

**Six Monthly Environmental Compliance Reports of  
Stipulated Conditions of Environmental Clearance**

**(Jan 2023 to Jun 2023)**

**Submitted to**  
**Regional Office, MoEF, Nagpur**  
**Environment Department, Maharashtra**  
**Regional office, MPCB, Pune**

**Submitted by:**  
**M/s. Chandrarang Developer & Builders Pvt. Ltd**

**For the Building Construction project**  
**“Chandrarang Serenity”**

**S.No. 253/2(PLOT – B), Village: Wakad,**  
**Tal. Mulshi, Dist.: Pune,**  
**Maharashtra**

Date: 21.06.2023

**Regional office,  
Ministry of Environment & Forest, Nagpur.**

**Subject:** Six-monthly Environmental compliance report (Jan 2023 to Jun 2023) for Building construction project "Chandrarang Serenity" by M/s Chandrarang Developer & Builders Pvt. Ltd at S.No. 253/2 (PLOT – B), Village: Wakad, Tal. Mulshi, Dist.: Pune, Maharashtra

**Reference:** Environmental Clearance letter no. **SEIAA-EC-0000001985** dated 13<sup>th</sup>Sept 2019.

**Respected Sir,**

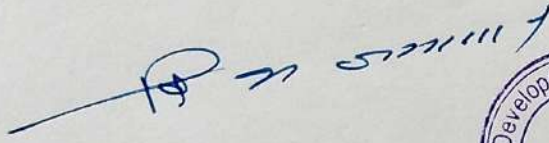
This refers to the above-said subject; we would like to submit Six Monthly Environmental compliance against the Environmental Clearance granted vide letter no. **SEIAA-EC-0000001985** dated 13<sup>th</sup>Sept 2019 for Building construction project "**Chandrarang Serenity**" by **M/s Chandrarang Developer & Builders Pvt. Ltd** at S.No. 253/2 (PLOT – B), Village: Wakad, Tal. Mulshi, Dist.: Pune, Maharashtra.

This is for your kind information please.

Thanking you,

Yours faithfully,

**For M/s Chandrarang Developer & Builders Pvt. Ltd**



**Authorized Signatory**

**C.C. to:**

**Environment Department, Room No. 217, 2<sup>nd</sup> floor, Mantralaya, Mumbai, Maharashtra.**

**The Regional office, Maharashtra Pollution control Board, Pune.**



Date: 21.06.2023

To,  
Environment Department, Room No. 217,  
2nd floor, Mantralaya Annex,  
Mumbai-400 032

**Subject:** Six monthly Environmental compliance report (Jan 2023 to Jun 2023) for Building construction Project "Chandrarang Serenity" by M/s Chandrarang Developer & Builders Pvt. Ltd. at S. No. 253/2 (PLOT – B), Village: Wakad, Tal. Mulshi, Dist.: Pune, Maharashtra.

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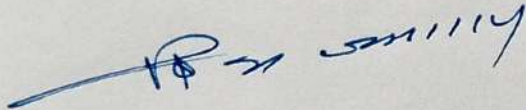
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**REGD. OFFICE :**

Chandrarang Group, S.No. 89/1, Near Bharat Ratna JRD Tata Flyover,  
Pimple Gurav, Pune, Maharashtra, India - 411 061.

+91-020-27261992

www.chandraranghomes.com



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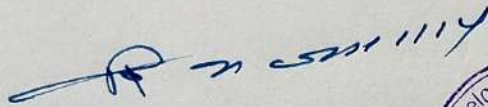
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**PART I  
DATA SHEET**

1.	<b>Project type: river-valley/ mining/ Industry/thermal/ nuclear/ Other (specify)</b>	Building Construction project	
2.	<b>Name of the project</b>	“Chandrarang Serenity”	
3.	<b>Clearance letter (s) / OM/ no and date:</b>	SEIAA-EC-0000001985 dated 13 <sup>th</sup> Sept 2019	
4.	<b>Location</b>	S.No. 253/2 (PLOT – B), Village: Wakad, Tal. Mulshi, Dist.: Pune, Maharashtra.	
a.	<b>Latitude / Longitude</b>	Latitude : 18°35'29.70"N, Longitude : 73°46'12.76"E	
5.	<b>Address for correspondence</b>	M/s Chandrarang Developer & Builders Pvt. Ltd. Jagtap Complex, Shivaji Chowk, Near PCMC School, Pimple Gurav, Pune.	
6.	<b>Salient features</b>		
a.	of the project	The project includes 6 Residential Building having 313 flats (Residential 289, Mhada 24) , 1 Club house & 2 Commercial shops	
		<b>Building Configuration</b>	<b>Height of Building (Meter)</b>
		A Wing Commercial + Residential (43 No. of flats)	GP +Stilt floor + 11 39.00
		Residential: B Wing (41 No. of flats)	GP+PP+11 39.00
		Residential: C Wing (41 No. of flats)	GP+PP+11 39.00
		Residential: D Wing MHADA (Upto 5 <sup>th</sup> floor)+ Residential (24 No. of MHADA flats & 38 No's of residential flats)	GP+PP+11 39.00
		Residential: E Wing (62 No. of flats)	GP+PP+11 39.00
		Residential: F Wing (64 No. of flats)	GP+PP+11 39.00
		Club house	G + 1 9.00
b.	of the environmental management plans	<ul style="list-style-type: none"> <li>• 1 No of STP will be provided for treatment of domestic waste water having capacity 195 CMD</li> <li>• Wastewater generated:</li> </ul>	

		<p style="text-align: center;">🏠 Residential:- 193.77 KLD</p> <ul style="list-style-type: none"> <li>• Recycled wastewater will be used for gardening and flushing.</li> <li>• The Dry waste of approximately 317 kg/day will be segregated at source &amp; sent to SWATCH.</li> <li>• The Wet waste of approximately 479 Kg/day will be composted using OWC of capacity 500 kg/day.</li> <li>• Landscape garden will be developed in the Project.</li> </ul>		
7.	<b>Break Up Of the project Area</b>	Total plot area: 8000sq.mts Total Built up area : 31773.21sq.mts		
a.	<b>Submerge area : forest &amp; :non-forest</b>	NA		
b.	<b>Others</b>	RG area: 766sq. mts.		
8.	<b>Breakup of the project affected: population with enumeration of those losing houses / dwelling units, only agriculture land only, dwelling units and agriculture land and landless labourers / artisan.</b>	NA		
a.	<b>SC, ST / Adivasis</b>	Nil		
b.	<b>Others</b>	Nil		
9.	<b>Financial details</b>			
a.	<b>Project cost as originally planned and subsequent revised estimates and the year of price reference</b>	Total : Rs.85.04 Cr		
b.	<b>Allocation made for environmental management plans with item wise and year wise break-up</b>	<b>Component</b>	<b>Capital Cost in Lac</b>	<b>Operational and Maintenance cost (Rs. In Lacs/yr)</b>
		Sewage Treatment Plant	60	10
		Rainwater Harvesting System	5.30	0.50
		Solid Waste Management	15	3.0

		Energy Conservation	38	0.75
		Landscaping	14.8	1.5
		Environment monitoring O & M cost	-	3
		<b>Total</b>	<b>133.1</b>	<b>18.75</b>
<b>10.</b>	<b>Forest land required</b>	N.A		
<b>a.</b>	<b>The status of approval for diversion of forest land for non-forestay use</b>	N.A		
<b>b.</b>	<b>The status of clearing and felling</b>	N.A		
<b>c.</b>	<b>The status of compensatory afforestation, if any</b>	N.A		
<b>d.</b>	<b>Comments on the viability &amp; sustainability of compensatory afforestation program in the light of actual field experience so far</b>	N.A.		
<b>11.</b>	<b>The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads) , if any with quantitative information</b>	N.A.		

## PART-II

### COMPLIANCE ON IMPOSED CONDITION OF ENVIRONMENTAL CLEARANCE

Sr. No.	Condition of Environmental Clearance	Status of compliance
<b>Specific Conditions:</b>		
1.	PP to submit CER plan to Municipal Commissioner/District Collector and submit the acknowledgement to Member Secretary, SEIAA	PP has submitted CER plan to Municipal Commissioner/District Collector and submitted acknowledgement of it to SEIAA.
2.	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.	Complied. All the conditions stipulated by MoEF& CC are being/will be complied
3.	SEIAA decided to grant EC for: FSI:15603.50 m <sup>2</sup> , Non-FSI: 16001.62 m <sup>2</sup> and Total BUA: 31605.12 m <sup>2</sup> ( Approval no-BP/Wakad/EC/09/2019, Date-20.08.2019).	Condition Noted.
<b>General Conditions:</b>		
1	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.	Agreed. PP has obtained NOC from SWACH for collection of E waste of project. <b>Attached as an annexure 4.</b>
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.	Sustained availability of drinking water and connectivity of the sewer line to the project site and proper disposal of treated water will be ensured before obtaining Occupation certificate.
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 life clearance granted to the project which will be considered separately on merit.	Not applicable. As per DP shown by PP, the said project comes under Residential zone.
4	PP has to abide by the conditions stipulated by SEAC& SEIAA.	All the conditions stipulated by SEAC & SEIAA are being/will be complied.
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.	Complied. The height and built up area is in accordance with the FSI/FAR norms and approved by Authority.
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.	For Proposed project Consent to establish has been obtained from MPCB. Consent Order No. Format 1.0/BO/JD (WPC)/UAN-072916/CE/CC-1910000055 date-01/10/2019. <b>Attached as an Annexure 2</b>



7	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Sanitary facilities and hygienic measures are provided on site. Cleanliness is maintained throughout the project site. It also ensured that no accumulation of water.
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.	Construction workers are being provided with adequate safe drinking water and sanitary facilities. Safe disposal of wastewater and solid waste is being done. Temporary sanitation facility is provided for construction workers by installing Mobile toilets.
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.	Construction debris is used for land leveling & excavated top soil is used for gardening purpose. The solid waste generated on occupancy of flats will be segregated at source. OWC will be installed at site for composting biodegradable waste. Non-biodegradable waste will be disposed to municipal solid waste management system.
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 is collected and segregated properly at site & reused for construction activity. Excavated soil used for levelling within project site.
11	Arrangement shall be made that waste water and storm water do not get mixed.	Separate Piping network is installed for the wastewater & storm water system. Storm water drain have covered drain system and connected to the municipal drain. Whereas sewage treatment plant (STP) is being installed for treatment of waste water generated on site. Waste water will be separately collected and treated in STP.
12	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site	Excavated top soil will be used for gardening purpose.
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.	Construction debris is used for leveling & backfilling of plot.
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.	Total RG Area provided is 766Sq.m and PP will plant 121 Nos of trees by considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
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 and ground water testing is carried out. There are no traces of heavy metals/toxic chemicals in ground water and soil. <b>Reports are attached as Annexure -5</b>

16	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dumpsites for such material must be secured so that they should not leach into the ground water.	Complied. No hazardous material is required for the construction of project. Construction waste is being kept at separately designated places.
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.	Complied.
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.	The diesel generators used are of low Sulphur type and are conforming to air and noise standards.
19	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	Agreed. Diesel required will be purchase as and when required, there is no storage require at site.
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.	Hired vehicles are in good condition and are with pollution check certificate. Movement of vehicles is being restricted only during non-peak hours / day time only.
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 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.	D.G. set installed for the construction phase is with acoustic enclosures as prescribed by CPCB to mitigate noise. Movement of vehicles during construction phase is restricted only during non-peak hours / day time only. Hired vehicles are in good condition and are with pollution check certificate. Adequate measures shall be made to reduce ambient air and noise level during construction phase. PP has provided fencing from all sides. Care has been taken to maintain the noise level within the limits at site. <b>Air and Noise Monitoring reports attached as Annexure 5</b>
22	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).	Site is not within 100 km of Thermal Power Station. Still, Fly ash bricks id being/ will be used.
23	Ready mixed concrete must be used in building construction.	Ready mix concrete is being used for building construction.
24	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Separate storm water line along with rainwater harvesting will be provided.
25	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Use of RMC, Curing agent and gunny bags and bonding of slab etc. is implemented to reduce water demand during construction.

26	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	Ground water monitoring reports are <b>attached as Annexure-5</b>
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 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/ reused to the maximum extent possible. Discharge of this unused treated affluent, 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 odor problem from STP.	Installation of STP of capacity 195 CMD is ongoing at the site. All necessary permissions from concerned authorities will be taken. Treated water will be reused to the maximum extent possible. Excess treated water will be discharged into Municipal drainage line Drainage NOC obtained from Pimpri Chinchwad Municipal Corporation.
28	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.	Tanker water from recognized vendors is being used for the construction activity. NO basement is provided Moreover; water from Pimpri Chinchwad Municipal Corporation will be used during the operational phase. <b>Water NOC is attached as Annexure- 3</b>
29	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.	Dual plumbing system will be installed for separation of grey and black water.
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.	The low flow fixtures will be installed for showers, toilets flushing and drinking purpose.
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.	Condition Noted.
32	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	While preparing the roof of the building prescriptive requirement as per Energy Conservation Building Code will be adopted and appropriate thermal insulation materials will be used.
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 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.	CFL and LED bulbs will be used for outdoor and common area lighting for energy conservation. Solar water heater system will be installed at site to cater hot water requirement of occupants.

34	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.	DG Sets are enclosed type and proper location is allotted for DG set.
35	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.	Construction activity is being carried out only during day time. The noise levels are complying with the prescribed standards. <b>Noise Monitoring Reports attached as Annexure -5</b>
36	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.	Security personnel's have been appointed at entry and exit point to avoid traffic congestion. Provided adequate parking area within project site.
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 aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	A report on Energy conservation has been submitted to SEAC, Environment Department, Maharashtra These points is complied.
38	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Adequate distances have been provided between buildings for better air circulation.
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 of the above and other measures is carried out throughout the construction activity.
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.	Construction work has been started after obtaining Environmental Clearance from Environment Department Govt. of Maharashtra. <b>EC letter is attached as Annexure-1</b>
41	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.	Six monthly monitoring reports will be submitted regularly.
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.	Installation of STP work is ongoing & OWC will be installed on site. Required number of trees will be planted. Excess treated water will be discharged to municipal drainage line. Drainage NOC has been obtained from PCMC. No Physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional.
43	Wet garbage should be treated by Organic Waste Converter	OWC will be installed on site for treatment



	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.	of wet waste and manure obtained after treatment will be utilized for gardening purpose within site premises.
44	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	Concerned authority issues Occupation certificate only after completion of STP & OWC.
45	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	Documents are being/will be submitted to Local authority & MPCB on regular basis.
46	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	Agreed.
47	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	A separate environment management cell with qualified staff is set up. <b>Environment Management Cell attached as annexure 6.</b>
48	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.	Separate funds are allocated for implementation of environment protection measure. <b>EMP budget attached as annexure 7</b>
49	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 <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a> .	Advertisement has been given in local newspaper stating that project is accorded Environmental Clearance. <b>Attached as Annexure -8</b>
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 <sup>st</sup> June & 1 <sup>st</sup> December of each calendar year.	Half yearly compliance reports in respect of the stipulated prior environmental clearance terms and conditions is being/will be regularly submitted to Regional office of MoEF, MPCB & Environment Department, Govt. of Maharashtra on regular basis.
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.	Agreed
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 <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack	Agreed

	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.	
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.	Six monthly compliance reports are being/ will be regularly submitted to the respective Regional Office of MoEF, Env. Dept, Maharashtra & the MPCB on regular basis
54	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.	The Environmental statement will be submitted for each financial year ending 31 <sup>st</sup> March to MPCB

## **LIST OF ANNEXURE**

<b>Sr. No.</b>	<b>Name</b>
Annexure -1	Environmental Clearance letter
Annexure-2	Consent to Establish
Annexure-3	Water NOC
Annexure-4	SWACH NOC and Agreement.
Annexure -5	Ground Water and soil analysis report Ambient Air and Ambient Noise Monitoring reports
Annexure – 6	Environment Management Cell
Annexure -7	EMP budget
Annexure -8	EC advertisement

## **Annexure 1 – EC Letter**





## STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,  
Room No. 217, 2nd floor,  
Mantralaya, Annexe,  
Mumbai- 400 032.  
Date: September 13, 2019

To,  
**Mr. Vijay Jagtap**  
at s.no. , 253/2, PLOT - B, Wakad, Mulshi, Pune.

**Subject:** Environment Clearance for Proposed Building Construction Project by M/s Chandrarang Developer & Builders 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-III, Maharashtra in its 91st 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 174th meetings.


2. It is noted that the proposal is considered by SEAC-III under screening category 8(a) B2 as per EIA Notification 2006.

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

1.Name of Project	Proposed Building Construction Project by M/s Chandrarang Developer & Builders Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vijay Jagtap
4.Name of Consultant	S G M Enviro (I) Pvt. Ltd.
5.Type of project	Residential & Commercial Development Project
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	s.no. , 253/2, PLOT - B, Wakad, Mulshi, Pune.
9.Taluka	Mulshi
10.Village	Wakad
Correspondence Name:	Vijay Pandurang Jagtap
Room Number:	-
Floor:	-
Building Name:	Jagtap Complex
Road/Street Name:	Shivaji Chowk
Locality:	Near PCMC School, Pimple Gurav
City:	Pune
11.Whether in Corporation / Municipal / other area	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	In process IOD/IOA/Concession/Plan Approval Number: In process Approved Built-up Area:

**SEIAA Meeting No: 174 Meeting Date: August 29, 2019 ( SEIAA-STATEMENT-000002824 )**  
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**Shri. Anil Diggikar (Member Secretary SEIAA)**

13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	IOD is in process
15.Total Plot Area (sq. m.)	8,000
16.Deductions	332.94
17.Net Plot area	7667.06
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>FSI area (sq. m.):</b> 15706.65
	<b>Non FSI area (sq. m.):</b> 16066.56
	<b>Total BUA area (sq. m.):</b> 31773.21
18 (b).Approved Built up area as per DCR	<b>Approved FSI area (sq. m.):</b> IOD is in process
	<b>Approved Non FSI area (sq. m.):</b> IOD is in process
	<b>Date of Approval:</b> 04-02-2019
19.Total ground coverage (m2)	5303.55
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	20%
21.Estimated cost of the project	850400000



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## 22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Proposed Residential & Commercial development Project	Not applicable	Not applicable	Not applicable

## 23. Total Water Requirement

<b>Dry season:</b>	Source of water	PCMC
	Fresh water (CMD):	142.00
	Recycled water - Flushing (CMD):	72.00
	Recycled water - Gardening (CMD):	8.5
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	222.5
	Fire fighting - Underground water tank(CMD):	300 CMD
	Fire fighting - Overhead water tank(CMD):	20 CMD each building
	Excess treated water	97.00
<b>Wet season:</b>	Source of water	PCMC
	Fresh water (CMD):	142.00
	Recycled water - Flushing (CMD):	72.00
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	214.00
	Fire fighting - Underground water tank(CMD):	300 CMD
	Fire fighting - Overhead water tank(CMD):	20 CMD each building
	Excess treated water	102.00
<b>Details of Swimming pool (If any)</b>	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	214	214	Not applicable	20.23	20.23	Not applicable	193.77	193.77
Gardening	Not applicable	8.5	8.5	Not applicable	8.5	8.5	Not applicable	0	0

<b>25.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Summer Season - 16.33 m. to 20.33 m. BGL. (18.33 M. BGL Average) Rainy Season - 6.33 m. to 11.00 BGL. (8.67 M. BGL Average) Winter Season - 11.33 m. to 15.67 m. BGL. (13.50 M. Average)
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	Total 7 No., 4 Nos. with recharge bores & 3 No. of Soak Pits.
	<b>Size of recharge pits :</b>	4 No. of 2.50 m. X 2.50 m. X 1.50 m. Recharge bores & 3 No. of 1.0 m. X 1.00 m. X 1.00 m. Soak Pits.
	<b>Budgetary allocation (Capital cost) :</b>	5.30 Lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	0.50 Lakh
	<b>Details of UGT tanks if any :</b>	Drinking=38 CMD Domestic=178 CMD Fire=300 CMD Flushing=114 CMD

<b>26.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Slope to the West Side
	<b>Quantity of storm water:</b>	92.59 m <sup>3</sup> / Day
	<b>Size of SWD:</b>	450MM Pipe

<b>27.Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	193.77 KLD
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	195 CMD
	<b>Location &amp; area of the STP:</b>	On ground
	<b>Budgetary allocation (Capital cost):</b>	60 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	10 Lakh/Annum



## 28.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	0.4 to 0.6 MT/day
	<b>Disposal of the construction waste debris:</b>	This material shall be used for back filling and leveling of the plot.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	317 kg/day
	<b>Wet waste:</b>	479 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	10 Kg/day
	<b>Others if any:</b>	E-waste: Negligible
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	To Authorized vendor of PCMC
	<b>Wet waste:</b>	Organic Waste Converter of 500 Kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	STP sludge will be used as manure.
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	On ground
	<b>Area for the storage of waste &amp; other material:</b>	36 Sq.m.
	<b>Area for machinery:</b>	-
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	15 Lakh
	<b>O &amp; M cost:</b>	3 Lakh

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## 29.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	6.5-8	6.5-8	6.5-9
2	TSS	mg/l	200	10	50
3	BOD	mg/l	300	10	10
4	COD	mg/l	450	30	100
5	Oil & Grease	mg/l	10-50	1-5	10
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	DG set 1 of 160 KVA	Diesel- 30 Lit/hr	1	5.22	-	-

### 32. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Not applicable	30 Lit/hr	30 Lit/hr

33. Source of Fuel: Local vendor

34. Mode of Transportation of fuel to site: By road

### 35. Energy

<b>Power requirement:</b>	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	40 KVA
	During Operation phase (Connected load):	1245 KW
	During Operation phase (Demand load):	564 KW
	Transformer:	630 KVA - 1.NO.
	DG set as Power back-up during operation phase:	160 KVA - 1.NO.
	Fuel used:	Diesel for DG set of 160 KVA - 30 lit./hr @ 75% Loading
	Details of high tension line passing through the plot if any:	NA

### Energy saving by non-conventional method:

Measures to reduce energy consumption :

Generally we have proposed high efficiency transformer, motors etc. to reduce losses.

Electronic Ballasts and Energy efficient lamp source either triposphere or LED are proposed for common area & general lighting with automatic time based control to save power by switching ON & OFF the lights at appropriate time. The estimated saving in common lighting consumption is up to 20 % due to adopting above measures.

### 36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total of all Savings for ( per year )	20%

### 37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water	Not applicable	STP
Solid waste	Not applicable	OWC

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	38 Lakh
	<b>O &amp; M cost:</b>	0.75 Lakh/Annum

### 38.Environmental Management plan Budgetary Allocation

#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Drinking water	01	0.10
2	Sanitation	12.5	0.75
3	Health check up	01	0.25
4	Labour Camp Management	03	0.50


#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	-	60	10
2	RWH System	-	5.30	0.50
3	Solid Waste Management -OWC etc.	-	15	3.0
4	Energy conservation	-	38	0.75
5	Green belt development, Landscaping	-	14.8	1.5
6	Environmental Monitoring	-	-	3

### 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

<p><b>SEIAA Meeting No: 174 Meeting Date: August 29, 2019 ( SEIAA-STATEMENT-000002824 )</b>  <b>SEIAA-MINUTES-000002474</b>  <b>SEIAA-EC-000001985</b></p>	<p>Page 8 of 14</p>	 <b>Shri. Anil Diggikar (Member Secretary SEIAA)</b>
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# Government of Maharashtra

	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	8(a) B2
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	NA
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

**3. The proposal has been considered by SEIAA in its 174th 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:**

<b>I</b>	PP to submit CER plan to Municipal Commissioner/District Collector and submit the acknowledgement to Member Secretary, SEIAA.
<b>II</b>	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.
<b>III</b>	SEIAA decided to grant EC for: FSI:15603.50 m2, Non-FSI: 16001.62 m2 and Total BUA: 31605.12 m2 ( Approval no-BP/Wakad/EC/09/2019, Date-20.08.2019)

**General Conditions:**

<b>I</b>	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
<b>II</b>	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.
<b>III</b>	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 imply that Forestry & Wild life clearance granted to the project which will be considered separately on merit.
<b>IV</b>	PP has to abide by the conditions stipulated by SEAC & SEIAA.
<b>V</b>	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.
<b>VI</b>	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.
<b>VII</b>	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
<b>VIII</b>	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
<b>IX</b>	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 <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a> .
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 <sub>2</sub> , NO <sub>x</sub> (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 PUNE
10. MUNICIPAL COMMISSIONER SATARA
11. REGIONAL OFFICE MPCB PUNE
12. REGIONAL OFFICE MIDC PUNE
13. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
14. COLLECTOR OFFICE PUNE
15. COLLECTOR OFFICE SATARA
16. COLLECTOR OFFICE SOLAPUR

## **Annexure 2 – Consent to Establish**



# MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 24010437/24020781  
/24037124/24035273  
Fax : 24044532/24024068  
/24023516  
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-072916/CE/CC- **19100000 55**  
Date **01/10** /2019

To,  
**M/s. Chandrarang Developers & Builders Pvt Ltd,**  
**S. No. 253/2, Plot-B, Wakad.**  
**Tal: Mulshi, Dist: Pune.**

**Sub: Consent to Establish for Construction of Residential & Commercial Development Projects granted under Red Category.**

**Ref:** 1. Your Application vide UAN No. -0000072916 Dated: 11/05/2019.  
2. Minutes of 4<sup>th</sup> Consent Committee meeting (Part-II) held on 31/08/2019.

For: Consent to Establish for Construction of Residential & Commercial Development project 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 the project or of 5 years whichever is earlier.
2. The proposed capital investment of the project is Rs. **85.04 Cr.**  
(As per C.A certificate submitted by project proponent)

The Consent to Establish is valid for construction of Residential & Commercial Development Project named as **M/s. Chandrarang Developers & Builders Pvt Ltd, S. No. 253/2, Plot-B, Wakad. Tal: Mulshi, Dist: Pune**, for total plot area of **8,000.0 Sqm** and Proposed total construction built up area **31,773.21 Sqm** including utilities and services as per 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	193.77	As per Schedule -I	60% should be reused & recycled and remaining should be discharged in municipal sewer

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

Sr. No.	Description of stack/ source	Capacity	Number Of Stack	Standards to be achieved
1	DG Set	160 KVA	1	As Per Schedule -II



5. Conditions under Solid Waste Management Rules, 2016:

Sr. no.	Type Of Waste	Quantity & UOM	Treatment	Disposal
1	Wet garbage	515.0 Kg/Day	Organics waste Converter with composting facility / Biogas digester with composting facility	Used as Manure
2	Dry garbage	343.0 Kg/Day	--	Segregate and Hand over to Local Body for recycling
3.	STP sludge	10.0 Kg/day	STP	Used as manure

6. Project proponent shall not take any effective steps towards implementation of projects prior to obtaining Environment Clearance.

7. Conditions under Hazardous and Other Wastes (M & TM) Rules, 2016 for treatment and disposal of hazardous waste; NIL.

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same should be binding on the industry.

9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.

10. Project Proponent shall comply the Construction and Demolition Waste Management Rules, 2016 which is notified by Ministry of Environment, Forest and Climate Change dtd.29/03/2016.

11. Project Proponent shall submit an affidavit in Board's prescribed format within 15 days regarding the compliance of conditions of EC/CRZ clearance and C to E.

12. Project Proponent shall install online monitoring systems for BOD, TSS and flow at the outlet of STP.

13. Project Proponent shall provide Organic waste digester with composting facility or Biogas digester with composting facility.

For and on behalf of the  
Maharashtra Pollution Control Board

(E. Ravendran, IAS)  
Member Secretary

Received Consent fee of –

Sr. No.	Amount (Rs.)	Transaction . No.	Date	Drawn On
1	1,25,000/-	PUNBH19140218242	20/05/2019	Punjab National Bank

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pimpri Chinchwad -- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updating purposes.

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 **195.0 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.

Sr No.	Parameters	Standards prescribed by Board
		Limiting Concentration in mg/l, except for PH
01	<b>BOD (3 days 27°C )</b>	<b>10</b>
02	Suspended Solids	20
03	COD	50
04	Residual chlorine	1 PPM

C) The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, firefighting, on land for gardening etc and remaining shall be discharged in to the municipal sewerage system.

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	214.0

- 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-II**

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

1. As per your application, you have proposed to install the Air pollution control (APC) system and also proposed to erect following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type Of Fuel	Quantity	UOM	S%	SO <sub>2</sub>
1.	DG Set (160 KVA)	Acoustic enclosure	3.00	Diesel	30.0	Lit/Hr	--	--

\* Above roof of the building in which it is installed.

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

Particulate matter	Not to exceed	150 mg/Nm <sup>3</sup> .
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3. The Applicant should obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement alteration well before its life come to an end or erection of new pollution control equipment. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).



**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 Compliance of EC and consent conditions.	Up to Commissioning of the project	COU



Maharashtra Pollution Control Board



Schedule-IV

**General Conditions:**

**The following general conditions shall apply as per the type of the industry.**

- 1) The applicant shall provide facility for collection of samples of sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and environmental protection Act 1986 and Solid Waste Management Rules, 2016 and E-Waste (Management) Rules, 2016.
- 3) Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- 4) Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- 5) Conditions for D.G. Set
  - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
  - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
  - c) The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m.
  - d) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
  - e) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
  - f) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
  - g) D.G. Set shall be operated only in case of power failure.
  - h) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - i) The applicant shall comply with the notification of MOEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 6) Solid Waste – The applicant shall provide onsite municipal solid waste processing system & shall comply with Solid Waste Management Rules, 2016 & E-Waste (M) Rules, 2016.
- 7) Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
- 8) The treated sewage shall be disinfected using suitable disinfection method
- 9) The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992
- 10) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.**



## **Annexure 3 – Water NOC**





# पिंपरी चिंचवड महानगरपालिका

(पिंपरी व चिंचवड नगरीय क्षेत्रासाठी आयएसओ 9001:2008 प्रमाणपत्र प्राप्त संख्या)  
पाणीपुरवठा विभाग, ड-क्षेत्रिय कार्यालय, औंध-रावेत रोड, रत्नाटणी-१७.  
Email - dward@pcmcindia.gov.in Website - www.pcmcindia.gov.in

जाचक क्र. - डधे/पापु/१/काचि/ ६२ /२०१९

दिनांक - २६/०३/२०१९

प्रति,

Ar.Suhas A. Undre,  
Devsaru Consultants & Architects,  
Office no.8, 1<sup>st</sup> Floor, Devsaru Complex,  
Wagholi-Manjri Road,  
Manjri Khurd - 412307.

विषय:- पर्यावरण ना हरकत प्रमाणपत्रासाठी पाणीपुरवठा विभागाचा  
ना हरकत दाखला मिळणेबाबत...

संदर्भ:- टोकन क्र.१०१५१८१९०००२५१२, दि.०६/०३/२०१९

महोदय,

उपरोक्त विषयांस अनुसरून संदर्भिय पत्रान्वये आपण नियोजित गृहसंकुल  
स.नं.२५३/२, वाकड, पुणे-५७ यासाठी पर्यावरण ना हरकत प्रमाणपत्रासाठी दाखला  
मिळणेबाबत अर्ज केला आहे. आपल्या गृहप्रकल्पाच्या एकूण ३१३ सदनिका (निवासी)  
(२८९ सदनिका व २४ म्हाडा), १६७.८१चौ.मी. क्षेत्र व्यापारी (विगर निवासी,  
व्यापारी गाळे) व कलव हाऊस ९२.५१चौ.मी. यांना एकूण २,१२,५३५ लि. पाण्याची  
आवश्यकता आहे. गृहप्रकल्पाचे बांधकाम पुर्ण झालेनंतर पिंपरी चिंचवड  
महानगरपालिका मार्फत रहिवासी सदनिकांसाठी पाणीपुरवठा उपलब्धेनुसार सदर  
गृहप्रकल्पातील नागरीबांना कारणे येईल. उर्वरित पाण्याची मागणी आपण Recycling  
केलेल्या पाण्याद्वारे पुर्ण करावी.

सदरचे प्रमाणपत्र पर्यावरण ना हरकत प्रमाणपत्रासाठी देणेत येत असून  
प्रत्यक्षात बांधकाम परवानगी घेते वेळेस सदर गृहप्रकल्पाबाबत सविस्तर माहिती आपले  
कडून अपेक्षित आहे व सदरची सविस्तर माहिती मिळाले नंतर बांधकाम परवानगीसाठी  
वेगळे ना हरकत प्रमाणपत्र देणेत येईल.

कार्यकारी अभियंता

थेरगाव ग्रॅन्हीटी, पाणीपुरवठा विभाग  
पिंपरी चिंचवड महानगरपालिका  
पिंपरी-१८

## **Annexure 4- SWACH NOC**



A higher level of self-reliance

Date: 20/02/2019

To,  
M/s. Chandrarang Developer & Builders Pvt. Ltd  
S.No. 79/1, Chandrarang Park,  
Sudarshan Nagar, Pimple Gurav,  
Pune-27

Sub: - Facilitating Solid Waste Management at your Commercial/Residential project "Residential Project and Commercial Project" situated S.No. 253/2, PLOT - B, Wakad, Pune

Dear Sir,

With reference to above subject we intend to facilitate the management of solid waste at your proposed project.

SWaCH Seva Sahakari Sanstha Maryadit, Pune (SWaCH) is India's first wholly-owned cooperative of self-employed waste pickers or waste collectors and other urban poor. It is an autonomous enterprise that ensures provision of front-end waste management services to the citizens of Pune through self-employed informal waste-pickers.

We will facilitate the collection of segregated dry waste (recyclables and non-recyclables: 317 Kg/Day, E Waste-23.88 Kg/Day) from your registered project "Residential Project and Commercial Project" situated S.No. 253/2, PLOT - B, Wakad, Pune through waste-picker members of SWaCH after completion of project.

Further, you have also confirmed that you have acquired the necessary equipment and infrastructure (OWC: 479 Kg/Day) for management of wet waste at source. If necessary, we can assist in facilitating in-situ wet waste processing using existing infrastructure and equipment through waste-pickers within the premises of your registered project through such affiliates and subject to such terms and conditions as may be applicable. . We ensure collection of E-waste from the site at a cost mutually decided. All commercial terms must be negotiated with waste-pickers prior to commencement of work.

Assuring you the best of our services.  
Thanking You,  
For SWaCH Pune Seva Sahakari Sanstha Ltd



Authorized Signatory  
20/02/2019



स्वच्छ पुणे सेवा सहकारी संस्था मर्यादित ही कचरावेचकांची स्वायत्त सहकारी संस्था असून दारोदार कचरा गोळा करण्याची

सेवा पुरवण्याकरिता पुणे महानगरपालिकेने अधिकृत केलेली संस्था आहे. वीन पत्ता :

कोथरुड कचरा डेपो, पीड रस्ता, कोथरुड, पुणे ४११ ०३८

दु. : ०२० ६५०००८१७ स्वच्छ हेल्पलाईन : ९७६५९९५०० ई-मेल : swachcoop@gmail.com वेबसाईट : www.swachcoop.com

तिसरा मजला, टिळक रोड क्षेत्रीय कार्यालय,  
२२८ बँक ऑफ इंडिया (टिळक रोड शाखेच्या चरती), पुणे ४११०४१

(Reg No. PNA (1) GNL/O/1321/07-08)

AGREEMENT

This Agreement ("Agreement") is entered into as on 16.02.2019

Between

M/s. Chandrarang Developer & Builders Pvt. Ltd. a registered Partnership Firm having its registered office at S.No. 79/1, Sudarshan Nagar, Chandrarang Park, Pimple Gurav, Pune-27 (herein after referred to as the "Developer") Party No.1

AND

SWaCH Pune Seva Sahakari Sanstha Maryadit, an autonomous fully owned cooperative of waste pickers in Pune which has its administrative office at 3rd Floor, Old Tilak Road Ward Office, Above SBI (Tilak Road Branch), Pune 411042 (herein after referred to as the "Party No. 2"), Party No.2

WHEREAS, the Developer/Party No.1 is developing/has developed a project under name and style of "Residential and Commercial Project" situated at S.No. 253/2, PLOT - B, Wakad, Pune. (herein after referred to as the "said Site").

Drachetti.



AND WHEREAS, the Developer requires professional services of a suitable agency to collect, recycle, and/or dispose of all the non-bio-degradable wastes, ("the said Wastes") resulting from the said Site on timely basis;

AND WHEREAS, Party No. 2 has assured the Developer that it can ensure the provision of such services through waste-picker members of the cooperative in accordance with local, state and central regulations;

AND WHEREAS relying on the assurances and representations made by Party No. 2, the Developer has requested the Party No. 2 to facilitate the collection, treating, disposing etc. of the dry and non-recyclable waste through its members for a period of 12 months from the date of execution hereof, which is accepted by the Party No. 2 subject to the terms and conditions mentioned hereinafter.

NOW THIS AGREEMENT WITNESSETH HEREAFTER

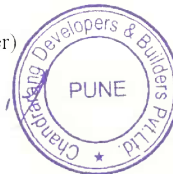
1. The Party No. 2 hereby agrees to ensure the collection through waste-pickers of non-bio-degradable waste (Quantity 317 Kg/Day),E waste( Quantity 23.88 Kg/day) resulting from the said Site, for a period of 12 (twelve) months from the date of execution hereof, for such user-fees which shall be mutually agreed upon at time of commencement of service with waste-pickers. We ensure collection of E-waste from the site at a cost mutually decided.
2. This agreement may be renewed for a subsequent term of 12 months or more by mutual consent in writing based on such consideration as may be agreed at the time of renewal. The parties may amend this agreement in writing.
3. In consideration of receiving services of waste-collection and waste-management, the Developer agrees to pay such user fees to waste-pickers as maybe finalized with them at time of commencement of services directly or through such facilitation mechanisms as may be mutually agreed. The Developer shall ensure the timely payment of user fees to waste-pickers and /or shall ensure that the person/ entity in charge of administration of the site shall make such timely payments in case of transfer of administration / ownership to a CHS, Apartment Condominium etc. The Developer may be substituted as party to this Agreement by such person/entity on mutual consent in writing upon transfer of rights / administration of the Site.
4. Notices: Any notice required or permitted to be given under this Agreement shall be in writing, shall be deemed duly given if delivered in person or if sent by registered Post, return receipt requested, on the address stated hereinabove.
5. It is agreed by and between the Parties that either party shall be entitled to terminate this agreement by giving 30 days written notice to the other party. However, the services received from waste-pickers, before the cancellation of this contract, shall be settled in monetary terms with them forthwith.
6. All disputes shall be referred to sole arbitration of the chief executive officer or director of the Party No. 2. Arbitration proceedings shall be governed by the Arbitration and Conciliation Act, 1996. Arbitration shall take place in Pune, Maharashtra, India in English.
7. This agreement is subject to Indian Laws and any dispute arising out of the same shall be referred to the courts of appropriate jurisdiction within the city limits of Pune (Maharashtra, India) only.

IN WITNESS WHEREOF, the parties have signed this Agreement on the day and year first above written.

M/s. Chandrarang Developer & Builders Pvt. Ltd

Through Mr. Vijay Pandurang Jagtap (Partner)

(Developer)



SWaCH Cooperative,

Through .....

(Party No. 2)

*A. V. V. V.*



## **Annexure 5- Monitoring Report**

**I) Ambient Air and Noise Monitoring Report**

**II) Soil and Ground Water Monitoring Report**





## TEST REPORT

Report No:	EHSM/2023/Jun/R-152	Issue Date	12/06/2023		
Name and Address of Customer	Chandrarang Serenity by M/s. Chandrarang Developers & Builders Pvt. Ltd., S.No 253/2, (Plot-B) Wakad Tal. Mulshi Dist. Pune				
Sample Name	Air	Sample Description	Ambient Air		
Date of Sampling	05/06/2023	Sampling duration	1440 Min		
Sampling Location	Near Main Gate	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I		
Dry bulb temperature	33°C	Wet bulb temperature	27°C		
Relative Humidity	54%	Sampling done by	EHS Matrix Pvt. Ltd., Pune		
Start Date of Analysis	07/06/2023	End Date of Analysis	12/06/2023		
<b>Results</b>					
Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide(SO <sub>2</sub> )	18.0	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO <sub>2</sub> )	23.4	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM <sub>10</sub>	64.0	µg/m <sup>3</sup>	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM <sub>2.5</sub>	36.0	µg/m <sup>3</sup>	≤ 60	
5	Carbon Monoxide (CO)	0.66	mg/m <sup>3</sup>	≤ 04	
<b>Remark-</b> All above results is within National Ambient Air Quality Standards.					



  
Authorized Signatory  
Mr. Rahul Patil  
(Director)



# EHS MATRIX

PRIVATE LIMITED

Sr. No.30/7, Office No. 202, 203, Chintamani Industrial Estate,  
Near Dran Company, Dhayari, Pune - 411041, Maharashtra, India.  
+91 91585 60571 / +91 95796 84751 / +91 90961 85285  
www.ehsmatrix.co.in ehsmatrixpune@gmail.com

## TEST REPORT

Report No:	EHSM/2023/Jun/R-153	Issue Date	12/06/2023		
Name and Address of Customer	Chandrarang Serenity by M/s. Chandrarang Developers & Builders Pvt. Ltd., S.No 253/2, (Plot-B) Wakad Tal. Mulshi Dist. Pune				
Sample Name	Noise	Sample Description	Ambient Noise		
Date of Sampling	05/06/2023	Sampling duration	Spot Time		
Sampling done by	EHS Matrix Pvt. Ltd., Pune				
Results					
Sr. No.	Locations	Results dB(A) Day	Results dB(A) Night	Specifications (CPCB Standards dB(A))	Method
1	Near Main Gate	49.0	37.5	55/45	CPCB Guideline
2	Near DG Set	50.3	39.0		
3	Near Construction Site	52.0	42.1		
<b>Remark-</b> ➤ All above Noise level results are within Central Pollution Control Board Standards limit. ➤ Day/Night -55/45 dB.					



  
Authorized Signatory  
Mr. Rahul Patil  
(Director)

Register Office Address :  
C-7, Omkar Kudale Patil Estate, Manik  
Baugh, Sinhgad Road, Pune - 411051.  
+91 20 2435 6133  
+91 90961 85285 / +91 91585 60571

Branch Office Address :  
F-01, Shakuntala Complex,  
Rajarampuri, 4th Lane,  
Kolhapur - 416008.  
+91 98343 07334

CERTIFICATIONS :  
ISO 9001 : 2015  
ISO 14001 : 2015  
ISO 45001 : 2018





## TEST REPORT

Report No:	EHSM/2023/Jun/R-154	Issue Date	12/06/2023
Name and Address of Customer	Chandrarang Serenity by M/s. Chandrarang Developers & Builders Pvt. Ltd., S.No 253/2, (Plot-B) Wakad Tal. Mulshi Dist. Pune		
Sample Name	Soil	Sample Description	Soil
Date of Sampling	05/06/2023	Sampling Time	13.40 PM
Sampling Location	At Construction site	Sampling Procedure	--
Sampling done by	EHS Matrix Pvt. Ltd., Pune	Sample Quantity	01 Kg
Start Date of Analysis	07/06/2023	End Date of Analysis	12/06/2023

## Results

Sr. No.	Parameters	Results	Unit(s)	Methods
1	Soil Texture			Manual Of Soil Testing
	a) Sand	33	%	
	b) Silt	21	%	
	c) Clay	46	%	
2	pH at 25°C	7.8	--	IS 2720(Part 26) 1987
3	EC at 25°C	413.0	µS/cm	IS 14767 : 2000
4	Moisture Content	8.0	%	Manual Of Soil Testing
5	Organic Matter	0.745	%	IS 2720(Part 22) 1972
6	Cation Exchange Capacity	0.610	meq/100g	IS 2720(Part 22) 1972
7	Potassium (as K)	154.0	mg/Kg	Manual Of Soil Testing
8	Available Phosphorus	41.0	mg/Kg	Manual Of Soil Testing
9	Available Nitrogen	173.0	mg/Kg	Manual Of Soil Testing
10	Water Holding	54.0	%	Manual Of Soil Testing
11	Calcium (as Ca)	58.0	mg/Kg	Manual Of Soil Testing
12	Magnesium (as Mg)	50.0	mg/Kg	Manual Of Soil Testing
13	Lead (as Pb)	<1.0	mg/Kg	Manual Of Soil Testing
14	Copper (as Cu)	1.2	mg/Kg	Manual Of Soil Testing
15	Zinc (as Zn)	1.5	mg/Kg	Manual Of Soil Testing
16	Cadmium (as Cd)	<1.0	mg/Kg	Manual Of Soil Testing
17	Iron (as Fe)	4.8	mg/Kg	Manual Of Soil Testing
18	Manganese (as Mn)	3.0	mg/Kg	Manual Of Soil Testing

Remark-



  
Authorized Signatory  
Mr. Rahul Patil  
(Director)

Page 01 of 01

Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India.  
S.O. 3511 (E), Dated 24<sup>th</sup> August 2021 valid till 9<sup>th</sup> September 2023.

Register Office Address :  
C-7, Omkar Kudale Patil Estate, Manik  
Baugh, Sinhgad Road, Pune - 411051.  
+91 20 2435 6133  
+91 90961 85285 / +91 91585 60571

Branch Office Address :  
F-01, Shakuntala Complex,  
Rajarampuri, 4th Lane,  
Kolhapur - 416008.  
+91 98343 07334

CERTIFICATIONS :  
ISO 9001 : 2015  
ISO 14001 : 2015  
ISO 45001 : 2018





# EHS MATRIX

PRIVATE LIMITED

Sr. No.30/7, Office No. 202, 203, Chintamani Industrial Estate,  
Near Dran Company, Dhayari, Pune - 411041, Maharashtra, India.

+91 91585 60571 / +91 95796 84751 / +91 90961 85285

www.ehsmatrix.co.in ehsmatrixpune@gmail.com

## TEST REPORT

Report No:	EHSM/2023/Jun/R-155	Issue Date	12/06/2023
Name and Address of Customer	Chandrarang Serenity by M/s. Chandrarang Developers & Builders Pvt. Ltd., S.No 253/2, (Plot-B) Wakad Tal. Mulshi Dist. Pune		
Sample Name	Water	Sample Description	Ground Water
Date of Sampling	05/06/2023	Sampling Time	13.50 PM
Sampling Location	--	Sampling Procedure	APHA 1060
Sampling done by	EHS Matrix Pvt. Ltd., Pune.	Sample Quantity	02 L
Start Date of Analysis	07/06/2023	End Date of Analysis	12/06/2023

### Results

Sr. No.	Parameters	Results	Unit(s)	Requirement (Acceptable Limit)	Methods
1	Colour	<1.0	Hazen	Max5	APHA 2120 B, 23 <sup>rd</sup> Ed.2017
2	Turbidity	<1.0	NTU	Max 1	APHA 2130 B, 23 <sup>rd</sup> Ed.2017
3	pH at 25°C	7.12	--	6.5 to 8.5	APHA 4500 H+ A, 23 <sup>rd</sup> Ed.2017
4	EC at 25°C	443.0	µS/cm	--	APHA 2510 B, 23 <sup>rd</sup> Ed.2017
5	Total Dissolved Solids TDS	335.0	mg/L	Max 500	APHA 2540 C, 23 <sup>rd</sup> Ed.2017
6	Total Hardness (as CaCO <sub>3</sub> )	88.0	mg/L	Max 200	IS 3025 (Part 21)
7	Total Alkalinity (as CaCO <sub>3</sub> )	72.0	mg/L	Max 200	IS 3025 (Part 23)
8	Sulphate (as So <sub>4</sub> )	63.0	mg/L	Max 200	IS 3025 (Part 24)
9	Chloride ( as Cl)	70.0	mg/L	Max 250	APHA 4500 Cl-, 23 <sup>rd</sup> Ed.2017
10	Calcium (as Ca)	31.0	mg/L	Max 75	IS 3025 (Part 40)
11	Magnesium (as Mg)	22.0	mg/L	Max 30	IS 3025 (Part 46)
12	Nitrate( as NO <sub>3</sub> )	<1.0	mg/L	Max 45	APHA 4500 NO <sub>3</sub> , 23 <sup>rd</sup> Ed.2017
13	Fluoride (as F)	<0.9	mg/L	Max 1.0	APHA 4500 F, 23 <sup>rd</sup> Ed.2017
14	Residual Free Chlorine	0.30	mg/L	Min0.2	APHA 4500 Cl, 23 <sup>rd</sup> Ed.2017
15	Iron (as Fe)	<0.1	mg/L	Max 0.3	APHA 3111, 23 <sup>rd</sup> Ed.2017
16	Total Coliform	Absent	MPN/100ml	<2	IS 1622:1981
17	E. coli	Absent	MPN/100ml	<2	IS 1622:1981

Remark- The above water sample is Comply with required limit as per IS 10500:2012.



Authorized Signatory  
Mr. Rahul Patil  
(Director)

Page 01 of 01

Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India.  
S.O. 3511 (E), Dated 24<sup>th</sup> August 2021 valid till 9<sup>th</sup> September 2023.

Register Office Address :  
C-7, Omkar Kudale Patil Estate, Manik  
Baugh, Sinhgad Road, Pune - 411051.  
+91 20 2435 6133  
+91 90961 85285 / +91 91585 60571

Branch Office Address :  
F-01, Shakuntala Complex,  
Rajarampuri, 4th Lane,  
Kolhapur - 416008.  
+91 98343 07334

CERTIFICATIONS :  
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ISO 14001 : 2015  
ISO 45001 : 2018

## **Annexure 6- Environment Management Cell**

## Environment Management Cell during Construction Phase

#	Condition	Mode of Compliance	Action by
1	Validity of Consent	Apply in time	Site Manager/ MR
2	Sewage Quantity	Measure, Minimize	Site Manager/ MR
3	Water Input	Repair Meters, Cess Returns	Site Manager/ MR
4	Solid waste	Segregation/ disposal	Site Manager/ MR
5	Nuisance	Odor & Noise Control	Site Manager/ MR
6	Monitoring /compliance report	Ground water, Ambient Air quality, Soil, Noise, D.G stack	By MOEF approved lab
7	Heath & Sanitization	Pest Control, Medical Health checkup camps	Site Manager/ MR
8	Env. Audit	Regular Data	Site Manager/ MR
9	CER Activities	Implementation of CER activities under local administration	Site Manager/ MR
*MR : Management Representative			



## Environment Management Cell during Operation Phase

#	Condition	Mode of Compliance	Action by
1	Validity of Consent	Apply in time	Secretary /AMC
2	Sewage Quantity	Measure, Minimize, recycle	Operator
3	Water Input	Repair Meters, Cess Returns	Operator, Secretary
4	Solid waste	Segregation/ disposal	Operator /AMC
5	Nuisance	Odor & Noise Control	Operator /AMC
6	Monitoring/ compliance report	Ground water, Treated water, Ambient Air quality, Soil, Noise, D.G stack	MOEF approved lab
7	Energy Conservation	Solar lights, solar water heater etc	Secretary
8	Env. Audit	Regular Data	Operator, Secretary

## **Annexure 7- EMP Budget**

## Annexure 10 - Environmental Management Plan Budget

### During Construction Phase:

#.	Particulars	Cost	
		Capital Cost (Lacs)	O & M Cost (Lacs)
1.	Drinking Water	1	0.10
2.	Sanitation	12.5	0.75
3.	Health check up	1	0.25
4.	Labour Camp Management	3	0.50
5.	Environmental monitoring	-	2.50
	<b>Total Cost</b>	<b>17.5</b>	<b>4.1</b>

### During Operation Phase

#.	Particulars	Cost		Manpower For O & M
		Capital Cost (Lacs)	O & M Cost (Lacs)	
1.	STP	60.00	10.0	One Operator, One Helper
2.	RWH System	5.30	0.50	Same helper use
3.	Environmental Monitoring	-	3	MOEF Approved lab
4.	Solid Waste Management	15.00	3.00	One Operator, One Helper
5.	Energy Conservation	38	0.75	Out sourced
6.	Landscaping	14.8	1.5	One Gardener
	<b>Total Cost</b>	<b>133.1</b>	<b>18.75</b>	

## **Annexure 8- EC Advertisement**

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प्रभात

पुणे, मंगळवार, दि. १७ सप्टेंबर २०१९

TIMES NATION

THE TIMES OF INDIA, PUNE  
WEDNESDAY, SEPTEMBER 18, 2019

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## जाहीर नोटीस

## संबंधित संस्था / विभागांकरीता माहिती

तमाम लोकांस कळविण्यात येते की, 'मे. चंद्ररंग डेव्हलपर्स आणि बिल्डर्स प्रायव्हेट लिमिटेड,' यांना त्यांच्या सर्व्हे नं. २५३/२, प्लॉट - ब, गाव-वाकड, ता. मुळशी, जि. पुणे ४११०५७ येथील प्रस्तावित बांधकाम प्रकल्पासाठी स्टेट एन्विरॉन्मेंटल इम्पॅक्ट असेसमेंट अथॉरिटी (SEIAA), महाराष्ट्र यांच्याकडून दिनांक १३ सप्टेंबर २०१९ रोजी पर्यावरणविषयक परवाना (एन्विरॉन्मेंटल क्लीअरन्स) मिळाला आहे.

सदर परवान्याची प्रत [www.ecmpcb.in](http://www.ecmpcb.in) या संकेतस्थळावर उपलब्ध आहे.

पुणे, दिनांक १६/०९/२०१९

मे. चंद्ररंग डेव्हलपर्स आणि बिल्डर्स प्रा. लि.

पिंपळे गुरव, पुणे

(सं.प्र. ११०७२०००)

PUBLIC NOTICE  
TO WHOMSOEVER IT MAY CONCERN

This is to declare that, M/s. Chandrarang Developer & Builders Pvt. Ltd. has been granted Environmental Clearance for their proposed Building Construction Project at S.No. 253/2, Plot No. B, village Wakad, Taluka: Mulshi Dist. Pune Maharashtra - 411057 from State Environmental Impact Assessment Authority (SEIAA), Maharashtra on 13<sup>th</sup> September 2019

The Environmental Clearance letter is available at [www.ecmpcb.in](http://www.ecmpcb.in) website.

Pune, Date : 17/09/2019

sd/-

Adv. S. V. Kolsepatil,

206, Lunawat Plaza, 3<sup>rd</sup> Floor, Shivajinagar, Pune 411 005.  
Ph. No. 020-25535225 (Office).