

Date: 04.12.2023

To,
Regional Officer,
Maharashtra Pollution Control Board
Kalpataru Point, 1st floor,
Opp.PVR Theatre, Sion (E),
Mumbai-400022.

Sub: Submission of Compliance Report for Proposed Residential cum commercial project with SRA scheme at village Chembur (Rahulnagar), Mumbai. Maharashtra.

Ref: 1.Environmental Clearance SEAC-2014/CR-08/TC-1 Dt. 04.09.2014.
2. Amendment in EC: SIA/MH/MIS/188895/2020 dated 24.06.2021.
3. Amendment in EC: EC22B038MH175465 dated 10.08.2022.

Dear Sir,

This is with reference to Environmental Clearance Letter SEAC-2014/CR-08/TC-1 Dated 04.09.2014, Amendment in EC. SIA/MH/MIS/188895/2020 dated 24.06.2021 and Amendment in EC: EC22B038MH175465 dated 10.08.2022 from Department of Govt. of Maharashtra.

We are enclosing here with the detailed Compliance report (from April 2023 to September 2023) along with dully filed data sheet.

Thanking you,
Yours faithfully,
For M/s Raunak Jigna Associates



Authorized Signatory

Enclosed: Copy of Compliance Report for the period of April 2023 to September 2023.

Cc:

1. Environment Department, Mantralaya, Mumbai
2. Director, MoEF, Nagpur

Date:04:12:2023

To,
Principal Secretary, SEIAA,
Environment Department,
Mantralaya,
Mumbai - 400032

Sub: Submission of Compliance Report for Proposed Residential cum commercial project with SRA scheme at village Chembur (Rahulnagar), Mumbai. Maharashtra.

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Cc:

1. Regional Office, MPCB, Sion Mumbai
2. Director, MoEF, Nagpur

Date:04.12.2023

To,
Ministry of Environment, Forest & Climate Change,
Integrated Regional office (WCZ),
Ground Floor E wing,
New Secretariat Building, Civil Line,
Nagpur 440 001.

Sub: Submission of Compliance Report for Proposed Residential cum commercial project with SRA scheme at village Chembur (Rahulnagar), Mumbai. Maharashtra.

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Cc:

1. Regional Office, MPCB, Sion, Mumbai
2. Environment Department, Mantralaya, Mumbai

COMPLIANCE REPORT

(APRIL 2023 TO SEPTEMBER 2023)

For

PROPOSED RESIDENTIAL CUM COMMERCIAL DEVELOPMENT “RAUNAK JIGNA ASSOCIATES”

(ENVIRONMENTAL CLEARANCE LETTER NO. SEAC-2014/CR-08/TC-1 DATED 04.09. 2014

AMENDMENTS IN EC VIDE LETTER NO. SIA/MH/MIS/188895/2020 DATED 24.06.2021)

(AMENDMENT IN EC:. EC22B038MH175465 DATED 10.08 2022)

**On plot CS No. 126 pt, Village Chembur, Mumbai
Maharashtra**

Proposed By

M/s RAUNAK JIGNA ASSOCIATES

Project Details

Sr. No.	Particulars	Details							
1	Project type :River- valley/mining /Industry/Thermal/Nuclear/other(specify)	Construction Project							
2	Name of the Project	Proposed Residential cum Commercial development “ Raunak Jigna Associates ”							
3	Clearance letter(s)/OM and Date	Environmental Clearance vide letter No. SEAC-2014/CR-08/TC-1 dated 4.09.2014 Amendment in EC : SIA /MH /MIS 188895/2020 dated 24.06.2021 Amendment in EC: EC22B038MH175465 dated 10.08.2022.							
4	Location	Plot bearing CTS No. 126 pt, Rahul Nagar2, Village: Chembur, Tal, Kurla (L ward), Mumbai.							
	a) District(s)	Mumbai							
	b) State(s)	Maharashtra							
	c) Latitude/Longitude	N 19°03’03.67” E 72°52’43.85”							
5	Address of correspondence								
	a) address of concerned Project Chief Executive (with pin code & telephone/telex/fax numbers)	Name: Rajan Bandelkar Address: Raunak Group Plot No.1, Mohan Mill Compound, Ghodbunder Road, Thane (W) - 4000607 Tel: 022- 25847000 Email: raunakgroup@gmail.com							
	b) Address of Executive Project Engineer/Manager(with pin code/fax numbers)	Same as above							
6	Salient features								
	a) of the Project -	<table><tr><th>Building Details</th><th>Building Configuration</th></tr><tr><td>Rehab bldgs. A,B,C</td><td>3 Basement +Gr.+23 Upper Floors.</td></tr><tr><td rowspan="2">Sale Bldgs.</td><td>Wing D-3 Basement +Gr.+30 Upper Floors.</td></tr><tr><td>Wing E-3 Basement +Gr.+30 Residential Upper Floors.</td></tr></table> Flats 1284 and Shops :49 and Amenities	Building Details	Building Configuration	Rehab bldgs. A,B,C	3 Basement +Gr.+23 Upper Floors.	Sale Bldgs.	Wing D-3 Basement +Gr.+30 Upper Floors.	Wing E-3 Basement +Gr.+30 Residential Upper Floors.
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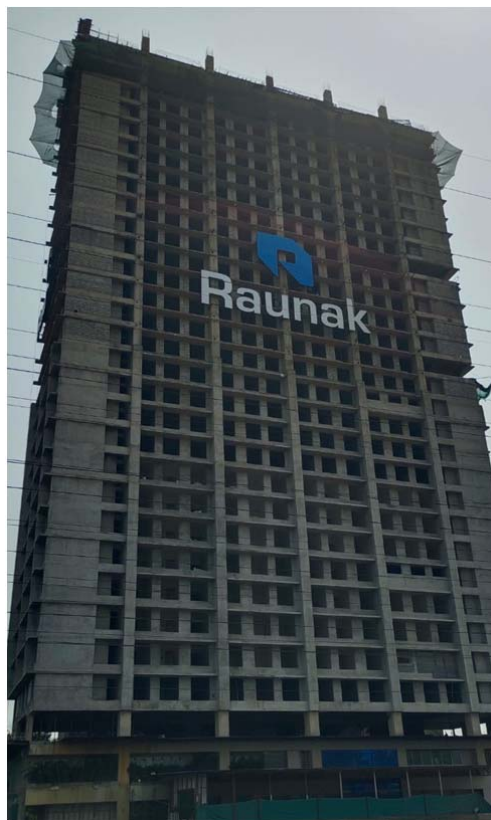
	b) of the Environmental Management Plan	Details of the Sewage Treatment Plant of total 920 m ³ capacity, Solar Hot water system , Rain Water Harvesting and Solid waste management through OWC are given in Annexure	
7	Break up of the project area		
	a) submergence area : forest & non-forest	NA	
	b) Others	Total Plot area: 12,420.00 m ²	
		FSI area	64,322.88 m ²
		Non FSI area	60,280.88 m ²
		Total Construction Area	1,24,603.76 m ²
8	Break up of the project affected population with enumeration of those losing houses/dwelling unit only agricultural land only, both dwelling units & agricultural land & landless laborers/		
	a) SC, ST / Adivasis	N.A.	
	b) others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey carried out gives details and years of survey)	N.A.	
9	Financial details:		
	a) Project cost as originally planned and subsequent revised estimates and the year of price reference	Rs. 378 Crore	
	b) Allocation made for environmental management plans with item wise and year wise break-up	Construction Cost	1134 Lakhs
		Operation & Maintenance Cost	138 Lakhs/yr
	c) Benefit cost ratio/Internal rated of Return and the year of assessment	N.A.	
	d) Whether (c) includes the cost of environmental management as shown in the above	N.A.	
	e) Actual expenditure incurred on the environmental management plans so far	N.A.	
10	Forest land requirement	No Forest Land Required.	
	a) The status of approval for diversion of forest land for non-forestry use	N.A.	
	b) The status of clearing felling	N.A.	
	c) The status of compensatory	N.A.	
	d) afforestation, if any	N.A.	

	e) Comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far	N.A.
11	The status of clear felling in non-forest area (such as submergence area of reservoir, approach roads), if any with quantitative information	N.A.
12	Status of construction	
	a) Date commencement (Actual and/or planned)	
	b) Date of completion (Actual and/or planned)	
13	Reasons for the delay if the project is yet to start	NA
14	Dates of site visits	
	a) The dates on which the project was monitored by the Regional office on previous occasions, if any	Site not yet visited by official of MoEF Regional Office, Nagpur.
	b) Date of site visit for this monitoring report	Not yet finalized.
15	Details of correspondence with project authorities for obtaining action plans/information on status of compliance to safeguards other than the routine letters for logistic support for site visits) (The first monitoring report may contain the details of all the letters issued so far, but the later reports may cover only the letters issued subsequently)	Environmental Clearance vide letter No. SEAC-2014/CR-08/TC-1 dated 4.09.2014 Amendment in EC : SIA /MH /MIS 188895/2020 dated 24.06.2021 Amendment in EC: EC22B038MH175465 dated 10.08.2022. Received from government of Maharashtra

**PRESENT STATUS OF RESIDENTIAL CUM COMMERCIAL PROJECT AT RAHUL
NAGAR, VILLAGE: CHEMBUR, TAL, KURLA (L WARD), MUMBAI.**

Building name	Work Status
Rehab Building A	21 th floor slab completed. Block work 19 th floor completed. External plaster completed up to 6 th floor. Internal finishing completed up to 6 th floor complete.
Rehab Building B	21 th floor slab completed. Block work 19 th floor completed. External plaster completed up to 6 th floor. Internal finishing completed up to 6 th floor complete.
Rehab Building C	21 th floor slab completed. Block work 19 th floor completed. External plaster completed up to 6 th floor. Internal finishing completed up to 6 th floor complete.
Sale Building D	Terrace floor slab completed. Block work up to 27 th floor completed. External plaster completed up to 14 th floor.

SITE PHOTOGRAPHS



Compliance to Environmental Clearance letter No.: EC22B038MH175465 dated 10.08.2022

SPECIFIC CONDITIONS		
A. SEAC CONDITIONS:-		
	Conditions	Compliance
1.	PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.	We have submitted the approval plan during the meeting accordingly committee has granted environmental clearance.
2.	PP to obtain following revised NOCs as per amended planning: a) CFO NOC; b) Tree NOC; c) Civil Aviation NOC.	We have obtained the said NOC's and submitted during the appraisal of the project.
3.	PP to submit detail calculations of 150 KLD excess water, which is shown for park reservation in water balance chart.	Noted
4.	PP to reduce discharge of treated water up to 35%. PP to submit undertaking from concerned authority/agency/third party regarding use of excess treated water.	Noted and will complied
5.	PP to submit details of trees to be planted in proposed Miyawaki with in the project site & includes the cost of same in EMP.	Will complied
6	PP to provide air purification system in addition to basement ventilation plan & include the cost of same in EMP.	We agree
7	PP to provide portable STP for workers during construction phase. PP to adopt water conservation measures in operation phase by providing Low Flow Devices (LFD) as plumbing fixtures. Accordingly, revise EMP of Construction & Operation phase.	We have provided LED & sensors as water conservation measures for Operational phase and potable STP for workers during the construction phase.

B. SEIAA CONDITIONS:-		
1.	PP to keep open space unpaved so as to ensure permeability of water. However, whenever paving is deemed necessary, PP to provide grass pavers of suitable types & strength to increase the water permeable area as well as to allow effective fire tender movement.	Noted and will complied
2.	PP to achieve at least 5% of total energy requirement from solar/other renewable sources.	We agree and will complied
3.	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.	We agree
4.	SEIAA after deliberation decided to grant EC for FSI 64,322.88 m ² , Non FSI-60,280.88 m ² , and Total BUA-124603.76 m ² . (Plan approval No., SRA/ENG/2655/L/STGL/AP, Dated. 16.11.2021).	We agree
General Conditions		
A. Construction Phase:-		
(i)	The solid waste generated should be properly collected and segregated, Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material	Solid waste generated is properly collected and segregated. Dry waste is handed over to Municipal corporation bin.
(ii)	Disposal of muck, Construction spoils, including bituminous material 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 the approved sites with the approval of competent authority.	<p>The muck is disposed with the permissions of competent authority at approved site.</p> <p>As a precaution, we have barricaded about 10 feet above ground level to create general safety and health aspects of people.</p> <p>Re-utilization strategy for construction debris is followed. Recycled aggregate is used for filling application.</p>
(iii)	Any hazardous waste generated during construction phase should be disposed of as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	<p>No hazardous waste generated during construction and operation phase. As it is Residential project.</p> <p>However, the disposal of the same shall be done as per CPCB /MPCB norms applicable to hazardous waste.</p>

(iv)	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 and sanitary facilities is provided to workers. The waste generated from the labour is mostly household waste, which is collected and disposed in Municipal Solid Waste Management Facility.
(v)	Arrangement shall be made that waste water and storm water do not get mixed.	The Storm water drains and sewer lines shall be separately provided on site. This arrangement shall ensure that storm water and sewage will not mix.
(vi)	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices.	Complying the same by use of pre-mixed concrete, curing agents and other best practices in NBC.
(vii)	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	The drinking water quality is monitored through MoEF recognized laboratory. Copy of the monitoring report is attached. We are not using ground water for construction purpose as well as operational phase.
(viii)	Permission to draw ground water for construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project,	We are not using ground water in the project.
(ix)	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	Water efficient sanitary fixtures will be provided.
(x)	The Energy Conservation Building code shall be strictly adhered to.	We agree
(xi)	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	Top layer of soil is not reused as project is redevelopment project.

(xii)	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	Natural drainage system of area is not disturbed. The construction is done by taking advantage of natural contour.
(xiii)	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 water analysis is carried regularly from MoEF recognized laboratory. Copy of the monitoring report is attached.
(xiv)	PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 as amended during the validity of Environment Clearance.	Noted
(xv)	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 of 500 kVA capacity are provided on site. The D. G. set is enclosed type and as per CPCB norms.
(xvi)	PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 as amended during the validity of Environment Clearance	We agree
(xvii)	Vehicles hired for transportation of Raw material shall strictly comply the emission norms prescribed by Ministry of Road Transport & Highways Department. The vehicle shall be adequately covered to avoid spillage/leakages.	Regular maintenance of construction vehicles is carried out to keep them in good condition. The vehicles having PUC certificate is used. Adequate parking space is also be made for construction vehicles inside the construction premises to lessen the impacts on traffic in surrounding areas.

(xviii)	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.	The noise levels as well as air pollution was monitored regularly from MoEF recognized laboratory. Copy of the monitoring report is attached with compliance report.
(xix)	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during construction 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 is preferred. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	We have complied to above & make necessary arrangements. The DG sets are provided as emergency back for lift, common area, pumps etc. The DG set shall confirm the guidelines prescribed by CPCB and rules made under the Environment (Protection) Act 1986.
(xx)	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 by a separate environment cell /designated person.	The regular supervision is carried out by the project in-charge and supervisors are trained in Environmental Management measures.
B). Operation Phase:-		

(i)	<p>a) The solid waste generated should be properly collected and segregated.</p> <p>b) Wet waste 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.</p> <p>c) Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.</p>	<p>Solid waste shall be collected and segregated at source. Wet garbage will be treated in Mechanical composting machine and generated manure is used for the Gardening. Dry solid waste will be disposed of in municipal solid waste management system.</p>
(ii)	<p>E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.</p>	<p>E-Waste generated from Household will be disposed through authorized vendor.</p>
(iii)	<p>a) 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. Treated effluent emanating from STP shall be recycled reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.</p> <p>b) PP to give 100% treatment to sewage /Liquid waste and explore the possibility to recycle at least 50 % of water, Local authority should ensure this.</p>	<p>STP will be certified by an independent expert. Sewage is treated up to tertiary level. The treated sewage shall be reused for gardening and flushing purpose.</p> <p>The dual plumbing system will be provided at site to recycle the treated water for flushing purpose</p> <p>Rehab "A" "B" & "C" building STP work is completed and started for operation. Sale building "D" RCC work completed.</p>

(iv)	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.	STP, MSW disposal and greenbelt facility shall be provided on site before occupation.
(v)	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.	We agree.
(vi)	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.	The site is accessible by Sewri Chembur Road which connects to Eastern Express Highway abutting project site. Entry & Exit to the project are located in such way that it won't affect traffic on the adjoining roads. Also sufficient parking space has been provided in proposed layout of the project.
(vii)	PP to provide adequate electric charging points for electric vehicles (EVs).	We agree
(viii)	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	Landscape will be developed considering CPCB guidelines including selection of plant species. The tree species which planted will be of local variety.
(ix)	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards	At present project head himself is managing environment issues. However, the Cell shall be formed and it shall be responsible for necessary environmental safeguards.

(x)	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.	Separate funds are allocated for implementation of environmental protection measures. Break - up of EMP budget is attached The funds for implementation of environmental protection measures/EMP are provided as per planned requirement.
(xi)	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://parivesh.nic.in	Copy of the advertisement was published in two local newspapers Navshakti and Free Press Journal.
(xii)	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.	We have submitted the half yearly compliance reports to RO MPCB, Environment Department, Mumbai, RO MoEF & CC, Nagpur.
(xiii)	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.	Noted and Complied.

(xiv)	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.	We have uploaded the status of compliance of the stipulated EC conditions, including results of monitored data. The monitoring Reports are sent with Compliance reports to RO MPCB, Environment Department, Mumbai, RO MoEF & CC, Nagpur.
C). General EC Conditions:-		
(i)	PP has to strictly abide by the conditions stipulated by SEAC & SEIAA.	We agree and complying the conditions stipulated by SEAC & SEIAA.
(ii)	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 obtained from MPCB vide letter no format 1.0/BO/ROHQ/MU-6303-14/CE/CC-2192 date 27.02.2015 We have applied for the renewal and expansion of the c to Establish and part –I Consent to operate to the MPCB
(iii)	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.	We agree
(iv)	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.	The monitoring Reports are sent with Compliance reports to RO MPCB, Environment Department, Mumbai, RO MoEF & CC, Nagpur.

(v)	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.	Six monthly reports regarding the status of compliance of EC conditions are regularly sent to all mandated authorities Noted & will be complied.
(vi)	No further Expansion or modifications, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the SEIAA. In case of deviations or alterations in the project proposal from those submitted to SEIAA for clearance, a fresh reference shall be made to the SEIAA as applicable to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	We agree
(vii)	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

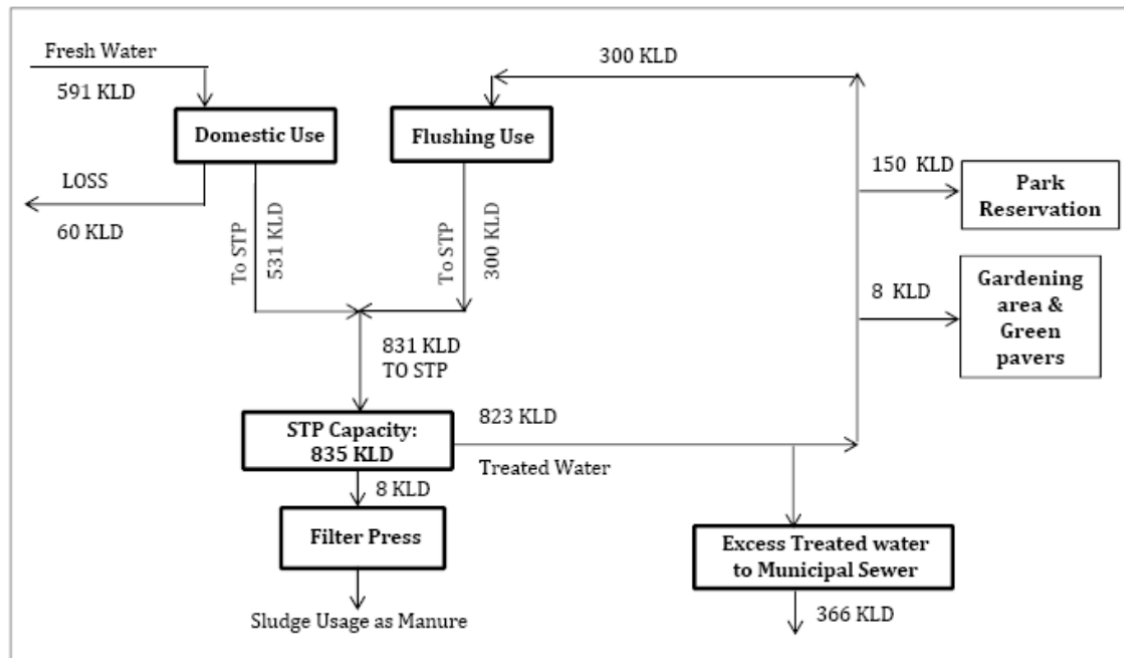
(4)	The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court 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.	We understand the issue and shall be abided accordingly
(5)	This Environment Clearance is issued purely from an environment point of view without prejudice to any court cases and all other applicable permissions/ NOCs shall be obtained before starting proposed work at site.	Noted
(6)	In case of submission of false document and noncompliance of stipulated conditions, Authority/ Environment department will revoke or suspend the environmental clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.	We understand the issue and shall be abided accordingly
(7)	Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended time to time.	Noted

(8)	The above stipulations would be enforced among others under the Water (Prevention and control of pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.	Noted
(9)	Any appeal against this environmental clearance shall lie with the National Green Tribunal ,(Western Zone Bench, Pune) ,New Administrative Building, 1 st Floor, D- Wing, Opposite Council Hall, Pune, if preferred ,within 30 days as prescribed under Section 16 of the National Green Tribunal Act ,2010.	Noted

ANNEXURE – I

WATER BALANCE CHART

Particulars	No of Flats /Shops / Amenities/ Area (sqm)	Occupancy	Total Population	Water Requirement Basis (in lpcd)*		Total Water Requirement/ person	Water Demand KLD
				Domestic	Flushing		
Residential Flats (Bldg. A to E)	1282	5	6410	90	45	135	865
Commercial	49	3	147	25	20	45	7
Wing A,B,C (Amenities - Existing Amenity, Balwadi, Society Office, Welfare Centre, Amentity-1, Amenity-2, Community Hall)	28	3	84	25	20	45	4
Wing D (Indoor Activities, Mini Theatre, Fitness Centre)	641.98 m ²	1 person/10 sqm	64	25	20	45	3
Wing E (Fitness Centre, College Area)	2600 m ²	1 person/10 sqm	260	25	20	45	12
Total			6965				890
Sewage Generation				90 % of Domestic & 100 % of Flushing Requirement			831
Sludge Generation				1 % of Sewage Generation			8
Recycling for Flushing							
Residential Flats (Bldg. A to E)	1282	5	6410		45	45	288
Commercial	49	3	147		20	20	3
Wing A,B,C (Amenities - Existing Amenity, Balwadi, Society Office, Welfare Centre, Amentity-1, Amenity-2, Community Hall)	28	3	84		20	20	2
Wing D (Indoor Activities, Mini Theatre, Fitness Centre, Dance Hall, Banquet Hall)	641.98	1 person/10 sqm	64		20	20	1
Wing E (Fitness Centre, College Area)	2600	1 person/10 sqm	260		20	20	5
Total			6965				300
Recycling for Gardening (m³)		1,031.66				5 L/m ²	5
Recycling for Green Pavers (m³)		515.83				5 L/m ²	3
To Park Reservation		40,000.00				5 L/m ²	150
Total Recycled Water							457
Excess Treated Water to Municipal Sewer							366



ANNEXURE II

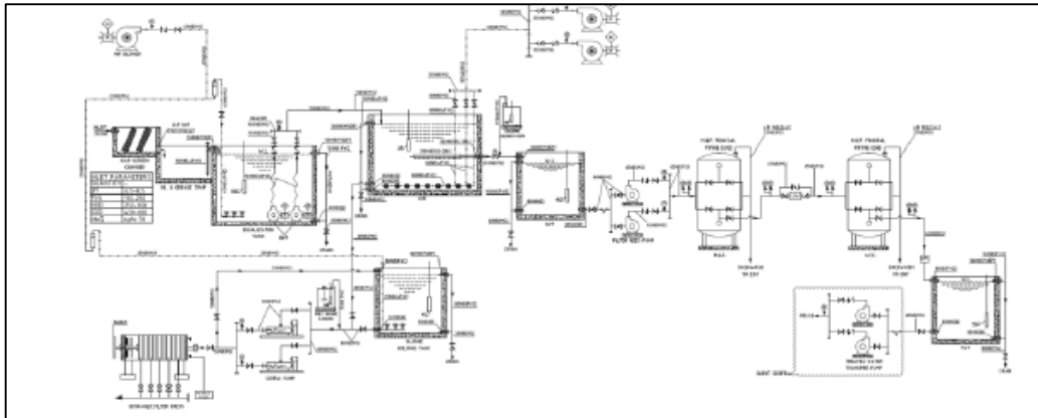
SEWAGE TREATMENT PLANT

STP PROVIDED AT SITE

Sewage generation	831 KLD
STP Provided	3 Nos of having capacity 920 KLD

Buildings	STP Capacity (KLD)	Area provided (m ²)
Rehab (WING A, B, C)	515	300
Sale Wing D	155	100
Sale Wing E	250	130
Total	920	530

STP Flow Chart



STP UNITS

Name of the Unit	Purpose
Bar Screen Chamber	For removing unwanted floating materials
Equalization Tank	To even out the flow variations, and continuous uniform mixing operations with coarse bubble.
Aeration Tank	Activated Sludge Process For developing the bacterial culture, which stabilizes the waste aerators.
Secondary clarifier/Plate settler	To separate out the solids from the treated sewage, And to separate clear supernatant water, Clarifloculator has been proposed with flash mixer to add coagulant to allow more settlement of fine particles.
Pre- Filtration Tank	To collect the supernatant clear water from the settling tank for further treatment.
Filter Press	A Sludge holding tank has been provided with filter press for dewatering sludge. Sludge cakes shall be used as manure.
Pressure Sand Filter	To filter out minute suspended solids if any in the treated water.
Activated Carbon Filter	To remove color and Odor if any in the filtered water.
Final holding tank	To collect the final treated water from the outlet of Activated carbon filter for reuse

ANNEXURE III

SOLID WASTE MANAGEMENT PLAN

- Total Solid waste : 3316 Kg/d
- Wet Garbage: 1990 kg/day.
- Dry Garbage: 1326 kg/day.
- E Waste: 1.0 T/yr, separate storage place is provided for E Waste
- STP Sludge (dry) 8.0
- The biodegradable and non-biodegradable waste will be segregated at source of waste generation. Then Non- biodegradable waste is separately disposed in municipal waste disposal system.
- Biodegradable garbage will be composted using Organic waste converter.
- E Waste will be handed over to the authorized vendor.

ANNEXURE IV

**ENVIRONMENTAL MANAGEMENT PLAN
DURING CONSTRUCTION PHASE**

Sr. No.	Environmental Components	Predicted Impacts	Probable source of Impact	Mitigation Measures	Remarks
CONSTRUCTION PHASE					
1.	Ambient Air Quality	Negative impact inside construction site premises. No negative impact outside site.	Dust emissions from excavation, air emissions from machinery and other construction activities at site.	Dust reduction measures such as road watering. Periodic maintenance of construction equipment. Use of good quality fuels. Use of Personal Protective Equipments	Impacts are temporary during construction phase. Impacts are confined to short distances, as coarse particles are settle within the short distance from activities.
2.	Noise	Negative impact near noise generation sources inside premises. No significant impact on ambient noise levels in the surrounding area.	Noise generated from construction activities and operation of construction equipment and DG sets	Use of well maintained equipment. Heavy construction activity limited to day-time hours only. Use of noise mufflers in and construction vehicle. Use of earplugs/muffs by construction staff.	Temporary impacts during construction phase. No blasting or other high noise activities envisaged.
3.	Water	No significant negative impact.	Surface runoff from project site. Oil/fuel and waste spills. Improper debris disposal. Discharge of sewage from labour camp.	Silt fences to reduce run-off Secondary containment and dykes in material storage areas. Sewage treatment in septic tanks.	Labours are employed to reduce size of labour camps. No perennial surface water resource adjacent to site.

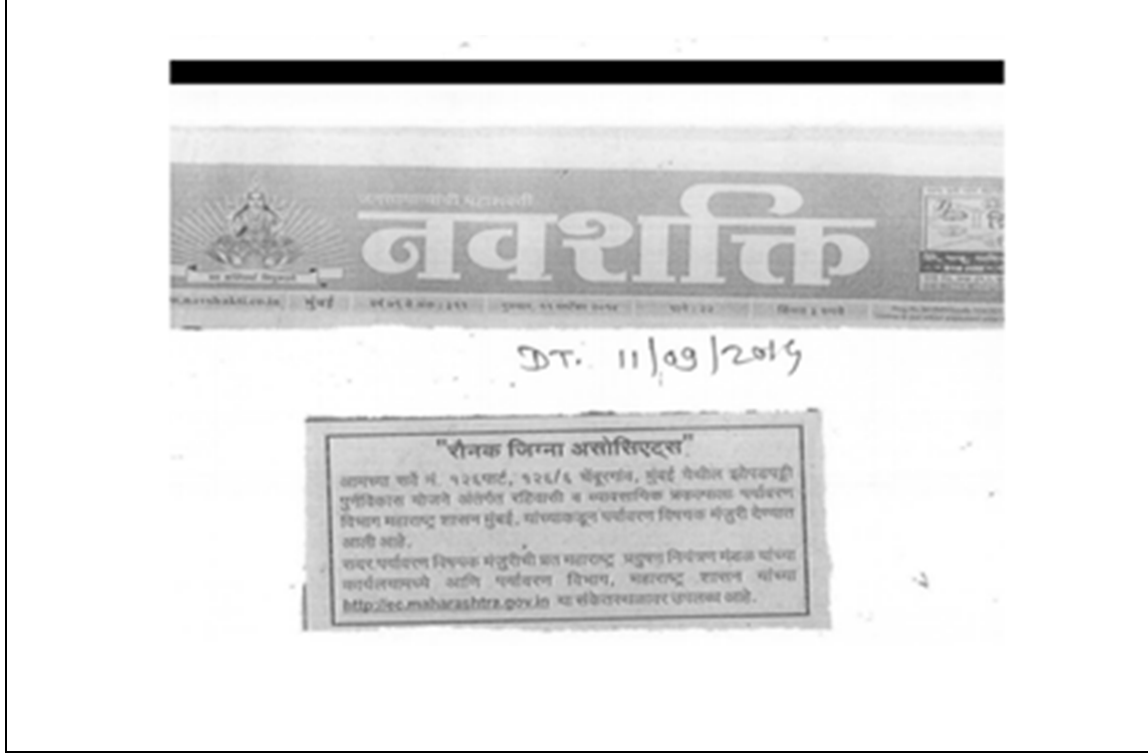
4.	Land	Minor negative impact	Excavation, Construction debris, waste from labour camp.	Reutilization and recycling of construction debris Waste from labour camps was collected and composted on site. Non compostable waste is transported to landfill site. Topsoil is conserved and used for landscaping in functional phase.	-
5.	Aesthetics	Minor negative impacts	Construction activities and Excavation	The impacts is compensated by extensive tree plantation and gardening in the use phase.	Short term impact restricted only in the initial stages of construction.

ANNEXURE V**EMP COST**

Component	Capital Cost (Rs. In Lakhs)	O & M Cost (Rs. In Lakhs/year)
STP (Tertiary)	184	37
Solar System	53	3.0
Rain Water Harvesting	35	2.0
Solid waste Composting plant	80	32
Landscape development	13	3.0
Environmental Monitoring	00	3
DMP Cost	769	60.0
Total Cost	1134	138

ANNEXURE VI

ADVERTISEMENT







Form 59
[See rules 115 and 116]





Netel (India) Limited

ANALYSIS REPORT FOR AMBIENT AIR QUALITY

Name of the Client: M/S RAUNAK JIGNA ASSOCIATES. AT VILLAGE CHEMBUR (RAHULNAGAR), MUMBAI., MAHARASHTRA			Report Date : 23.05.2023		
			Report No : NIL/OT/05/23/236		
			Reference : Verbal Discussion		
			Date of Sampling : 18.05.2023		
			Date of Analysis : 19.05.2023		
			Duration of Monitoring : 8 Hours		
			Sampling Location : Project site		
			Sampling done by : Pristine Consultants		
Sampling Procedure : N(I)L/AIR/SOP-12/13/14					
RESULT					
Sr. No	Parameters	Result	NAAQS Limits	Unit	Method
1	Particulate Matter (PM10)	80.9	100	µg/m ³	IS 5182(part 23): reaffirmed : 2017
2	Particulate Matter (PM2.5)	32.7	60	µg/m ³	Lab SOP No.NIL/AIR SOP/03,based on CPCB Guideline Volume-1: 2011
3	Sulphur Dioxide (SO2)	29.6	80	µg/m ³	IS 5182 Part 2, reaffirmed: 2017
4	Nitrogen Dioxide (NOX)	35.5	80	µg/m ³	IS 5182 Part 6, reaffirmed: 2017

For NETEL (INDIA) LIMITED

Sicile

Lab Incharge





Netel (India) Limited

ANALYSIS REPORT FOR AMBIENT NOISE

Name of the Client:			Report Date : 23.05.2023		
M/S RAUNAK JIGNA ASSOCIATES. AT VILLAGE CHEMBUR (RAHULNAGAR), MUMBAI., MAHARASHTRA			Report No : NIL/OT/05/23/237		
			Reference : Verbal Discussion		
			Date of Monitoring : 18.05.2023		
			Sample Details : Noise sample _ project site		
			Sampling done by : Pristine Consultants		
			Sampling Procedure : As per the Method Reference		
RESULT					
Sr. No	Location	Result dB(A) Day	Result dB(A) Day	Ambient Noise Standards in dB(A)	Method
1	Project Site	56.2	44.8	55*/45*	IS 9876:1981 & Manufacturer Manual, WI/S/5/35&36, Issue no. 3, Issue date 10.04.2014

Remark:

Limit During Day time < 55. (Day time shall mean from 6.00 am to 10.00 pm.)

Limit

During Night time < 45. (Night time shall mean from 10.00 pm to 6.00 am.)

As per Code of practice for Controlling Noise prescribed by Noise Pollution Committee from Sources other than Industries and Automobiles, the maximum noise levels near the construction site should be limited to 75 dB(A) Leq (5 min.) in industrial areas and to 65 dB(A) Leq(5 min.) in other areas.<http://envfor.nic.in/citizen/specinfo/noise.html>

For NETEL (INDIA) LIMITED

S. K. K. K.
Lab Incharge



MoEF Recognized Laboratory





Netel (India) Limited

ANALYSIS REPORT FOR WATER

Name of the Client: M/S RAUNAK JIGNA ASSOCIATES. AT VILLAGE CHEMBUR (RAHULNAGAR), MUMBAI., MAHARASHTRA			Report Date : 23.05.2023		
			Report No : NIL/OT/05/23/238		
			Reference : Verbal Discussion		
			Date of Sampling : 18.05.2023		
			Date of Analysis : 19.05.2023		
			Test Location : Project site		
			Sampling done by : Pristine Consultants		
			Sampling Procedure : IS 3025 (P-1)		
DRINKING WATER SAMPLE RESULT					
Sr. No	Parameter	Result	Unit	IS desirable Limit (As per IS 10500:2012)	Method
PHYSICO-CHEMICAL PARAMETERS					
1	Colour	<5	Hazon	--	IS 3025(part4)
2	Odour	Agreeable	--	--	IS 3025(part5)
3	Taste	Agreeable	--	--	IS 3025(part 8)
4	pH	7.44	--	6.5-8.5	IS 3025 Part11:1983: RA 2017
5	Turbidity	<1	NTU	1	IS 3025 Part 10:1984RA: 2017
6	Alkalinity	144	mg/lit	200	IS 3025 part 23: 1986RA-2019
7	Total Hardness	162	mg/lit	200	IS 3025 (Part 21): 2009 EDTA method, RA: 2019
8	Total Dissolved Solids	174	mg/lit	500	IS : 3025 (Part 16):1984, RA 2017
9	Chloride	3.6	mg/lit	250	IS 3025 (part 32):1988, RA: 2019
10	Calcium	4.8	mg/lit	75	IS 3025(part 40):1991, EDTA method, RA:2019
11	Magnesium	1.8	mg/lit	30	IS 3025(part 46):1999, RA: 2019
12	Sulphate	BDL	mg/lit	200	IS 3025 (Part 24): 1988,RA: 2019
13	Copper	BDL	mg/lit	0.05	APHA 3111 B, 23rdEdition Additional Air-Acetyleneflame AAS method:2017
14	Nitrate	BDL	mg/lit	45	IS : 3025 (Part 34) :1988, RA 2019
BACTERIOLOGICAL TEST					
15	Total Coliform	Absent	MPN/100ml	ABSENT	IS 1622

BDL : Below Detectable Limit

Remark : Test results related only to the sample tested.

: The Complaint register is available with the laboratory as per Environment protection act 1986.

For NETEL (INDIA) LIMITED

S. S. Kere
Lab Incharge





Netel (India) Limited

ANALYSIS REPORT FOR SOIL

Name of the Client:	Report Date : 23.05.2023
M/S RAUNAK JIGNA ASSOCIATES.	Report No : NIL/OT/05/23/238
AT VILLAGE CHEMBUR (RAHULNAGAR), MUMBAI.,	Reference : Verbal Discussion
MAHARASHTRA	Date of Sampling : 18.05.2023
	Date of Analysis : 19.05.2023
	Test Location : Project site
	Sampling done by : Pristine Consultants
	Sampling Procedure : NIL/SOIL/SOP-11

RESULT

Sr. No	Parameter	Result	Unit	Method
1	pH (1:5 Suspension)	7.24	--	IS 2720 Part 26 :1987
2	Moisture	2.7	%	Lab SOP No. NIL/SOP/06 Based on Manual of Soil testing in india, Ministry of Agriculture, GOI: 2011
3	Electrical Conductivity	5.8	Mmhos/cm	IS 14767:2000
4	Organic Carbon	4.4	%	Lab SOP No. NIL/SOP/05 Based on Manual of Soil testing in India, Ministry of Agriculture, GOI: 2011
5	Cation Exchange Capacity	46.6	Meq/100gm	Lab SOP No. NIL/SOP/08 Based on Manual of Soil testing in India, Ministry of Agriculture, GOI : 2011
6	Available Nitrogen	59.6	mg/kg	APHA 4500-Norg-B,23rd Ed 2017
7	Available Phosphorus	44.8	mg/kg	APHA 4500-P,23rd Ed 2017
8	Available Potassium	78.3	mg/kg	Lab SOP No. NIL/SOP/10 Based on Manual of Soil testing in India, Ministry of Agriculture, GOI : 2011
9	Sodium	2.4	mg/kg	Lab SOP No. NIL/SOP/10 Based on Manual of Soil testing in India, Ministry of Agriculture, GOI : 2011
10	Copper	<2	mg/kg	EPA 3050 B Air- Acetylene flame AAS Method : 1996
11	Zinc	<2.5	mg/kg	EPA 3050 B Air- Acetylene flame AAS Method : 1996
12	Total Chromium	<5	mg/kg	EPA 3050 B Air- Acetylene flame AAS Method : 1996
13	Cadmium	<5	mg/kg	EPA 3050 B Air- Acetylene flame AAS Method : 1996
14	Lead	<1	mg/kg	EPA 3050 B Air- Acetylene flame AAS Method : 1996

BDL : Below Detectable Limit

Remark : Test results related only to the sample tested.

For NETEL (INDIA) LIMITED

S. K. Kelle

Lab Incharge

