भारतसरकार
GOVERNMENT OF INDIA
पर्यावरण ,वनएवंजलवायुपरिवर्तनमंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE
क्षेत्रीयकार्यालय
REGIONAL OFFICE
Ground Floor, East Wing, New Secretariat Building
Civil Lines, Nagpur - 440001
E-mail: apccfcentral-ngp-mef@gov.in

F. No. EC-2312 /RON/2019-NGP / 12528

Dated:17.11.2023

To
Shri. J N Nagaraj, Head Architect
Anushakthinagar' at Trombay, Mumbai
jnnagaraj@dcsem.gov.in

Subject- Township ' Anushakthinagar' at Trombay, Mumbai by M/s. Baba Atomic Research Centre.- Issue of Certified Compliance Report- Reg.

Sir,

This has reference to your request for the issue of CCR for the above project. In this regard, the above said project was inspected by this office on 05.09.2023. After the site visit and review of additional documents submitted, the implementation of environmental safeguards status in the project is prepared. Copy of the Inspection report is enclosed. **PP should ensure the compliance on the observations made in the report.**

This issues with the approval of Competent Authority.

Yours faithfully

(ई थिरुनावुक्करसु)
वैज्ञानिक-ई

Encl: as above

Copy to

1. The Member Secretary, State Environment Impact Assessment Authority (SEIAA), Maharashtra Room No. 217, Second Floor, Mantralaya Annex, Madam Cama Road, Mumbai-32. psec.env@maharashtra.gov.in

2. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. PVR Cinema, Sion Circle, Mumbai-400 022. Email: *ms@mpcb.gov.in*,

3. The District Collector, Mumbai Suburban, 10th Floor, Administrative Building, near Chetna College, Government Colony, Bandra East, Mumbai, Maharashtra 400051. Email: collector.mumbaisuburb@maharashtra.gov.in

4. Shri Pratik Bharne, Scientist 'E' Central Pollution Control Board, Regional Directorate S. No. 110, Dhankude Multipurpose Hall ,Baner Road, Baner, Pune- 411045. Email: pratik.cpcb@gov.in

5. The Compliance and Monitoring Division, Ministry of Environment, Forest and Climate Change Indira Paryavaran Bhawan, Jorbag Road, New Delhi- 3. Email: moefcc-monitoring@gov.in.

GOVERNMENT OF INDIA
Ministry of Environment, Forest and Climate Change
Integrated Regional Office, Nagpur

INSPECTION REPORT

F. No. EC- 2312/RON/2022-NGP

1.	Name of the project and location	Township ' Anushakthinagar' at Trombay, Mumbai by M/s. Baba Atomic Research Centre.
2.	Address for Correspondence	Shri. J N Nagaraj, Head Architect Anushakthinagar' at Trombay, Mumbai jnnagaraj@dcsem.gov.in
3.	Clearance letter No.& Date	1. No. SEAC- 2010/CR.618/TC.2 dated 11.03.2011 2. No. SEAC 2010/C.R.618 /T.C.2 dated 27.03.2014 3. No. EIAA-2018/CR-142/Est dated 20.12.2018
4.	Date of site visit	The project was inspected on 05.09.2023. During the visit, Shri A.S.Yadav, SO/H,CE(ESG) & CH(GB),Shri A K Jana, SO/H, CE (C1) CE (CQD), Shri Rajiv Nayan, SO/ H HEAD PCD, Shri Sameer Jadhav, SO/G HEAD (ED)and other staff of the project were present:
5.	Date of previous visit(s) & observation if any	.....

Environmental Clearance: EC was granted by SEIAA in 2011, 2014 and revalidated in 2018 for construction of residential township in plot area of 3827942 .50 sqm with total built up area of 10,89,914.59 sqm. The proposed building consists of 31 Buildings, Out of 31 buildings, 12 buildings with 87, 455,193 sqm, about 32 % have been completed.

Consent from MPCB: PP had obtained Consent to Operate vide No. Format BO/RO(HQ)/CE/CAC-42 dt.08.04.2011. Copy was submitted. **However, the details of subsequent renewal/ Consent to operate were not provided.**

Sewage Treatment and Disposal: PP has provided 3.80 MLD capacity STP and the outlet is monitored through accredited laboratory. The treated water is being reused for toilet flushing and gardening.

Solid Waste Management: Wet garbage from completed & Occupied building is composed and reused as soil manure. There were garbage dump in open area in front of the Incinerator/ compost yard, **PP should earmark adequate space for Solid waste management.**

Green Belt: PP has carried out and maintained good green belt in the premises with many local species. According to PP, plantation area is 57419.375 sqm., with 6800 number of trees

Proposal: Reported that due to new UDPCR rules, PP proposed to modify the plan and applied for EC. Hence, requested for CCR.

After the site visit and review of additional documents submitted, the implementation of environmental safeguards status in the project is prepared. Project is in Operation Phase and hence the compliance status of the Operation Phase conditions is given below:

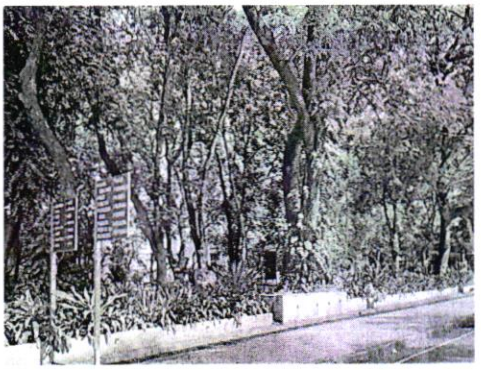


Fig: Google Imagery

(E.Thirunavukkarasu)
Scientist 'E'

PART-II – COMPLIANCE STATUS IN DETAILS

Sl.No	Conditions	Compliance Status
1.	Wet garbage should be treated by Nisargruna Biogas Plant and no wet garbage will be disposed outside the premises. Local authority should ensure this.	Noted that the wet garbage is treated by Nisargruna Biogas Plant.
2.	A First Aid room will be provided in the project bothduring construction and operation of the project.	Noted that a First Aid room has been provided.
3.	Arrangement shall be made that waste water and stormwater do not get mixed.	Noted that PP has provided separate pipelines for sewage and side drains for the storm water.
4.	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	PP has carried out and maintained good green belt in the premises with many local species. According to PP, plantation area is 57419.375 sqm., with 6800 number of trees





5	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.	PP has submitted analysis report of Soil and Ground water quality analysis report. Heavy metals are below detectable limit.
6	Ambient noise levels should confirm 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/MBCB.	PP has submitted Ambient air Quality analysis report and noise level monitoring report. The reports reveals that the parameters are within the limit. Copy of the reports are attached at **Annexure-I & II.**

7	The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipment etc. as per National Building code including measures from lighting.	Copy of the Structural safety certificate has been submitted.
8	Storm water control and its re-use as per CGWB and BISstandards for various applications.	Reported as complied but not feasible to verify.
9	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority	Pl refer condition 5 above.
10	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/ refused to the maximum extent possible. Treatment of 100% gray water by decentralized treatment should be done. Discharge of unused treated affluent shall conform to the norms and standards of the Maharashtra Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.	PP has provided 3.80 MLD capacity STP and the outlet is monitored through accredited laboratory. The treated water is being reused for toilet flushing and gardening. PP had obtained Consent to Operate vide No. Format BO/RO(HQ)/CE/CAC-42 dt.08.04.2011. Copy was submitted. **However, the details of subsequent renewal/ Consent to operate were not provided.**
11	Permission to draw ground water shall be obtained from the competent Authority prior to construction /operation of the project.	PP has submitted copy of the permission of CGWA.
12	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	PP has provided dual plumbing line for recycling of treated water for flushing.
13	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.	Reported that low flowpressure reducing devices for showers, toilet flushing anddrinking have been provided.
14	The solid waste generated should be properly collected and segregated. Wet garbage should be composed and dry/ inert solid waste should be disposed off to the approved sites for land filling after recovering recyclablematerial.	Wet garbage from completed & Occupied building is composed and reused as soil manure. There were garbage dump in open area in front of the Incinerator/ compost yard, **PP should earmark adequate space for Solid waste management.**
15	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality	Noted that the usage of glass is less than prescribed level.

	double glass with special reflective coatings in windows.	
16	Roof should meet prescriptive requirement as per Energy Conservation Building code by using appropriate thermal insulation material to fulfill requirement.	PP informed that roof has been constructed by using appropriate thermal insulation material to fulfill requirement of Energy Conservation Building code. It not feasible to verify.
17	Energy conservation measures like installation of CFLs and TFLs for lighting the areas outside the buildings 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 lighting, common solar water heater system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.	Noted that PP has provided CFLs and TFLs and Solar panels. 
18	Diesel power generating set proposed as source of backup power for elevators and common area illumination during operation phase should 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 set of 3 x 320 and 4 x 125 KV are installed as source of backup power and the height of the stack is installed as per the norms of Central Pollution Control Board (CPCB).
19	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	Pl refer Condition No. 6 above.
20	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.	Noted that internal parking is provided and there is no Traffic congestion near the entry and exit points.

21	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non-air-conditioned spaces byuse of appropriate thermal insulation material to fulfill requirement.	Reported as complied, but not a feasible to condition to verify.
22	The building should have adequate distance between them to allow movement of fresh air passage of natural light, air and ventilation.	All building have adequate distance between them to allow movement of fresh air passage of natural light, air and ventilation.
23	In the case of any change(s) in the scope of the project,the project would require a fresh appraisal by this Department.	Agreed by the PP
24	A separate environment management cell with qualified staff shall be set up for implementation of the stipulatedenvironmental safeguards.	PP has set up a Separate Environment Management Cell to look after environmental management and the composition was submitted.
25	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise break-up. These cost shall be included as partof 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.	According to PP, capital cost of Rs 1215 lakhs and O & M cost of Rs 67.80 lakhs / year has been earmarked for EMP.
26	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 ofissue 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://envis.maharashtra.gov.in	PP has submitted copy of the advertisement.
27	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.	PP informed that there were no representation from any NGO/local authority.



28	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 sectoral 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.	PP has provided a link where copy of EC, compliance report, Environmental statement are uploaded https://dcsem.gov.in/resources/uploads/notice_circular_h/mofccjuntonov22_151783481516986455 80.pdf. **PP should indicate /provide a link from the main page of the website so that any one without the above link can view from the website.**
29	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.	**Not Complied**. PP informed that all the work is executed as per approved EC. However, no clear understanding of the subject matter on the EC report submitting, hence this directorate could not submit six monthly EC compliance report and Environmental Statement till date. **PP should ensure regular submission of compliance report and Environmental Statement in future.**
30	The environmental statement for each financial year ending 31st march in Form-V as is mandated to be	

(E.Thirunavukkarasu)
Scientist 'E'