAR - KALHER -01/1646/2019
15.Total Plot Area (sq. m.)	81,254.00 sq m
16.Deductions	Deductions for a) Existing road area: 1762.29 sq m b) Proposed DP road: 10554.86 sq m c) Any reservation (garden): 3339.72 sq m d) Primary school: 2824.73 sq m Total Deduction: 18,481.60 sq m
17.Net Plot area	62,772.40 sq m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): 1,16,396.95
	Non FSI area (sq. m.): 31,450.87
	Total BUA area (sq. m.): 147847.82
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 1,16,396.95
	Approved Non FSI area (sq. m.): 31,450.87
	Date of Approval: 27-08-2019
19.Total ground coverage (m2)	19,814.93
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	24.3
21.Estimated cost of the project	3408352393

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22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

23. Total Water Requirement

Dry season:	Source of water	BNMC + Recycled water		
	Fresh water (CMD):	1064		
	Recycled water - Flushing (CMD):	546		
	Recycled water - Gardening (CMD):	113		
	Swimming pool make up (Cum):	NA		
	Total Water Requirement (CMD) :	1723		
	Fire fighting - Underground water tank(CMD):	850		
	Fire fighting - Overhead water tank(CMD):	120		
	Excess treated water	658		
Wet season:	Source of water	BNMC + Recycled water + RWH		
	Fresh water (CMD):	1064		
	Recycled water - Flushing (CMD):	546		
	Recycled water - Gardening (CMD):	NA		
	Swimming pool make up (Cum):	NA		
	Total Water Requirement (CMD) :	1610		
	Fire fighting - Underground water tank(CMD):	850		
	Fire fighting - Overhead water tank(CMD):	120		
	Excess treated water	771		
Details of Swimming pool (If any)	NA			

24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

25.Rain Water Harvesting (RWH)	Level of the Ground water table:	0.4 m to 1.6 m
	Size and no of RWH tank(s) and Quantity:	120 KLD, 20 KLD, 80 KLD, 30 KLD, 130 KLD AND 5 nos.
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	Rs 46 lakhs
	Budgetary allocation (O & M cost) :	Rs 4.6 lakhs
Details of UGT tanks if any :	Domestic: 1114 KLD Flushing: 580 KLD Firefighting: 850 KLD	

26.Storm water drainage	Natural water drainage pattern:	South to North
	Quantity of storm water:	1.41 m ³ /sec
	Size of SWD:	Width: 0.60 m x Depth: 0.74 m

27.Sewage and Waste water	Sewage generation in KLD:	1466
	STP technology:	MBBR
	Capacity of STP (CMD):	6 nos. and Total capacity: 1490; 680 KLD, 120 KLD, 460 KLD, 130 KLD, 70 KLD, 30 KLD
	Location & area of the STP:	below ground
	Budgetary allocation (Capital cost):	Rs 108 lakhs
	Budgetary allocation (O & M cost):	Rs 36 lakhs

28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Empty bags: 59140, 2. Steel: 8.9 MT, aggregates 17.7 Broken tiles 3143 sq m, Paint cans 2217
	Disposal of the construction waste debris:	1. Empty bags to be handed over to local recyclers, 2. Steel to be handed over to local recyclers, 3. Aggregates to be used for layering internal roads, 4. Broken tiles to be used for terraces, 5. Empty paint cans to be sold.
Waste generation in the operation Phase:	Dry waste:	2,565 kg/day
	Wet waste:	3,846 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	74 kg/day
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Will be handed over to recyclers.
	Wet waste:	Biodegradable waste will be processed in OWC and manure so obtained will be used for landscaping
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	WILL BE USED AS MANURE
	Others if any:	NA
Area requirement:	Location(s):	Ground
	Area for the storage of waste & other material:	102 sq m
	Area for machinery:	5 sq m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs 51 lakhs
	O & M cost:	Rs 10.2 lakhs

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29. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			



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30. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

31. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

32. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

33. Source of Fuel: Not applicable

34. Mode of Transportation of fuel to site: Not applicable

35. Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	80 kW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	9,266.86 kW
	During Operation phase (Demand load):	6,006.03 kW
	Transformer:	3 X 1000 KVA + 1 X 315 KVA, 2 X 1000 KVA + 1 X 630 KVA, 1 X 630 KVA, 2 X 1000 KVA
	DG set as Power back-up during operation phase:	1 x 500 KVA + 1 X 320 KVA, 2 X 320 KVA, 250 KVA, 160 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

Energy saving by non-conventional method:

Saving in Electrical Energy/Annum with use of CFL, T5 fittings, LED lights & 20% solar lamps, Timer for external lighting and common area, Solar hot water and part light/fan for each flat.

36. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
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1	Total % Savings	21.02					
37.Details of pollution control Systems							
Source	Existing pollution control system	Proposed to be installed					
Not applicable	Not applicable	Not applicable					
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs 48 lakhs					
	O & M cost:	Rs 8 lakhs					
38.Environmental Management plan Budgetary Allocation							
a) Construction phase (with Break-up):							
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)				
1	Air Environment	Water Sprinkling, Green Belt Development, Covered storage area	0.5				
2	Noise Environment	Noise Barricades and Green Belt Developments	1				
3	Water Environment	Modular STP, Drainage with sedimentation tanks	0.5				
4	Good Health Practices	Site Sanitation & Health Care	1				
5	Environment Monitoring	Air, water, noise soil monitoring during construction phase	2				
b) Operation Phase (with Break-up):							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Rain Water Harvesting	RWH tanks	46	4.6			
2	Waste water management	STP	108	36			
3	Solid waste management	OWC	51	10.2			
4	Landscaping	OWC	25	6			
5	Energy conservation	Solar saving	48	8			
39.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)							
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
40.Any Other Information							



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	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National park 8.5 km
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	29-08-2019

3. The proposal has been considered by SEIAA in its 184th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

I	PP & planning authority to ensure that no part of plot is falls in CRZ as per approved CZMP, 2011 & to obtain CRZ noC, if required.
II	PP to ensure that all 6 proposed STPs should be 40% open to sky for adequate ventilation.
III	PP submitted that, they will be using surplus treated water of phase I in next phase of the project & so on. The planning authority to ensure that no occupation certificate is given to the Project till surplus discharge from STP of the Project is connected to duly developed and commissioned sewage disposal system of the planning authority. Also to ensure that no Commencement certificate is given to the further phase of the project, if they are not able to use surplus treated water. PP to also ensure that BOD of treated water should be less than 5 mg/lit.
IV	PP to explore the possibility to increase the solar energy saving from 3.3 % to 5%.
V	PP to provide adequate (1:5) electric charging points/ stations in parking area.
VI	The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
VII	PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area, as identified by Environment Department.
VIII	PP to ensure Zero Liquid Discharge, hence the Specific Condition no 5 by SEAC will be supersede.
IX	PP to upload revised energy saving calculations.
X	PP to ensure that CER plan gets approved from Municipal Commissioner/District Collector.
XI	PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF& CC vide F.No.22-34/2018-IA.III dt.04.01.2019.
XII	SEIAA decided to grant EC for -FSI: 116396.95 m2, Non-FSI:31450.87 m2 and Total BUA:147847.82 m2 (Plan Approval no-SROT/BSNA/2501/BP/ Kopar, Kalher-01/1646/2019, Date-27.08.2019)

General Conditions:

I	E-waste shall bedisposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
II	The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.

III	This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.
IV	PP has to abide by the conditions stipulated by SEAC& SEIAA.
V	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
VI	If applicable Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.
VII	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
VIII	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
IX	The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
X	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
XI	Arrangement shall be made that waste water and storm water do not get mixed.
XII	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
XIII	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
XIV	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
XV	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
XVI	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.
XVII	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.
XVIII	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
XIX	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.
XX	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
XXI	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.
XXII	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).
XXIII	Ready mixed concrete must be used in building construction.
XXIV	Storm water control and its re-use as per CGWB and BIS standards for various applications.
XXV	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
XXVI	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.

XXVII	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.
XXVIII	Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
XXIX	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.
XXX	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
XXXI	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.
XXXII	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
XXXIII	Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.
XXXIV	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.
XXXV	Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
XXXVI	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.
XXXVII	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
XXXVIII	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
XXXIX	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.
XL	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.
XLI	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.
XLII	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.
XLIII	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.
XLIV	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.
XLV	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
XLVI	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.
XLVII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.

XLVIII	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.
XLIX	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in .
L	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
LI	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
LII	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
LIII	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
LIV	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

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4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D- Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


Shri. Anil Diggikar (Member Secretary SEIAA)

Copy to:

1. SHRI JOHNY JOSEPH, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI M.M.ADTANI, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE. CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
9. MUNICIPAL COMMISSIONER THANE
10. REGIONAL OFFICE MPCB THANE
11. REGIONAL OFFICE MIDC AMBERNATH
12. REGIONAL OFFICE MIDC THANE
13. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
14. COLLECTOR OFFICE THANE

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781
/4037124/4035273
Fax : 24044532/4024068 /4023516
Email : jdwater@mpcb.gov.in
Visit At : <http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor, Sion- Matunga
Scheme Road No. 8, Opp. Cine Planet Cinema, Near
Sion Circle, Sion (E),
Mumbai - 400022

Infrastructure /Red/LSI

Consent order No: Format1.0/BO/JD (WPC)/UAN-0000089822/CE/ CC- Date-8 / 06 /2020

To, 2007000616

M/s. Adrika Developers Pvt Ltd

S. No. 5/4, 5/7, 5/8, 5/11, 5/12, 5/15, 7/1, 7/2, 7/3, 7/4, 7/5, 7/6, 7/8,
7/9, 7/10, 7/11, 7/12, 7/13, 7/14, 7/15, 7/16, 7/18, 7/19, 7/20, 7/20A,
7/20B, 7/22, 7/23A, 7/24, 7/25, 7/26, 7/27, 7/28, 7/29A, 7/29B, 8/1A,
8/2B, 9/1, 9/2, 9/3, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/8, 9/9, 9/10, 9/11, 10/1
, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/8A, 11/8B, 11/8C, 11/9
, 11/10, 11/11, 11/12, 11/13, 11/14, 11/15, 11/16, 11/17, 11/18, 11/19A, 11/19B,
11/20, 11/21, 11/22, 11/23, 11/25, 12/1, 12/2, 12/3, 12/4, 12/5, 12/5A, 12/6, 12/8,
12/9, 12/10, 12/11, 12/13, 12/14, 12/15, 12/18, 12/19, 13/1, 13/2, 13/5, 13/6, 13/7,
13/8, 65/B at village Kopar and S.No. 245/9, 246/1C, 246/2B, 247/1, 247/2A
247/2B, 247/2C, 247/4A, 247/4B, 247/5, 247/7A/1, 247/7B, 247/8, 247/9A, 247/10,
247/12, 247/13A, 247/13B/1, 247/14, 247/15, 247/17, 247/18, 247/19, 247/20,
Village Kalher, Tal Bhiwandi, Dist- Thane

Subject: Consent to Establish for Construction of Residential Building Project ,
under Authority , MMRDA Red Category.

Ref : Minutes of Consent Committee meeting held on dt: 06/05/2020
Your application MPCB-CONSENT- 0000089822 Dated: 26/02/2020

For: Consent to Establish for Construction of Residential building Project , under
MMRDA Authority, Red Category. under Section 25 of the Water (Prevention
& Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention &
Control of Pollution) Act, 1981 and Authorization under Rule 5 of the
Hazardous and Other Wastes (M & TM) Rules, 2016 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 is granted for a period up to Commissioning of unit or 5 years
whichever is earlier.
2. The capital investment of the project is Rs. 340.83 Crs (As per undertaking
submitted by project proponent)

Consent to Establish is valid for Construction of Residential building Project under MMRDA
Authority , named as M/s. Adrika Developers Pvt Ltd at above mentioned Survey No.
at village : Kopar & Village: Kalher Tal: Bhiwandi Dist: Thane For Total plot Area
of 81,254.00 Sq.mtrs and Total Construction BUA of 1,47,847.82 Sq.mtrs, including
utilities and services as per construction commencement certificate issued by local body.

3. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. No.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	NIL	NA	NA
2.	Domestic effluent	1466.00	As per Schedule -I	60% should be reused & recycled and remaining should be discharged in municipal sewer.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A) As per your application, you have proposed to install of Sewage Treatment Plants (STP) with the design capacity of 1490.00 CMD
- B) The Applicant shall operate the effluent treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

1.	pH	Between	6.5 to 9.0
2.	Total Suspended Solids	Not more than	20 mg/l.
3.	BOD 3 Days 27 degree C	Not more than	10 mg/l.
4.	Chemical oxygen Demand (COD)	Not to more than	50 mg/l.
5.	NH ₄ N	Not more than	5 mg/l.
6.	N Total	Not more than	10 mg/l.
7.	Fecal Coliform MPN/100 MI	Less than	100.0

C) The treated domestic effluent shall be 60% recycled for secondary purpose such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening & connected to the sewerage system provided by local body.

D) Project proponent shall operate STP for five years from the date of obtaining occupation certificate.

The Board reserves its rights to review plans, Specifications or other data relating to plant setup for the treatment of waterworks 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 should obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto

- 2) The industry should 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.
- 3) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Domestic purpose	1610.00

- 4) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time.





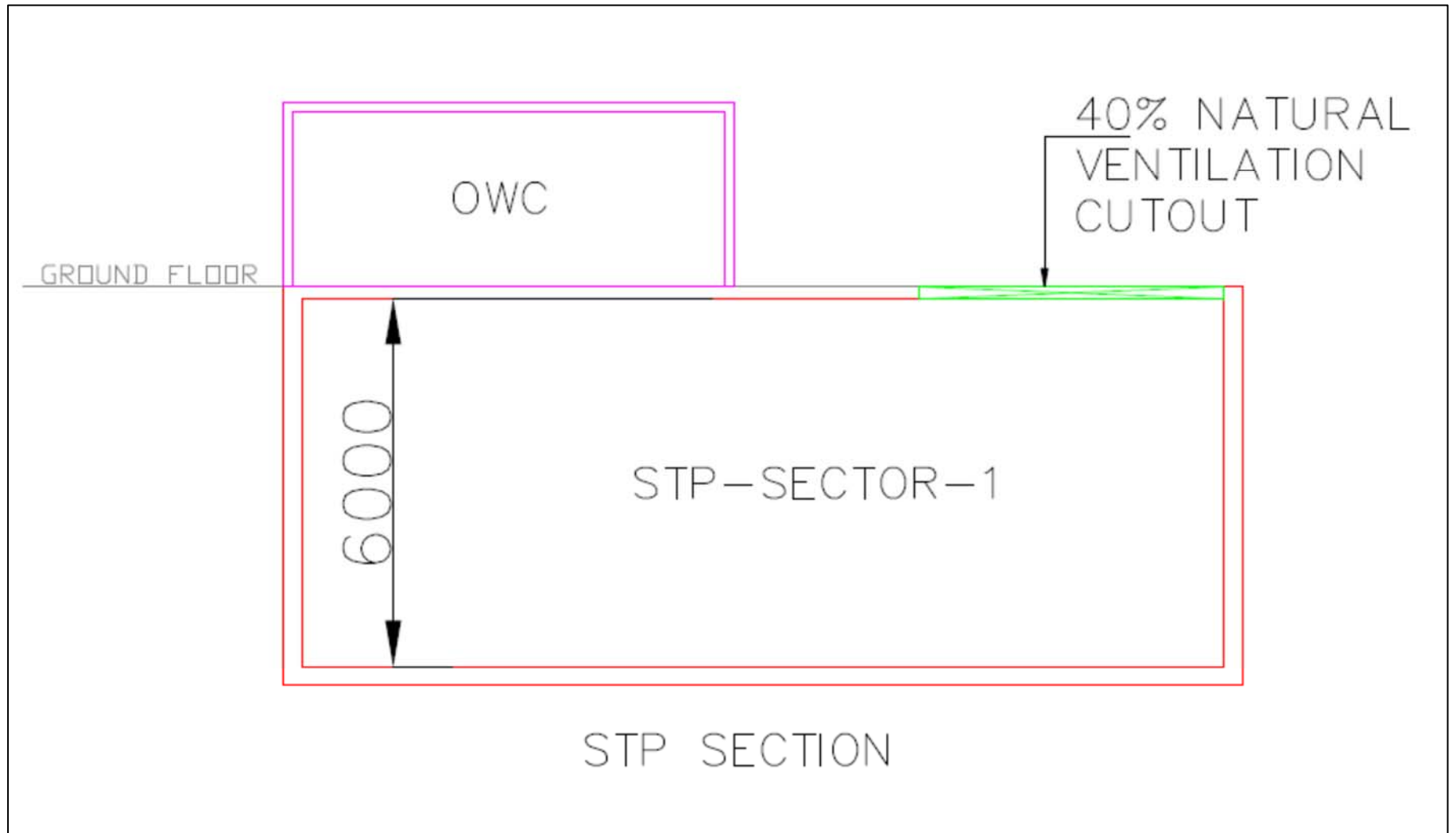
Schedule-III
Details of Bank Guarantees

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Establish	Rs. 10 lakh	15 Days	Towards Consent to Establish conditions	Up to Commissioning of the project	Five years

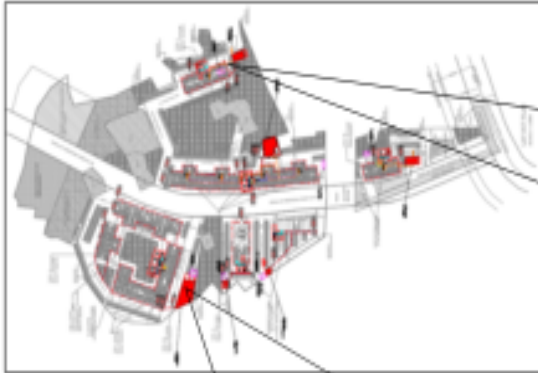


Maharashtra Pollution Control Board

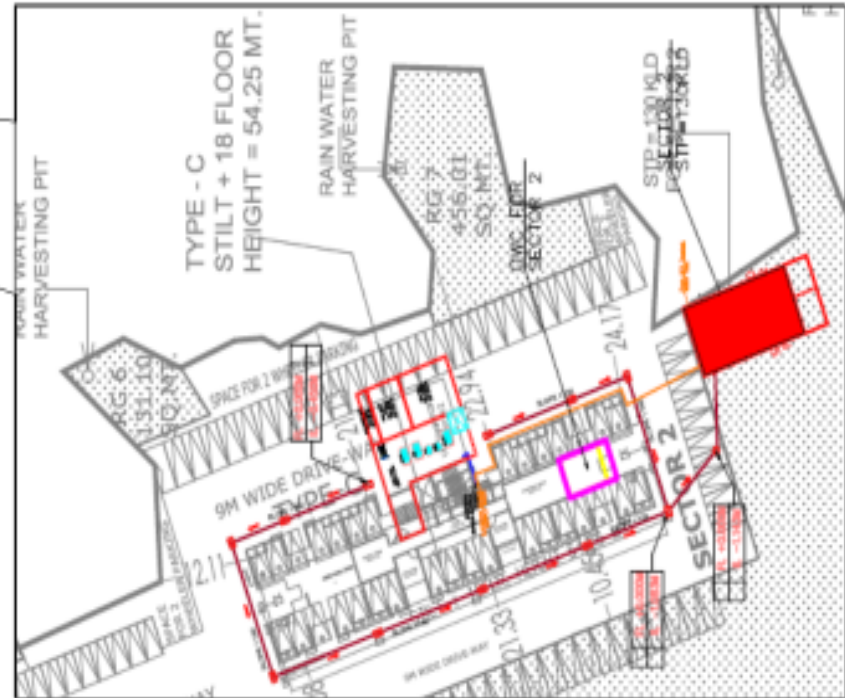
Annexure I



STP LAYOUT



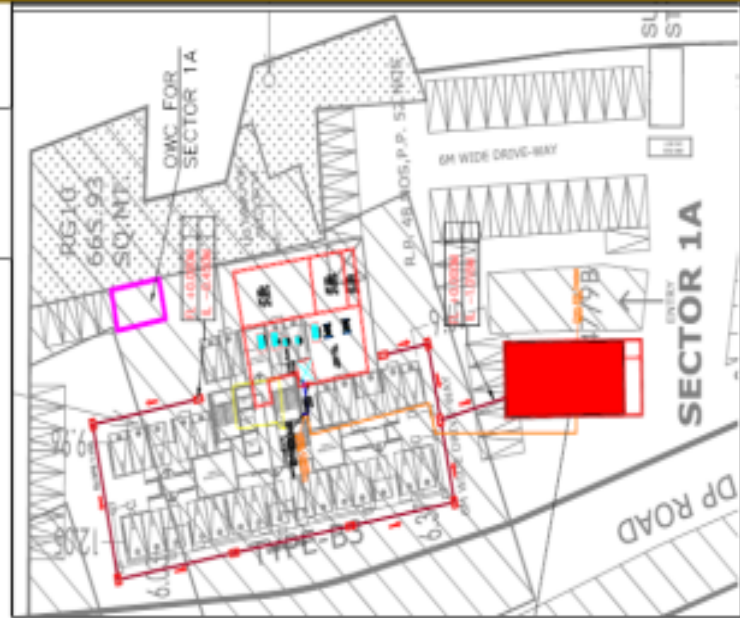
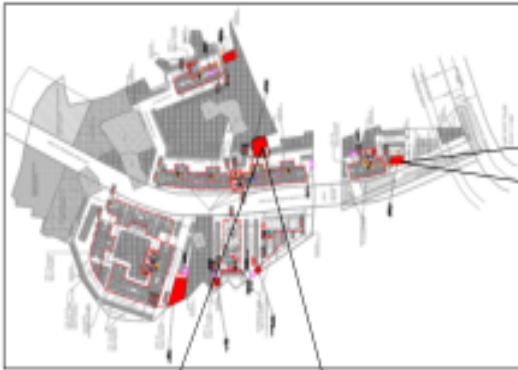
Sector 1: STP 680 KLD



Sector 2: STP 130 KLD

Location: Ground





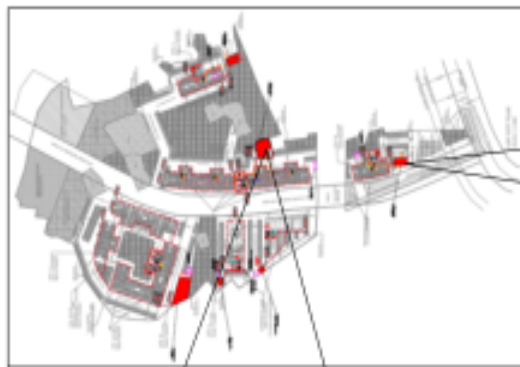
Sector 1A: STP: 120 KLD



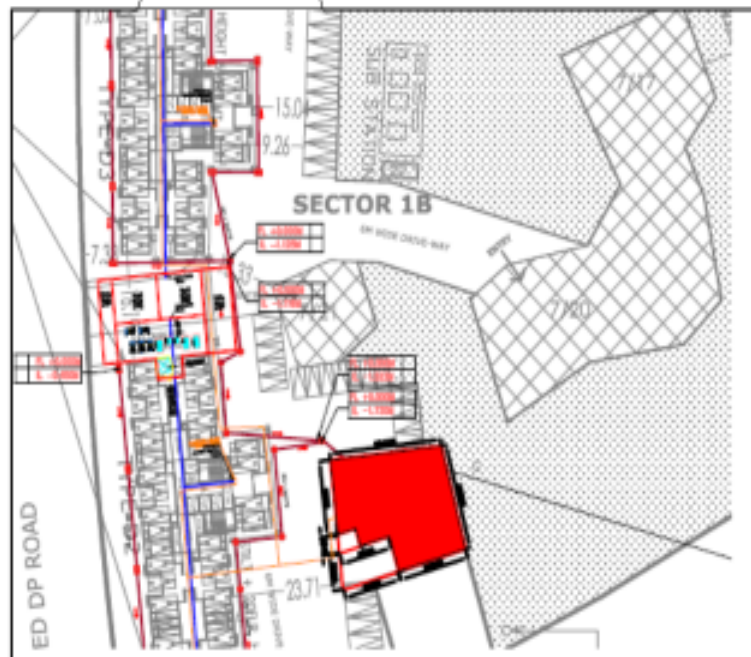
Sector 1B: STP: 460 KLD

Location: Ground





Sector 1A: STP: 120 KLD



Sector 1B: STP: 460 KLD

Location: Ground

Annexure II


ADRIKA DEVELOPERS PVT. LTD.

To,

Date: 27/12 /2019

The Metropolitan Commissioner,MMRDA,
Multipurpose Hall, 2nd Floor, Near Oswal
Park, Pokharan Road No. 2, Majiwade
Thane West- 400601

Subject: CER (Corporate Environmental Responsibility) Plan for Proposed Layout with Residential & Partly Commercial Building permission at village Kopar, Kalher Tal Bhiwandi, Dist- Thane by M/s. Adrika Developers Pvt. Ltd

Reference:

1. MoEF&CC circular F.No. 22-65/2017-IA.III dated 1.5.2018.
2. Minutes of 122nd SEAC II meeting (*SEAC-MINUTES-000005121*)

Respected Sir,

The project is Proposed Layout with Residential & Partly Commercial Building permission at village Kopar, Kalher Tal Bhiwandi, Dist- Thane by M/s. Adrika Developers Pvt. Ltd requires Environment Clearance under the EIA notification, 2006 & amended till date. The project was therefore presented to State Expert Appraisal Committee- II in 122nd SEAC-II meeting and is recommended to State Expert Impact Assessment Authority prior to Environment Clearance subject to condition to undertake CER activity near the project as per MOEF circular as referred above.

As per the MoEF&CC circular F.No. 22-65/2017-IA.III dated 1.5.2018, we are proposing to contribute amount of Rs.5.1 Crores in the area of village Koper & Kalher at Tal. Bhiwandi and habitants around the project. The details of it are as below:

Sr. No.	Description	Details
1	Name of the Project	Proposed Layout with Residential & Partly Commercial Building permission at village Kopar, Kalher Tal Bhiwandi, Dist- Thane by M/s. Adrika Developers Pvt. Ltd
2	Project type (green / brown field)	Green field project
3	Cost of the project (in Rs.)	340 Crore
4	Percentage as per OM vide F.No. 22-65/2017-IA.III dtd 1.05.2018	1.5 %
5	Cost of CER (in Rs.)	5.1 crores
6	District / village in which CER will be provided	Kopar, Kalher, Dist Thane
7	NGO/Local body (Recommended by District Collector)	As per recommendations of SEAC II
8	Duration of allocation of fund for CER (in Years)	7 years



ADRIKA DEVELOPERS PVT. LTD.

Activity	1 st year Rs. in crores	2 nd year Rs. In crores	3 rd year Rs. In crores	4 th year Rs. In crores	5 th year Rs. in crores	6 th year Rs. in crores	7 th year Rs. in crores
Tree plantation	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Storm water drain	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Sanitation + Water + Solid waste management	0.5	0.5	0.6				

Kindly acknowledge the same and intimate us the procedure to be followed for dealing the matter further.

Thanking you.

Yours faithfully,

For

M/s Adrika Developers Pvt. Ltd.

Authorized Signatory



Inward Clerk
Sub Regional Office,
M.M.R.D.A
Thane



STP



construction labour - Toilet/ Bathrooms



construction labour - Stay arrangements



construction labour - drinking water facilities provided.- (R.O. Plant)





Sl. No.	NAME OF EMPLOYEE	ADDRESS
1	Mr. A. Lakshminarayana	
2	Mr. B. Ramesh	
3	Mr. C. Srinivas Reddy	
4	Mr. D. Venkatesh	
5	Mr. E. Subbarao	
6	Mr. F. Narayana Murthy	
7	Mr. G. Venkatesh	
8	Mr. H. Venkatesh	
9	Mr. I. Venkatesh	
10	Mr. J. Venkatesh	
11	Mr. K. Venkatesh	
12	Mr. L. Venkatesh	
13	Mr. M. Venkatesh	
14	Mr. N. Venkatesh	
15	Mr. O. Venkatesh	
16	Mr. P. Venkatesh	
17	Mr. Q. Venkatesh	
18	Mr. R. Venkatesh	
19	Mr. S. Venkatesh	
20	Mr. T. Venkatesh	
21	Mr. U. Venkatesh	
22	Mr. V. Venkatesh	
23	Mr. W. Venkatesh	
24	Mr. X. Venkatesh	
25	Mr. Y. Venkatesh	
26	Mr. Z. Venkatesh	

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CELEBRATES
INTERNATIONAL SAFETY DAY
COMPANY SAFETY WEEK
(04-10 MARCH)

पदा से सीखें और
भविष्य की तैयारी करें

FROM DISASTER ANY
FOR A SAFER FUTURE



2021/3/10



SCHWING
Stetter







Security Guard

Security Guard

Yellow Hard Hat

Yellow Hard Hat

Yellow Hard Hat

MH.04.JJ
7471

गामाची
पंथवाई











