

Minutes of the 150th meeting of Goa State Expert Appraisal Committee (Goa-SEAC) held on the 11th May 2022 at 03.30 p.m. in the conference hall, 4th Floor, Dempo Towers, Patto - Panaji, Goa.

The 150th meeting of the Goa-SEAC was held on 11th May 2022 in the Conference room 4th floor of the Dempo Towers, Patto - Panaji at 03.30 p.m. under the Chairmanship of Shri. Gautam Desai. The list of members who attended the meeting is at "Annexure - 1".

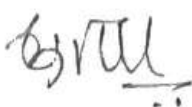
The Chairman welcomed the members and requested Secretary, SEAC to proceed as per the agenda items (refer Annexure - 2).

1. To discuss on project received from Sir Biotech India Ltd. on 03/03/2021 at P.T. Sheet No. 17, Chalta No. 4.C. Ribandar North Goa for prior EC.

Decision: As per the Authority's direction Committee has verified the plans submitted by the Project Proponent and it was found satisfactory. It is recommended to grant EC for the project with following general and specific conditions.

"General Conditions":-

- a. The PP should use Ready-Mixed Concrete (RMC) to minimize air / water / land pollution and water usage during the construction phase.
- b. **Solar power generation** - Every major consumer of conventional power will have to generate and opt for certain percentage of power generation from the non-conventional sources. In this context, Project Proponent (PP) should necessarily make appropriate provision while constructing the roof-tops at the time of construction stage only to enable installation of solar panels as and when made applicable in future. In addition, south-facing walls to be utilized to install solar panels to harness optimum solar energy. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heater system. PP should install, after checking feasibility, solar-plus-hybrid non-conventional source as source of energy.
- c. PP should adopt roof-top rainwater harvesting / conservation measures to optimally utilize the water availability by constructing sumps for collection of rainwater as per the site-specific location details provided.
- d. PP should prioritize the issues related to health and hygiene in complying with the matters related to waste disposal and treatment / air and water pollution / waste-water management.



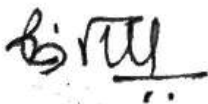








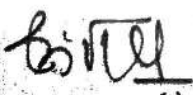
- e. PP should not disturb the natural drainage and as far as possible and maintain the original topography while designing for landscape development by planting local plant species and which are not alien to the prevailing environment.
- f. PP should clarify any issue related to public objections, if any, and should not conceal the scientific facts in light of the proposed developmental activity vis-à-vis its landuse categorization / zoning.
- g. PP should submit half-yearly compliance report(s) in hard as well as soft copy format to the Authority for the period upto project completion.
- h. This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any, from time to time. Judgements / Orders issued by Hon'ble High Court, NGT, Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified by the competent authorities.
- i. PP should ensure and ascertain that 'civil plans' which were submitted to the Committee/ Authority during the process of project appraisal be submitted to other line Departments / agencies concerned while seeking NOC / Consents/ Permissions, as applicable. If any discrepancy is found in the plans submitted or details provided may be reported to this Authority. No changes should be done in the building plan, elevation and sections. This environmental clearance is issued with respect to the environmental considerations and it does not mean that Goa-SEIAA approved the proposed land.
- j. PP needs to ensure that no treated water or any waste sewage shall be discharged into any water body. STP of suitable capacity shall be installed considering the quantity / quality of waste water generation.
- k. E-waste if any shall be disposed through Authorised vendor as per E-waste (*Management & Transboundary Movement*) Rules, 2016.
- l. This environmental clearance is issued subject to obtaining NOC from the Forestry & Wildlife angle including clearance from the Standing Committee of the National Board for wildlife, if applicable. The grant of environmental clearance does not necessarily imply that Forestry & Wildlife clearance has been granted to the project, which has to be dealt separately by the competent authorities in accordance with law.
- m. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.





2. Further, the PP is required to comply with the following “General Conditions” during construction phase:-

- a. ‘Consent to Establish’ shall be obtained from the Goa State Pollution Control Board (GSPCB) under Air Act and Water Act, as applicable and a copy shall be submitted to the Authority within 30 days of starting construction work at site.
- b. Permission to draw groundwater, as applicable, shall be obtained from the Groundwater Cell of the Water Resources Department (WRD) government of Goa.
- c. Project proponent shall not make any change in the Surface Layout Plan / Civil Plan submitted to the Authority without its prior permission. **In case of any change(s) in the scope of the project and/or otherwise, the project proponent need to obtain modified EC from this Authority.**
- d. Project proponent shall make suitable provisions for sewage / wastewater disposal and storm water release independently.
- e. CNG powered generating sets to be used during construction.
- f. The installation of the Sewage Treatment Plant (STP) if any should be certified by the GSPCB and a report in this regard should be submitted to the Authority before the STP is commissioned.
- g. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and first aid room etc.
- h. 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 waste water and solid waste generated during the construction phase should be ensured.
- i. The solid waste generated should be properly segregated. Dry /inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
- j. Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved site with the approval of competent authority.
- k. Arrangements shall be made that waste water and storm water do not get mixed.







- l. All the top soil excavated during construction activities should be stored if or use in horticulture/landscape development within the project site.
- m. Additional soil for levelling 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.
- n. Green-belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the State Forest / Agriculture Department.
- o. 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.
- p. Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such materials must be secured so that they should not leach into ground water.
- q. Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary authorisation of the GSPCB.
- r. 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 standard and should be operated during non-peak hrs.
- s. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution load 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 construction phase, so as to conform to the stipulated standard by CPCB/ GSPCB.
- t. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquakes, adequacy of fire fighting equipments etc. as per National Building Code (NBC) including measures from lighting.
- u. Storm water controlled and its re-use as per Central Ground Water Board (CGWB) and Bureau of Indian Standards (BIS) for various applications.
- v. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.

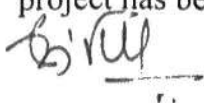
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- w. The groundwater level and its quality should be monitored regularly in consultation with ground water authority of the Water Resources Department (WRD), Government of Goa.
- x. The installation of the sewage treatment plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the GSPCB before the project is commissioned for operation. Treated effluent released from STP shall be recycled / reused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharged in the sewer line. Treatment of 100% grey water through the centralised treatment should be done. Necessary measures should be adopted to mitigate the odour problem from STP.
- y. Use of glass may be reduced upto 40% to reduce electricity consumption and load on air-conditioning. If necessary, use high quality double glass with special reflective coating in windows.
- z. Roof should meet prescriptive requirement as per energy conservation building code by using appropriate thermal insulation material.
- aa. Energy conservation measures like installation of LEDs' 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 of CFLs / TFLs, if any, should be properly collected and disposed off / sent for recycling as per the prevailing guidelines / rules of the regulatory authority to avoid mercury contamination.
- bb. 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.
- cc. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalised and no public place should be utilised.
- dd. opaque wall should meet prescriptive requirement as per energy conservation board which is proposed to mandatory for all air conditioned spaces while it is aspiration for non- air conditioned spaces by use of appropriate thermal insulation material to fulfil requirement.
- ee. The buildings should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
- ff. Regular supervision of the above and other measures for monitoring should be in placed all through the construction phase, so as to avoid disturbance to the surroundings.
- gg. Under the provisions of Environment Protection Act 1986, legal action shall be initiated against the PP if it was found that construction of the project has been started without obtaining EC.




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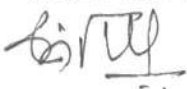


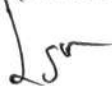


hh. Six monthly compliance reports should be submitted to the MOEF with copy to the Goa-SEIAA and GSPCB.

3. "General Conditions" during post-construction phase:-

- a. PP shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. The PP to explore possibility of utilising excess treated water in the adjacent area for gardening before discharging into sewer line. No physical occupation of allotment will be given unless all above said environmental infra structure is installed and made functional including water requirement prior certification from appropriate authority shall be obtained.
- b. Wet garbage should be treated by organic waste convertor and treated waste (manure) should be utilise in the existing premises foe gardening. And no wet garbage will be disposed outside the premises. Local authority should ensure compliance to this.
- c. A complete set of all the documents submitted to Goa-SEIAA should be forwarded local authority, GSPCB and Planning authority.
- d. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the Goa-SEIAA.
- e. Separate funds shall be allocated for implementation of environmental protection measures /EMP along with item wise breaks-up. The funds earmarked for the environment protection measures shall not be diverted for other purposes.
- f. A copy of the environmental clearance letter shall be sent by PP to the concerned Village Panchayat and planning authority as applicable, from which suggestions / representation, if any, were received while processing the proposal. The EC letter shall also be put on the company's website by PP within one week time period from date of issue of environmental clearance.
- g. The PP shall upload the status of the compliance of the stipulated EC conditions, including results of monitoring data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MoEF & CC, the respective Zonal office, CPCB and the GSPCB. The pollutant levels in respect of SPM, RSPM, SO₂ and NO_x (*ambient levels as well as D.G. stack emissions*) shall be monitored.
- h. The environmental statement for each financial year ending 31st March in Form-V is to be submitted to the GSPCB as prescribed under the Environment (*Protection*) Rules 1986 (as amended) and







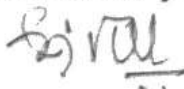




subsequently shall also be put on the company's website along with the status of the compliance of the EC conditions and shall also be sent to the respective Regional Office of the MoEF & CC.

- i. Consent to Operate shall be obtained from GSPCB before operation, failing which the Environmental Clearance herein shall be deemed to be withdrawn.
- j. Sewage Treatment Plant (STP) shall be installed at site. The STP should be certified by an independent expert and adequacy report in this regard should be submitted to GSPCB before the project is commissioned for operation. Necessary measures should be made to mitigate the odour problem from STP.
- k. The solid waste (dry as well as wet garbage) generated should be properly collected and segregated. Organic Waste Converter shall be installed by RWA for the treatment of biodegradable (wet) garbage generated within the housing complex. Non-Biodegradable waste should be outsourced properly after recovery of recyclable material. Adequate measures should be taken to prevent odour problem.
- l. Noise should be controlled to ensure that it does not exceed the prescribed standards both during day & night time.
- m. The ground water drawl from existing/proposed bore wells if any should be done only with the prior permission of Ground Water Board. The ground water level and its quality should also be monitored regularly both during construction and operation phase in consultation with Ground Water Board.
- n. Traffic congestion near the entry and exit points from the roads adjoining the project site must be avoided. Parking should be fully internalized and no public space should be utilized.
- o. Energy Conservation measures such as solar lighting for common area, solar water heating system, CFLs/TFLs for lighting of areas, LED lights for signage, solar inverters on the etc should be adopted.
- p. Used CFLs/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.
- q. A Report on energy conservation measures conforming to energy conservation norms finalized by Bureau of energy Efficiency should be prepared incorporating details about building materials and technology, R & U factors etc and submit to the State Expert Appraisal Committee and a copy to GSPCB in three months time.

4. Further this EC is issued without prejudice to the action initiated in the Environment (*Protection*) Act or any court case pending in the court of law. As such, it does not mean that the PP has not violated any environmental laws in the past and whatever decision under the said Act by the Hon'ble

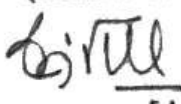






Court will be binding on the PP. Hence, this environmental clearance does not give immunity to the PP in the case complaint is filed against, if any, or action initiated under the said Act.

5. In case of submission of false document and non-compliance to any of the stipulated conditions, this Authority will revoke or suspend the EC without any intimation and initiate appropriate legal action under the Environment (Protection) Act, 1986 (as amended till date).
6. E-waste generated in the complex should be managed as per CPCB guidelines on E-waste management.
7. The Goa-SEIAA reserves their right to add any stringent condition or to revoke the environmental clearance, if conditions stipulated above are not implemented to the satisfaction of the Authority or for that matter, for any other administrative reasons.
8. **In addition**, the following conditions shall be specifically complied with:
 1. Project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Konkani or Marathi language within **seven days** of receipt of this communication, informing that the proposed project has been accorded prior Environmental Clearance (EC) and the copies of the clearance letter will be available on the PP website.
 2. **Validity of the Environmental Clearance (EC) accorded shall be for a period of 07 (seven) years from the date of its issue.**
 3. These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
 4. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by State Environment Impact Assessment Authority.
 5. Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.
 6. Any appeal against this prior environmental clearance shall lie with the National Green Tribunal (NGT), if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010 (Central Act 19 of 2010).







9. 'Specific Conditions'

- i. Borewell water is not to be used for construction phase, only used for drinking purpose and PP should maintain the meter reading on regular basis.
- ii. PP should provide bio-degradable composter.
- iii. Building should be constructed as per National Building Code 2016 Part-IV .
- iv. PP should do Corporate Social Responsibility as recommended/ approved by Goa-SEAC/ Goa SEIAA.
- v. The Project Proponent shall utilise fly ash bricks in masonry works.

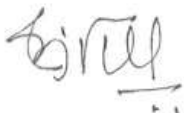
2. To discuss on proposed building plan for C.I.S.F Battalion at survey no. 230/0, 250/0, 253/1-A, 253/2-A, 254/2-A, & 270/1-A, Village Pernem, Pernem Taluka, Goa.

Decision: After scrutinizing the application and documents submitted by the Project Proponent, the Committee decided to sought additional details hence the Proposal is deferred. Additional details to be sought are:-

- 1) Biodiversity report in details (Flora & Fauna).
- 2) Details of water source for the project.
- 3) Details of Excess Excavated soil.

3. To discuss project received from M/s Palacio Property Developers Pvt. Ltd. for extension of validity of Environment Clearance located in survey No.181/1(p), 181/2, 181/3, 181/5(P), 182/7, 183/9, 180/1(P), 180/2(P), 184/3, Goa Velha, Tiswadi Goa.

Decision: After scrutinizing the application and documents submitted by Project Proponent the Committee decided to recommend the extension of validity of Environment Clearance located in Survey No. 181/1(P), 181/2, 181/3, 181/5(P), 182/7, 183/9, 180/1(P), 180/2(P), 184/3, Goa Velha, Tiswadi Goa for a period of 2 years i.e. till 21/03/2023.







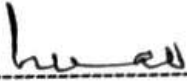


4.To discuss on illegal laterite quarrying activities at Revora, Bardez Goa.

Decision: Illegal laterite quarry mining activity were found along the canal of WRD at Revora. The same may be referred to SEIAA for further action.

The meeting ended with a vote of thanks to the chair.

Dr. Benjamin Braganca



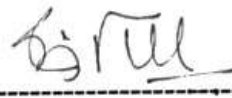
Dr. Dipak C.S. Gaitonde



Shri. Sanjay Amonkar



Dr. Chandrasheker U. Rivonkar





Shri. Gautam Vikas Desai
(Chairman Goa-SEAC)



Shri. Sanjeev Joglekar
(Secretary Goa-SEAC)

Place: Patto-Panaji

Date: 11 May 2022

Annexure – 1

Shri Gautam Vikas Desai	Chairman(Goa –SEAC)
Shri. Sanjeev Joglekar	Secretary(Goa –SEAC)
Dr. Chandrasheker U. Rivonkar	Expert Member(Goa –SEAC)
Dr. Benjamin Braganca	Expert Member(Goa –SEAC)
Dr. Dipak C.S. Gaitonde	Expert Member(Goa –SEAC)
Shri. Sanjay Amonkar	Expert Member(Goa –SEAC)

Annexure - 2

Agenda Items for 150th Goa State Expert Appraisal Committee (Goa – SEAC) meeting held on 11th May 2022 at 03:30 pm.

1. To discuss on project received from Sir Biotech India Ltd on 03/03//2021 at P.T. Sheet No. 17, Chalta No. 4.C Ribandar North Goa for Prior EC.
2. To discuss on proposed buildings plan for C.I.S.F. Battalion at survey no. 230/0, 250/0, 253/1-A, 254/2-A & 270/1-A, Village - Pernem, Pernem Taluka Goa.
3. To discuss project received from M/s Palacio Property Developers Pvt. Ltd. for extension of validity of Environment Clearance located in survey No.181/1(p), 181/2, 181/3, 181/5(P), 182/7, 183/9, 180/1(P), 180/2(P), 184/3, Goa Velha Tiswadi Goa.
4. To discuss on illegal laterite quarrying activities at Revora, Bardez Goa.
5. Any other matter with permission of the chair.