

MINUTES OF THE 120TH GOA STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (GOA-SEIAA) MEETING HELD ON 24/11/2023 AT 10:00 A.M. IN THE CONFERENCE ROOM OF THE 4TH FLOOR, DEMPO TOWER, PATTO, PANAJI-GOA.

The 120th meeting of the Goa - SEIAA (*hereinafter referred as 'Authority'*) was held on 24th November 2023 at 10:00 am in the conference room, 4th floor, Dempo Tower, Patto, Panaji. The list of members present during the meeting is annexed (*refer Annexure - 1*).

At the outset, Chairman welcomed Authority members and briefed about the agenda items (*refer Annexure - 2*) to be taken up for discussion / deliberations and appropriate decision. Accordingly, the same were considered as detailed below.

1. **To decide on application received from Ghanshyam Vaidya for proposed laterite rubble quarry having lease area of 0.4800Ha located on land bearing Survey No. 62/0, Codar village, Ponda taluka, North Goa for prior Environmental Clearance.**

The Representative of Ghanshyam Vaidya, Shri. Rajesh Naik along with his team appeared before the Authority and explained details of the project.

Decision: After scrutinizing and perusing the documents submitted by the Project Proponent, the Authority directed the Project Proponent to submit the details of activities to be undertaken under CER. Further, the Authority decided to grant the Environmental Clearance under following conditions:

1. **The project proponent is required to mandatorily comply with the following 'General conditions'**
 - a) **'Goa Mineral Concession (Amendment) Rules, 2012'** notified by the Directorate of Mines and Geology (DMG) and published in Official Gazette Series-I, No. 24 dated 17th September 2012.
 - b) Notification S. O. 733 (E) dated 10th March 2014 issued by the erstwhile Ministry of Environment and Forests (MoEF) and published in the Gazette of India – Extraordinary, No. 624, Part-II, Section 3, Sub-section (ii) dated 10th March 2014 **specifying the list of villages categorized as Ecologically Sensitive Areas (ESAs) in the State of Goa vis-a-vis** list of projects and activities prohibited / regulated therein.
 - c) Notification S.O 3977 (E) dated 14th August 2018 issued by the Ministry of Environment, Forests and Climate Change (*MoEF&CC*) issued under sub-section (1) and clause (v) of sub-section (2) of section 3 of the Environment (Protection) Act, 1986 read with clause (d) of sub-rule (3) of rule 5 of the Environment (Protection) Rules, 1986.
 - d) The lease holder should ascertain on-site demarcation and construction of lease boundary with cement poles/ bio-fencing/ barbed wire for the proposed leased area in question. The lease boundary may be subsequently geo-referenced for precise

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positioning and ground-truth verification. As such, the lease holder should ensure that minor mineral quarrying operations are restricted within the prescribed lease boundary.

- e) The lease holder should ensure construction of approach road/ proper access to enable transportation of quarried material from site to desired destination and/or crushing unit, as applicable. Transportation of quarried material shall be done by covering the trucks with tarpaulin so that no spillage of material/ dust takes place on route.
- f) The lease holder should comply with the proposed plan of action/ *modus operandi* for extraction of Laterite Rubble within the available lease boundary limits in terms of provisions of Mines and Safety Rules/ Guidelines, as applicable. In addition, safety gadgets and health-care facilities should be provided to workers vis-a-vis maintaining hygiene surrounding the proposed lease boundary.
- g) The lease holder shall undertake adequate safeguard measures during extraction of basalt stone and ensure that due to this activity, the hydro-geological regime of the surrounding area shall not be affected/ altered/ polluted. Quarrying operations should be limited to **day-hours time** (06 a.m. to 06 p.m. only) with specified time reserved for 'blasting'. Regular monitoring of groundwater levels and its physico-chemical quality parameters shall be carried out around the quarry lease area (for minimum two locations of permanent water sources/ open well/ borewell). If there are no groundwater sources, then nearest perennial surface water sources (*i.e. stream/ river/ pond/ lake/ reservoir/ irrigational canal*) should be monitored for similar parameters on quarterly basis and/or seasonally (*i.e. pre-monsoon/ monsoon and post-monsoon*).
- h) No quarrying be carried out within the safety zone of any bridge and/or embankment as well as within the vicinity of natural/ man-made archaeological site(s).
- i) The lease holder shall implement air pollution control measures/ dust minimizing initiatives/ noise control measures, wherever applicable, within the lease area as well as establish adequate buffer zone around the lease boundary to minimize such pollution hazards. It should be ensured that the Ambient Air Quality (AAQ) parameters (*to be measures in January, April and November every-year*) as well as Noise parameters conform to the norms prescribed by the Central Pollution Control Board (CPCB) and Noise Pollution (Control) Rules, 2000 respectively.
- j) Green belt development around quarry shall be carried out considering CPCB guidelines including selection of plant species in consultation with Forest Department/ Zonal Agricultural Office, as applicable.
- k) The lease holder shall obtain necessary prior permission (NOC) from the Groundwater Cell of the Water Resources Department (WRD) for drawl of surface / groundwater from within the lease area.
- l) Waste water / effluents, if any, shall be properly collected, treated and monitored so as to conform to the standards prescribed by the MoEF / CPCB.
- m) Environmental clearance (EC) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority, if applicable.
- n) The mining officer / in-charge of quarrying operations on-site shall submit six-monthly report in hard and soft copy formats w.r.t. specifying the status of compliance of the stipulated Environmental Clearance conditions (*i.e. Specific and General conditions*) to the Directorate of Mines and Geology (DMG), Goa, this Authority as well as Goa State Pollution Control Board (GSPCB).
- o) Any change (*i.e. modification/ expansion/ alteration*) in lease area / quarrying

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operations /extraction capacity/ modernization/ scope of working/ Environment management plan (EMP) shall require re-appraisal by this Authority as per the provisions of the EIA Notification, 2006 (*as amended till date*).

- p) All necessary statutory clearances from relevant Authorities concerned shall be obtained before start of quarrying operations.
- q) The Authority reserves the right to add any stringent conditions or to revoke the EC, if conditions stipulated are not implemented / complied with to the satisfaction of the Authority or for that matter, for any other administrative reasons.
- r) Any appeal against this prior Environmental Clearance shall lie before the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010 (*Central Act 19 of 2010*).

2. Project Proponent should implement Dust mitigation measures for mining activities such as:

- a) Roads leading to or at quarrying sites must be paved and blacktopped (i.e metalled roads).
- b) No excavation of soil shall be carried out without adequate mitigation measures in place.
- c) No loose soil or sand and any other waste material that causes dust shall not be left uncovered.
- d) Wind-breakers of appropriate height and maximum upto 10 meters shall be provided.
- e) Water sprinkling system shall be put in place.
- f) Dust mitigation measures shall be displayed prominently at the quarrying site for easy public viewing.
- g) Grinding and cutting of materials in open area shall be prohibited.
- h) Raw material and waste should be stored only within earmarked area and roads side storage of material and waste shall be prohibited.
- i) No uncovered vehicles carrying excavated material and waste shall be permitted.
- j) Excavation and disposal site shall be identified and required dust mitigation measures shall be notified at the site.

3. In addition, the Project Proponent needs to comply with the following ' Specific conditions'

- a) The proposed extraction capacity of minor mineral (laterite Rubble) from the said leases (*i.e. from 0.4800 ha*) shall not exceed 5000 M³ per annum.)
- b) As referred to in the Environment Management Plan (EMP), dust suppression measures (*i.e. water sprinklers*) to be undertaken regularly at specific interval during the daytime / quarry-operations.
- c) As per the Office Memorandum No. F.No.22-65/2017-IA.III dated 01/05/2018 Project Proponent is mandated to do Corporate Environmental Responsibility (CER).

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- d) As per office memorandum issued by MoEF&CC dated 1st May 2018, some of the activities which can be carried out in CER, are infrastructure creation for Drinking Water Supply, Sanitation, Health, Education, Skill Development, Roads, Cross Drains, Electrification including Solar Power, Solid Waste Management Facilities, Scientific Support and Awareness to Local Farmers to increase yield of crop and fodder, Rain Water Harvesting, Soil Moisture Conservation Works, Avenue Plantation, Plantation in Community areas, etc.
- e) Project Proponent should provide fencing around the quarry pit.
- f) Validity of the Environmental Clearance (EC) accorded shall be for a period of 07 (seven) years or life of the mine whichever is earlier from the date of its issue or coterminous with the lease period.
- g) Before expiry of validity of the Environmental Clearance the Project Proponent shall back-fill the laterite rubble quarry and restore to its original level and carry out plantation in consultation with Goa State Biodiversity Board.

2. To decide on application received from Raj Housing Development Private Limited for proposed construction of a residential project "Raj Enclave" located in P.T. Sheet No. 8 of Chalta No. 01 in Mapusa Municipal Council area of Bardez Taluka, North Goa for prior Environmental Clearance.

The Project Proponent Shri. Sandip Nigalye along with his team appeared before the Authority and explained details of the project.

Decision: After scrutinizing and perusing the documents submitted by the Project Proponent, the Authority directed the Project Proponent to submit the details of activities to be undertaken under CER. Further, the Authority decided to grant the Environmental Clearance under following conditions:

- a) The Project Proponent should use Ready-Mixed Concrete (RMC) to minimize air/water/land pollution and water usage during the construction phase.
- b) Project Proponent 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.
- c) Project Proponent should not disturb the natural drainage and as far as possible maintain the original topography while designing for landscape development by planting local plant species and which are not alien to the prevailing environment.
- d) Project Proponent 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.
- e) 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.
- f) The construction gross built up area of proposed construction is **30252.35 sq. mts**

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shall be in accordance with the existing FSI/ FAR norms of the local body and planning authorities and it should ensure the same along with survey number before approving layout plan and before according commencement certificate to proposed work.

- g) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
- h) 'Consent to Establish' shall be obtained from the Goa State Pollution Control Board (GSPCB) under Air Act and Water Act, as applicable, failing which the Environmental Clearance herein shall be deemed to be withdrawn and a copy shall be submitted to the Authority within 30 days of starting construction work at site.
- i) 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 needs to inform this Authority.
- j) 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. The safe disposal of waste water and solid waste generated during the construction phase should be ensured.
- 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) 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.
- p) Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary authorisation of the GSPCB.
- q) 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.
- r) 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.
- s) The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquakes, adequacy of fire fighting equipment etc. as

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per National Building Code (NBC) including measures from lighting.

- t) Storm water controlled and its re-use as per Central Ground Water Board (CGWB) and Bureau of Indian Standards (BIS) for various applications.
- u) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- v) 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.
- w) Roof should meet prescriptive requirement as per energy conservation building code by using appropriate thermal insulation material.
- x) Energy conservation measures like installation of only for 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. Used of LED's, 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.
- y) 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.
- z) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided by providing separate entry and exit gate. Parking should be fully internalized and no public place should be utilized.
- aa) The Project Proponent will lay a direct line for disposal to sewerage network of common STP or else Project Proponent shall make suitable provision for sewage disposal by providing Sewage Treatment Plant on site. The STP should be certified by independent expert and adequacy report in this regard should be submitted to GSPCB before the project is commissioned for operation. Necessary measures to be made to mitigate the odour problem from STP. Sewage Treatment Plant should be with operation and maintenance after commissioning/ completion of project with minimum period of 5 years.
- ab) 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 fulfill requirement.
- ac) The buildings should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
- ad) 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.
- ae) 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 EC.
- af) Six monthly compliance reports should be submitted to the MoEF&CC with copy to the Goa-SEIAA and GSPCB in hard as well as soft copy format for the period upto the Project completion.

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2. **Project Proponent should implement Dust mitigation measures for construction activities such as:**

- a) Roads leading to or at construction sites must be paved and blacktopped (i.e metallic roads).
- b) No excavation of soil shall be carried out without adequate mitigation measures in place.
- c) No loose soil or sand or construction and demolition waste or any other construction material that causes dust shall be left uncovered.
- d) Wind-breakers of appropriate height i.e 1/3rd of the building height and maximum upto 10 meters shall be provided.
- e) Water sprinkling system shall be put in place.
- f) Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.
- g) Grinding and cutting of building materials in open area shall be prohibited.
- h) Construction material and waste should be stored only within earmarked area and roads side storage of construction material and waste shall be prohibited.
- i) No uncovered vehicles carrying construction material and waste shall be permitted.
- j) Construction and demolition waste processing and disposal shall be managed as per construction and demolition waste Management rules 2016.

3. **Further, the Committee decided to direct the Project Proponent to comply with the following "General Conditions" during post-construction phase:-**

- a) 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.
- b) The Project Proponent 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.
- c) The Project Proponent should provide facilities for storage and segregation of waste generated in three separate streams i.e bio-degradable, Non bio-degradable and domestic hazardous waste in suitable bins and handover segregated wastes to authorized waste pickers or waste collectors as per the directions or notifications by the local Authorities and Goa State Pollution Control Board.
- d) 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.
- e) Project Proponent shall store separately construction and demolition waste, as and when generated, in their own premises and shall be disposed of as per the Construction and Demolition Waste Management Rules 2016.
- f) The Project Proponent store horticultural waste and garden waste in their own premises and shall be disposed as per the directions of the local bodies.

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- g) The Project Proponent in partnership with local bodies shall ensure segregation of waste at source by the generators as prescribe in the rules, facilitate collection of segregated waste in separate streams, handover recyclable material to either the authorized waste pickers or the Authorized recyclers. The bio-degradable waste shall be processed, treated and disposed off through composting or bio- methanation within the premises as far as possible. The residual waste shall be given to the waste collector or agency as directed by the local body.
- h) Noise should be controlled to ensure that it does not exceed the prescribed standards both during day & night time.
- i) 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.
- j) Energy Conservation measures such as solar lighting for common area, solar water heating system, LED's for lighting of areas, LED lights for signage, solar inverters on the etc should be adopted.
- k) Used LED lights should be properly collected and disposed off/sent for recycling as per the prevailing guidelines / rules of the regulatory authority to avoid mercury contamination.
- l) 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.
- m) 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.

4. Specific Conditions

- a) The approach road leading to the site should be constructed prior to commencement of any construction activity at site as per the regulations of the Town & Country Planning Department.
- b) Project Proponent 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.
- c) Project Proponent needs to ensure that no treated water or any waste sewage shall be discharged into any water body. E-waste shall be disposed through Authorized vendor as per E-waste (*Management and Handling*) Rules, 2011.
- d) 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 towards south facing walls as and when made applicable in future.
- e) The Project Proponent shall utilise fly ash bricks in masonry works.
- f) At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc.

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would be considered as previous surface.

- g) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- h) Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- i) Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate re circulation lines for flushing by giving dual plumbing system be done.
- j) The project proponent will provide landscape bed of 600mm wide X 600mm deep along the periphery of the plot to carry out plantation of trees. The treated water will be pumped through high flow drips on these beds to prevent outflow of treated sewage water outside the premises.
- k) Areas which are marked as No Development Zone (NDZ) should be clearly marked on site and no construction shall be carried out in the said NDZ. Land Profile of NDZ shall not be altered.
- l) No construction shall be done over the portion of land, shown as open space in the site plan.
- m) Project Proponent should obtain all the requisite permissions/NOCs/Licenses etc from all the competent authorities before commencement of any activity at site.
- n) *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 to enable installation of solar panels including battery storage system. In addition south facing walls to be utilized to installed solar panels to harness optimum solar energy. Use of solar panels may be done to the extend possible like installing solar street lights, Project Proponent should installed after checking feasibility solar plus hybrid conventional source as source of energy. PP should ensure storage of solar and release in the grid during peak hours.
- o) Solar based electric power shall be provided to each unit for atleast two bulbs / lights and one fan. As proposed central lighting and street lighting shall also be based on solar power.
- p) 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. Judgments / 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.
- q) Project Proponent should ensure and ascertain that 'civil plans' which were submitted

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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. This environmental clearance is issued with respect to the environmental considerations and it does not mean that Goa-SEIAA approved the proposed land.

- r) A complete set of all the documents submitted to Goa-SEIAA should be forwarded local authority, GSPCB and Planning authority.
- s) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the Goa-SEAC.
- t) A copy of the environmental clearance letter shall be sent by PP to the concerned Municipality 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.
- u) 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.
- v) The Project Proponent shall use construction debris for land filling wherever applicable and dispose the Construction & Demolition waste in compliance to the Construction and Demolition Waste Management Rules. The Project Proponent shall indicate disposal of Construction & Demolition Debris on the site indicated viz. Porvorim & Pernem showing the Survey No, Village etc as clarified by Project Proponent during SEAC meeting held on 04/10/2023.
- w) Bore well water is not to be used for construction phase, only used for drinking purpose and PP should maintain the meter reading on regular basis.
- x) Project Proponent should install Bio-gas plant to treat the Bio degradable waste.
- y) Building shall be constructed as per Green Building norms of GRIHA/ ASSOCHAM GEM/IGBC with rating standards of 3 stars/ 3 GEM/gold respectively.
- z) Building should be constructed as per National Building Code 2016 part-IV.
- aa) Project Proponent should do Corporate Social Responsibility and Corporate Environmental Responsibility as recommended/approved by Goa - SEAC/ Goa SEIAA.
- ab) As per office memorandum issued by MoEF&CC dated 1st May 2018, some of the activities which can be carried out in CER, are infrastructure creation for Drinking Water Supply, Sanitation, Health, Education, Skill Development, Roads, Cross Drains, Electrification including Solar Power, Solid Waste Management Facilities, Scientific Support and Awareness to Local Farmers to increase yield of crop and fodder, Rain Water Harvesting, Soil Moisture Conservation Works, Avenue Plantation, Plantation in Community areas, etc.
- ac) The Project Proponent needs to plant local varieties of fruit bearing trees with large canopy in the area marked as open space of the project.

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3. To decide on application received from Sameer Gobre for proposed laterite stone quarry having lease area of 2Ha bearing Survey No. 13/0, Velguem village, Bicholim taluka, North Goa for prior Environmental Clearance.

The Project Proponent Sameer Gobre along with his team appeared before the Authority and explained details of the project.

Decision: After scrutinizing and perusing the documents submitted by the Project Proponent, the Authority directed the Project Proponent to submit the details of activities to be undertaken under CER. Further, the Authority decided to grant the Environmental Clearance under following conditions:

1. The project proponent is required to mandatorily comply with the following 'General conditions'
 - a) 'Goa Mineral Concession (Amendment) Rules, 2012' notified by the Directorate of Mines and Geology (DMG) and published in Official Gazette Series-I, No. 24 dated 17th September 2012.
 - b) Notification S. O. 733 (E) dated 10th March 2014 issued by the erstwhile Ministry of Environment and Forests (MoEF) and published in the Gazette of India – Extraordinary, No. 624, Part-II, Section 3, Sub-section (ii) dated 10th March 2014 **specifying the list of villages categorized as Ecologically Sensitive Areas (ESAs) in the State of Goa** *vis-a-vis* list of projects and activities prohibited / regulated therein.
 - c) Notification S.O 3977 (E) dated 14th August 2018 issued by the Ministry of Environment, Forests and Climate Change (*MoEF&CC*) issued under sub-section (1) and clause (v) of sub-section (2) of section 3 of the Environment (Protection) Act, 1986 read with clause (d) of sub-rule (3) of rule 5 of the Environment (Protection) Rules, 1986.
 - d) The lease holder should ascertain on-site demarcation and construction of lease boundary with cement poles/ bio-fencing/ barbed wire for the proposed leased area in question. The lease boundary may be subsequently geo-referenced for precise positioning and ground-truth verification. As such, the lease holder should ensure that minor mineral quarrying operations are restricted within the prescribed lease boundary.
 - e) The lease holder should ensure construction of approach road/ proper access to enable transportation of quarried material from site to desired destination and/or crushing unit, as applicable. Transportation of quarried material shall be done by covering the trucks with tarpaulin so that no spillage of material/ dust takes place on route.
 - f) The lease holder should comply with the proposed plan of action/ *modus operandi* for extraction of basalt stones within the available lease boundary limits in terms of provisions of Mines and Safety Rules/ Guidelines, as applicable. In addition, safety gadgets and health-care facilities should be provided to workers *vis-a-vis* maintaining hygiene surrounding the proposed lease boundary.
 - g) The lease holder shall undertake adequate safeguard measures during extraction of basalt stone and ensure that due to this activity, the hydro-geological regime of the surrounding area shall not be affected/ altered/ polluted. Quarrying operations should

be limited to **day-hours time** (06 a.m. to 06 p.m. only) with specified time reserved for 'blasting'. Regular monitoring of groundwater levels and its physico-chemical quality parameters shall be carried out around the quarry lease area (for minimum two locations of permanent water sources/ open well/ borewell). If there are no groundwater sources, then nearest perennial surface water sources (*i.e. stream/ river/ pond/ lake/ reservoir/ irrigational canal*) should be monitored for similar parameters on quarterly basis and/or seasonally (*i.e. pre-monsoon/ monsoon and post-monsoon*).

- h) No quarrying be carried out within the safety zone of any bridge and/or embankment as well as within the vicinity of natural/ man-made archaeological site(s).
- i) The lease holder shall implement air pollution control measures/ dust minimizing initiatives/ noise control measures, wherever applicable, within the lease area as well as establish adequate buffer zone around the lease boundary to minimize such pollution hazards. It should be ensured that the Ambient Air Quality (AAQ) parameters (*to be measures in January, April and November every-year*) as well as Noise parameters conform to the norms prescribed by the Central Pollution Control Board (CPCB) and Noise Pollution (Control) Rules, 2000 respectively.
- j) Green belt development around quarry shall be carried out considering CPCB guidelines including selection of plant species in consultation with Forest Department/ Zonal Agricultural Office, as applicable.
- k) The lease holder shall obtain necessary prior permission (NOC) from the Groundwater Cell of the Water Resources Department (WRD) for drawl of surface / groundwater from within the lease area.
- l) Waste water / effluents, if any, shall be properly collected, treated and monitored so as to conform to the standards prescribed by the MoEF / CPCB.
- m) Environmental clearance (EC) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority, if applicable.
- n) The mining officer / in-charge of quarrying operations on-site shall submit six-monthly report in hard and soft copy formats w.r.t. specifying the status of compliance of the stipulated Environmental Clearance conditions (*i.e. Specific and General conditions*) to the Directorate of Mines and Geology (DMG), Goa, this Authority as well as Goa State Pollution Control Board (GSPCB).
- o) Any change (*i.e. modification/ expansion/ alteration*) in lease area / quarrying operations / extraction capacity/ modernization/ scope of working/ Environment management plan (EMP) shall require re-appraisal by this Authority as per the provisions of the EIA Notification, 2006 (*as amended till date*).
- p) All necessary statutory clearances from relevant Authorities concerned shall be obtained before start of quarrying operations.
- q) The Authority reserves the right to add any stringent conditions or to revoke the EC, if conditions stipulated are not implemented / complied with to the satisfaction of the Authority or for that matter, for any other administrative reasons.
- r) Any appeal against this prior Environmental Clearance shall lie before the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010 (*Central Act 19 of 2010*).

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2. Project Proponent should implement Dust mitigation measures for mining activities such as:

- a) Roads leading to or at quarrying sites must be paved and blacktopped (i.e metalled roads).
- b) No excavation of soil shall be carried out without adequate mitigation measures in place.
- c) No loose soil or sand and any other waste material that causes dust shall not be left uncovered.
- d) Wind-breakers of appropriate height and maximum upto 10 meters shall be provided.
- e) Water sprinkling system shall be put in place.
- f) Dust mitigation measures shall be displayed prominently at the quarrying site for easy public viewing.
- g) Grinding and cutting of materials in open area shall be prohibited.
- h) Raw material and waste should be stored only within earmarked area and roads side storage of material and waste shall be prohibited.
- i) No uncovered vehicles carrying excavated material and waste shall be permitted.
- j) Excavation and disposal site shall be identified and required dust mitigation measures shall be notified at the site.

3. In addition, the Project Proponent needs to comply with the following ' Specific conditions'

- a) The proposed extraction capacity of minor mineral (laterite stone) from the said leases (i.e. from 2 ha) shall not exceed 12000 M³ per annum.)
- b) As referred to in the Environment Management Plan (EMP), dust suppression measures (i.e. water sprinklers) to be undertaken regularly at specific interval during the daytime / quarry-operations.
- c) As per the Office Memorandum No. F.No.22-65/2017-IA.III dated 01/05/2018 Project Proponent is mandated to do Corporate Environmental Responsibility (CER).
- d) As per office memorandum issued by MoEF&CC dated 1st May 2018, some of the activities which can be carried out in CER, are infrastructure creation for Drinking Water Supply, Sanitation, Health, Education, Skill Development, Roads, Cross Drains, Electrification including Solar Power, Solid Waste Management Facilities, Scientific Support and Awareness to Local Farmers to increase yield of crop and fodder, Rain Water Harvesting, Soil Moisture Conservation Works, Avenue Plantation, Plantation in Community areas, etc.
- e) Project Proponent should provide fencing around the quarry pit.
- h) Validity of the Environmental Clearance (EC) accorded shall be for a period of 07 (seven) years or life of the mine whichever is earlier from the date of its issue or coterminous with the lease period.
- f) Before expiry of validity of the Environmental Clearance the Project Proponent shall back-fill the laterite quarry and restore to its original level and carry out plantation in

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consultation with Goa State Biodiversity Board.

4. To decide on application received from Mariano Rosario for Basalt Quarry bearing lease No. 03/Basalt/18 located at Survey No. 72/1B of village Santana of Sanguem taluka, South Goa for prior Environmental Clearance.

The Project Proponent Shri Rosario Fernandes along with his team appeared before the Authority and explained details of the project.

Decision: After scrutinizing and perusing the documents submitted by the Project Proponent, the Authority directed the Project Proponent to submit the details of activities to be undertaken under CER. Further, the Authority decided to grant the Environmental Clearance under following conditions:

1. The project proponent is required to mandatorily comply with the following 'General conditions'

- a) 'Goa Mineral Concession (Amendment) Rules, 2012' notified by the Directorate of Mines and Geology (DMG) and published in Official Gazette Series-I, No. 24 dated 17th September 2012.
- b) Notification S. O. 733 (E) dated 10th March 2014 issued by the erstwhile Ministry of Environment and Forests (MoEF) and published in the Gazette of India – Extraordinary, No. 624, Part-II, Section 3, Sub-section (ii) dated 10th March 2014 specifying the list of villages categorized as Ecologically Sensitive Areas (ESAs) in the State of Goa *vis-a-vis* list of projects and activities prohibited / regulated therein.
- c) Notification S.O 3977 (E) dated 14th August 2018 issued by the Ministry of Environment, Forests and Climate Change (MoEF&CC) issued under sub-section (1) and clause (v) of sub-section (2) of section 3 of the Environment (Protection) Act, 1986 read with clause (d) of sub-rule (3) of rule 5 of the Environment (Protection) Rules, 1986.
- d) The lease holder should ascertain on-site demarcation and construction of lease boundary with cement poles/ bio-fencing/ barbed wire for the proposed leased area in question. The lease boundary may be subsequently geo-referenced for precise positioning and ground-truth verification. As such, the lease holder should ensure that minor mineral quarrying operations are restricted within the prescribed lease boundary.
- e) The lease holder should ensure construction of approach road/ proper access to enable transportation of quarried material from site to desired destination and/or crushing unit, as applicable. Transportation of quarried material shall be done by covering the trucks with tarpaulin so that no spillage of material/ dust takes place on route.
- f) The lease holder should comply with the proposed plan of action/ modus operandi for extraction of basalt stones within the available lease boundary limits in terms of provisions of Mines and Safety Rules/ Guidelines, as applicable. In addition, safety gadgets and health-care facilities should be provided to workers vis-a-vis maintaining hygiene surrounding the proposed lease boundary.
- g) The lease holder shall undertake adequate safeguard measures during extraction of basalt stone and ensure that due to this activity, the hydro-geological regime of the surrounding area shall not be affected/ altered/ polluted. Quarrying operations should





be limited to **day-hours time** (06 a.m. to 06 p.m. only) with specified time reserved for 'blasting'. Regular monitoring of groundwater levels and its physico-chemical quality parameters shall be carried out around the quarry lease area (for minimum two locations of permanent water sources/ open well/ borewell). If there are no groundwater sources, then nearest perennial surface water sources (*i.e. stream/ river/ pond/ lake/ reservoir/ irrigational canal*) should be monitored for similar parameters on quarterly basis and/or seasonally (*i.e. pre-monsoon/ monsoon and post-monsoon*).

- h) No quarrying be carried out within the safety zone of any bridge and/or embankment as well as within the vicinity of natural/ man-made archaeological site(s).
- i) The lease holder shall implement air pollution control measures/ dust minimizing initiatives/ noise control measures, wherever applicable, within the lease area as well as establish adequate buffer zone around the lease boundary to minimize such pollution hazards. It should be ensured that the Ambient Air Quality (AAQ) parameters (*to be measures in January, April and November every-year*) as well as Noise parameters conform to the norms prescribed by the Central Pollution Control Board (CPCB) and Noise Pollution (Control) Rules, 2000 respectively.
- j) Green belt development around quarry shall be carried out considering CPCB guidelines including selection of plant species in consultation with Forest Department/ Zonal Agricultural Office, as applicable.
- k) The lease holder shall obtain necessary prior permission (NOC) from the Groundwater Cell of the Water Resources Department (WRD) for drawl of surface / groundwater from within the lease area.
- l) Waste water / effluents, if any, shall be properly collected, treated and monitored so as to conform to the standards prescribed by the MoEF / CPCB.
- m) Environmental clearance (EC) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority, if applicable.
- n) The mining officer / in-charge of quarrying operations on-site shall submit six-monthly report in hard and soft copy formats w.r.t. specifying the status of compliance of the stipulated Environmental Clearance conditions (*i.e. Specific and General conditions*) to the Directorate of Mines and Geology (DMG), Goa, this Authority as well as Goa State Pollution Control Board (GSPCB).\
- o) Any change (*i.e. modification/ expansion/ alteration*) in lease area / quarrying operations / extraction capacity/ modernization/ scope of working/ Environment management plan (EMP) shall require re-appraisal by this Authority as per the provisions of the EIA Notification, 2006 (*as amended till date*).
- p) All necessary statutory clearances from relevant Authorities concerned shall be obtained before start of quarrying operations.
- q) The Authority reserves the right to add any stringent conditions or to revoke the EC, if conditions stipulated are not implemented / complied with to the satisfaction of the Authority or for that matter, for any other administrative reasons.
- r) Any appeal against this prior Environmental Clearance shall lie before the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010 (*Central Act 19 of 2010*).

2. Project Proponent should implement Dust mitigation measures for mining activities such as:

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- a) Roads leading to or at quarrying sites must be paved and blacktopped (i.e metalled roads).
- b) No excavation of soil shall be carried out without adequate mitigation measures in place.
- c) No loose soil or sand and any other waste material that causes dust shall not be left uncovered.
- d) Wind-breakers of appropriate height and maximum upto 10 meters shall be provided.
- e) Water sprinkling system shall be put in place.
- f) Dust mitigation measures shall be displayed prominently at the quarrying site for easy public viewing.
- g) Grinding and cutting of materials in open area shall be prohibited.
- h) Raw material and waste should be stored only within earmarked area and roads side storage of material and waste shall be prohibited.
- i) No uncovered vehicles carrying excavated material and waste shall be permitted.
- j) Excavation and disposal site shall be identified and required dust mitigation measures shall be notified at the site.

3. In addition, the Project Proponent needs to comply with the following ' Specific conditions'

- a) The proposed extraction capacity of minor mineral (Basalt stone) from the said leases (i.e. from 1.522ha) shall not exceed 5000M³ per annum.)
- b) As referred to in the Environment Management Plan (EMP), dust suppression measures (i.e. water sprinklers) to be undertaken regularly at specific interval during the daytime / quarry-operations.
- c) As per the Office Memorandum No. F.No.22-65/2017-IA.III dated 01/05/2018 Project Proponent is mandated to do Corporate Environmental Responsibility (CER).
- d) As per office memorandum issued by MoEF&CC dated 1st May 2018, some of the activities which can be carried out in CER, are infrastructure creation for Drinking Water Supply, Sanitation, Health, Education, Skill Development, Roads, Cross Drains, Electrification including Solar Power, Solid Waste Management Facilities, Scientific Support and Awareness to Local Farmers to increase yield of crop and fodder, Rain Water Harvesting, Soil Moisture Conservation Works, Avenue Plantation, Plantation in Community areas, etc.
- e) Project Proponent should provide fencing around the quarry pit.
- i) Validity of the Environmental Clearance (EC) accorded shall be for a period of 07 (seven) years or life of the mine whichever is earlier from the date of its issue or coterminous with the lease period.

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5. To decide on application received from M/s Pacifica Hotels India Private Limited for proposed construction of hotel project 'Hyatt Regency' in plot bearing Survey No. 31/1-A-1 of Pilerne village, Bardez Goa for prior Environmental Clearance.

The Project Proponent Shri Adhinav Kapoor along with his team appeared before the Authority and explained details of the project.

Decision: After scrutinizing and perusing the documents submitted by the Project Proponent, the Authority directed the Project Proponent to submit the details of activities to be undertaken under CER. Further, the Authority decided to grant the Environmental Clearance under following conditions:

- a) The Project Proponent should use Ready-Mixed Concrete (RMC) to minimize air/water/land pollution and water usage during the construction phase.
- b) Project Proponent 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.
- c) Project Proponent should not disturb the natural drainage and as far as possible maintain the original topography while designing for landscape development by planting local plant species and which are not alien to the prevailing environment.
- d) Project Proponent 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.
- e) 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.
- f) The construction gross built up area of proposed construction is **35706 sq. mts** shall be in accordance with the existing FSI/ FAR norms of the local body and planning authorities and it should ensure the same along with survey number before approving layout plan and before according commencement certificate to proposed work.
- g) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
- h) 'Consent to Establish' shall be obtained from the Goa State Pollution Control Board (GSPCB) under Air Act and Water Act, as applicable, failing which the Environmental Clearance herein shall be deemed to be withdrawn and a copy shall be submitted to the Authority within 30 days of starting construction work at site.
- i) 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 needs to inform this Authority.
- j) 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. The safe

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disposal of waste water and solid waste generated during the construction phase should be ensured.

- 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) 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.
- p) Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary authorisation of the GSPCB.
- q) 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.
- r) 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.
- s) The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquakes, adequacy of fire fighting equipment etc. as per National Building Code (NBC) including measures from lighting.
- t) Storm water controlled and its re-use as per Central Ground Water Board (CGWB) and Bureau of Indian Standards (BIS) for various applications.
- u) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- v) 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.
- w) Roof should meet prescriptive requirement as per energy conservation building code by using appropriate thermal insulation material.
- x) Energy conservation measures like installation of only for 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. Used of LED's, 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.

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- y) 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.
- z) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided by providing separate entry and exit gate. Parking should be fully internalized and no public place should be utilized.
- aa) The Project Proponent will lay a direct line for disposal to sewerage network of common STP or else Project Proponent shall make suitable provision for sewage disposal by providing Sewage Treatment Plant on site. The STP should be certified by independent expert and adequacy report in this regard should be submitted to GSPCB before the project is commissioned for operation. Necessary measures to be made to mitigate the odour problem from STP. Sewage Treatment Plant should be with operation and maintenance after commissioning/ completion of project with minimum period of 5 years.
- ab) 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 fulfill requirement.
- ac) The buildings should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
- ad) 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.
- ae) 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 EC.
- af) Six monthly compliance reports should be submitted to the MoEF&CC with copy to the Goa-SEIAA and GSPCB in hard as well as soft copy format for the period upto the Project completion.

2. Project Proponent should implement Dust mitigation measures for construction activities such as:

- a) Roads leading to or at construction sites must be paved and blacktopped (i.e metallic roads).
- b) No excavation of soil shall be carried out without adequate mitigation measures in place.
- c) No loose soil or sand or construction and demolition waste or any other construction material that causes dust shall be left uncovered.
- d) Wind-breakers of appropriate height i.e $\frac{1}{3}$ rd of the building height and maximum upto 10 meters shall be provided.
- e) Water sprinkling system shall be put in place.
- f) Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.
- g) New serial No. '107' has been inserted which relates to mandatory implementation of

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dust mitigation measures for all construction and demolition activities.

- h) Grinding and cutting of building materials in open area shall be prohibited.
- i) Construction material and waste should be stored only within earmarked area and roadside storage of construction material and waste shall be prohibited.
- j) No uncovered vehicles carrying construction material and waste shall be permitted.
- k) Construction and demolition waste processing and disposal shall be managed as per construction and demolition waste Management rules 201

3. **Further**, the Committee decided to direct the Project Proponent to comply with the following **"General Conditions" during post-construction phase:-**

- a) 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.
- b) The Project Proponent 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.
- c) The Project Proponent should provide facilities for storage and segregation of waste generated in three separate streams i.e bio-degradable, Non bio-degradable and domestic hazardous waste in suitable bins and handover segregated wastes to authorized waste pickers or waste collectors as per the directions or notifications by the local Authorities and Goa State Pollution Control Board.
- d) 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.
- e) Project Proponent shall store separately construction and demolition waste, as and when generated, in their own premises and shall be disposed of as per the Construction and Demolition Waste Management Rules 2016.
- f) The Project Proponent store horticultural waste and garden waste in their own premises and shall be disposed as per the directions of the local bodies.
- g) The Project Proponent in partnership with local bodies shall ensure segregation of waste at source by the generators as prescribe in the rules, facilitate collection of segregated waste in separate streams, handover recyclable material to either the authorized waste pickers or the Authorized recyclers. The bio-degradable waste shall be processed, treated and disposed off through composting or bio- methanation within the premises as far as possible. The residual waste shall be given to the waste collector or agency as directed by the local body.
- h) Noise should be controlled to ensure that it does not exceed the prescribed standards both during day & night time.
- i) 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.

- j) Energy Conservation measures such as solar lighting for common area, solar water heating system, LED's for lighting of areas, LED lights for signage, solar inverters on the etc should be adopted.
- k) Used LED lights should be properly collected and disposed off/sent for recycling as per the prevailing guidelines / rules of the regulatory authority to avoid mercury contamination.
- l) 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.
- m) 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.

4. Specific Conditions

- a) The approach road leading to the site should be constructed prior to commencement of any construction activity at site as per the regulations of the Town & Country Planning Department.
- b) Project Proponent 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.
- c) Project Proponent needs to ensure that no treated water or any waste sewage shall be discharged into any water body. E-waste shall be disposed through Authorized vendor as per E-waste (*Management and Handling*) Rules, 2011.
- d) 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 towards south facing walls as and when made applicable in future.
- e) The Project Proponent shall utilise fly ash bricks in masonry works.
- f) At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.
- g) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- h) Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building







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- i) Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate re circulation lines for flushing by giving dual plumbing system be done.
- j) The project proponent will provide landscape bed of 600mm wide X 600mm deep along the periphery of the plot to carry out plantation of trees. The treated water will be pumped through high flow drips on these beds to prevent outflow of treated sewage water outside the premises.
- k) Areas which are marked as No Development Zone (NDZ) should be clearly marked on site and no construction shall be carried out in the said NDZ. Land Profile of NDZ shall not be altered.
- l) No construction shall be done over the portion of land, shown as open space in the site plan.
- m) Project Proponent should obtain all the requisite permissions/NOCs/Licenses etc from all the competent authorities before commencement of any activity at site.
- n) *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 to enable installation of solar panels including battery storage system. In addition south facing walls to be utilized to installed solar panels to harness optimum solar energy. Use of solar panels may be done to the extend possible like installing solar street lights, Project Proponent should installed after checking feasibility solar plus hybrid conventional source as source of energy. PP should ensure storage of solar and release in the grid during peak hours.
- o) Solar based electric power shall be provided to each unit for atleast two bulbs / lights and one fan. As proposed central lighting and street lighting shall also be based on solar power.
- p) 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. Judgments / 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.
- q) Project Proponent 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. This environmental clearance is issued with respect to the environmental considerations and it does not mean that Goa-SEIAA approved the proposed land.
- r) A complete set of all the documents submitted to Goa-SEIAA should be forwarded local authority, GSPCB and Planning authority.
- s) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the Goa-SEAC.

- t) A copy of the environmental clearance letter shall be sent by PP to the concerned Municipality 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.
- u) 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.
- v) The Project Proponent shall use construction debris for land filling wherever applicable and dispose the Construction & Demolition waste in compliance to the Construction and Demolition Waste Management Rules. The Project Proponent shall indicate disposal of Construction & Demolition Debris on the site indicated viz. Porvorim & Pernem showing the Survey No, Village etc as clarified by Project Proponent during SEAC meeting held on 04/10/2023.
- w) Bore well water is not to be used for construction phase, only used for drinking purpose and PP should maintain the meter reading on regular basis.
- x) Project Proponent should install Bio-gas plant to treat the Bio degradable waste.
- y) Building shall be constructed as per Green Building norms of GRIHA/ ASSOCHAM GEM/IGBC with rating standards of 3 stars/ 3 GEM/gold respectively.
- z) Building should be constructed as per National Building Code 2016 part-IV.
- aa) Project Proponent should do Corporate Social Responsibility and Corporate Environmental Responsibility as recommended/approved by Goa - SEAC/ Goa SEIAA.
- ab) As per office memorandum issued by MoEF&CC dated 1st May 2018, some of the activities which can be carried out in CER, are infrastructure creation for Drinking Water Supply, Sanitation, Health, Education, Skill Development, Roads, Cross Drains, Electrification including Solar Power, Solid Waste Management Facilities, Scientific Support and Awareness to Local Farmers to increase yield of crop and fodder, Rain Water Harvesting, Soil Moisture Conservation Works, Avenue Plantation, Plantation in Community areas, etc.
- ac) The Project Proponent needs to plant local varieties of fruit bearing trees with large canopy in the area marked as open space of the project.

6. Any other matter with permission of the chair.

- i. **To decide on letter received from Christopher Furtado for requesting to issue an order with effect to revision in Validity of Environmental Clearance existing Basalt Stone Quarry located in Survey No. 13/2(Part), of Cordem village, Quepem taluka, Goa.**

The Project Proponent Mr. Jason Furtado along with his team appeared before the Authority and explained details of the project.







Decision: After scrutinizing the letter submitted by Project Proponent and the Notification issued by MoEF&CC dated 12/04/2022, the Authority noted that the validity of Environment Clearance shall be counted from the date of execution of Lease and as referred to the letter given by Project Proponent dated 16/11/2023 the Lease execution date is on 06/01/2016.

In view of the above, the Authority unanimously decided to extend the validity of Environment Clearance issued on 22/05/2015 up to **05/01/2024**.

- ii. To decide on application for corrigendum in ToR issued to Goa Ispat Pvt. Ltd. for Expansion of production capacity of MS Billets from 59500 TPA to 240000 TPA and TMT Bars from 120000 TPA to 240000 TPA at Plot No.E-6 &E-7 at Madkaim Industrial Estate, Madkaim, Ponda Goa.

Decision: After scrutinizing the documents submitted by the Project Proponent, the Authority decided to issue corrigendum in the ToR dated 20/11/2023 issued to Goa Ispat Pvt.Ltd, the "Plot/Survey No.01, Navelim Village, Bicholim Industrial Estate Bicholim, North Goa" mentioned in the ToR issued **should be read as** "Plot No.E-6 &E-7 at Madkaim Industrial Estate, Madkaim, Ponda Goa." instead of *"Plot/Survey No.01, Navelim Village, Bicholim Industrial Estate Bicholim, North Goa"*

- iii. To decide on corrigendum in EC issued to Mukul Gaonkar for proposed stone quarry bearing Survey No. 38, Codar village, Ponda taluka, North Goa for prior Environmental Clearance.

Decision: After scrutinizing the documents submitted by the Project Proponent, the Authority decided to issue corrigendum in the Environmental Clearance dated 14/11/2023 issued to Mr. Mukul Gaonkar, the proposed "Plot/Survey No.38/0 of Cudne village, Bicholim Taluka North-Goa" mentioned in the EC copy issued **should be read as** "Plot/Survey No.38/0 of Codar village, Ponda Taluka, South – Goa instead of *"Plot/Survey No.38/0 of Cudne village, Bicholim Taluka North-Goa."*

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iv. To decide on letter received from DLF Limited for corrections in the Amended Environmental Clearance dated 19/10/2023 issued to DLF Limited for Commercial project at plot no.35, EDS plor estate, Patto Plaza, Panaji Goa.

Decision: After scrutinizing the letter submitted by the Project Proponent, the Authority decided to issue corrigendum in the Environmental Clearance dated 19/10/2023 issued to DLF Limited for Commercial project at plot no.35, EDS plot estate, Patto Plaza ,Panaji Goa as follows

- I. Page No. 3 point No.1(i) shall be read as "Rooftop rainwater of buildings will be collected in 1 RWH tank of total 170 cum capacity for harvesting after filtration." instead of 176 cum.
- II. Page No.2 point No.(l) "Power Requirement during Operation Phase :4736KVA" instead of "4637KVA"

v. To decide on professional fees towards appearance of Advocate Devidas J. Pangam before the Hon'ble High Court of Bombay at Goa.

Decision: The Authority after scrutinizing and perusing the memo of professional fees submitted by the Adv. General and the Order no.SS (Law)/AG/2007/543 Dated 08/04/2013, the Authority noted the following:-

1.	Fees for appearance before the High Court /Professional fees for each hearing	Rs. 10,000/- (Rupees Ten thousand only)per case per day before the High Court in respect of all cases, except matters listed for Court "Orders" where fees shall be Rs.3000/- (Rupees Three Thousand only)per case per day provided that the maximum amount of fees shall not exceed Rupees Eight Lakhs per month.
2.	House Rent Allowance:	Fully furnished rent free Government accommodation shall be provided, OR in leiu threrof an amount of Rs. 20,000/- (Rupees twenty thousand only)per month.
3.	Fees for appearance before the Supreme Court	Fees of Rs. 75,000/- (Rupees Seventy five thousand only) per official visit to new Delhi for conferences/per appearance per day in special leave Petitions Writ

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		Petition, Civil applications
4.	Staff	As applicable to the Cabinet Minister from time to time.

In view of the above the Authority decided to approve Memo of professional fees towards appearance of Advocate Devidas J. Pangam before the Hon'ble High Court of Bombay at Goa in the following matter.

1. P.I.L. Writ No. 756/2023(F) filed by GAKUVED & 9 Ors. v/s State of Goa & Ors. on 03/07/2023, 12/07/2023, 02/08/2023 and 07/08/2023
2. P.I.L. WP-12/2023-Telotin Domingo Cabo & 3 Ors. v/s State of Goa & Ors. on 21/08/2023.
3. MCA/348/2023-Pradnya Zoivant Poi Cano v/s State of Goa & 9 Ors. on 23/08/2023.
4. MCA/166/2023(F) IN P.I.L. WP No.17/2018-MRF LTD v/s Village Panchayat of Usgao-Ganjam & 8 Ors. on 13/09/2023.
5. MCA/429/2023 IN P.I.L. WP No.17/2018- MRF LTD v/s Dhatwada Usgao Citizens Forum & Anr on 27/09/2023.
6. Along with the pre receipted bill of Adv. Maria Simone Judith Correia before the Hon'ble High Court of Bombay at Goa in P.I.L. Writ No. 756/2023(F) filed by GAKUVED & 9 Ors. v/s State of Goa & Ors. on 03/07/2023, 12/07/2023 and 02/08/2023.

vi. To decide on a bonus scheme issued by the Finance (Expenditure) Department, Government of Goa and Office Memorandum dated 17/10/2023 issued by the Ministry of Finance, Department of Expenditure, Government of India regarding grant of non-productivity linked Bonus (ad-hoc bonus) to Central Government Employee for the year 2022-2023.

The State Government has been decided to make it applicable to employees of the State Government, with condition that all employees in Group C and all non gazette employees in Group B drawing Grade Pay Rs. 4600/- and above shall not covered under the present scheme. However only those employees who were in service as 31/03/2023 and have rendered at least six months of continuous service during the year 2022-2023 will be eligible. The said Bonus is applicable to the employees of Autonomous Bodies (partly) or fully funded by the Government only the said bodies

Signature

Signature

Signature

follow the pattern of emoluments identical to that of Government and do not have any bonus or ex-gratia or incentive scheme in operation.


As per the conditions laid down in Office Memorandum dated 17/10/2023 issued by the Ministry of Finance, Department of Expenditure, Government of India, the said conditions are fulfilled by the staff of the State Environment Impact Assessment Authority. However, the following staff have not availed the benefit of the same. The name of the staff are as follows:

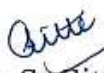
1. Miss Riddhi R. Shetye (Data Entry Operator) joined office on 05/02/2021.

Decision: The Authority has decided to approve the bonus and also to release the outstanding bonus to the left and eligible staff.

The meeting ended with thanks to chair.


(Smt. Reshma Mathew)
Member, Goa-SEIAA


(Shri. Suhas Godse)
Chairman, Goa-SEIAA


(Dr. Sneha S. Gitte, IAS)
Member Secretary, Goa-SEIAA

Place: Patto-Panaji
Date: 24th November 2023

Annexure - 1

Shri. Suhas Godse
Dr. Sneha S. Gitte, IAS
Smt. Reshma Mathew

Chairman, Goa-SEIAA
Member Secretary, Goa-SEIAA
Member, Goa-SEIAA

Annexure - 2

AGENDA OF THE 120TH GOA STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (GOA-SEIAA) MEETING ON 24/11/2023 AT 10.00 A.M. IN THE CONFERENCE ROOM OF THE 4TH FLOOR, DEMPO TOWER, PATTO, PANAJI-GOA.

1. To decide on application received from Ghanshyam Vaidya for proposed laterite rubble quarry having lease area of 0.4800Ha located on land bearing Survey No. 62/0, Codar village, Ponda taluka, North Goa for prior Environmental Clearance.
2. To decide on application received from Raj Housing Development Private Limited for proposed construction of a residential project "Raj Enclave" located in P.T. Sheet No. 8 of Chalta No. 01 in Mapusa Municipal Council area of Bardez Taluka, North Goa for prior Environmental Clearance.
3. To decide on application received from Sameer Gobre for proposed laterite stone quarry having lease area of 2Ha bearing Survey No. 13/0, Velguem village, Bicholim taluka, North Goa for prior Environmental Clearance.
4. To decide on application received from Mariano Rosario for Basalt Quarry bearing lease No. 03/Basalt/18 located at Survey No. 72/1B of village Santona of Sanguem taluka, South Goa for prior Environmental Clearance.
5. To decide on application received from M/s Pacifica Hotels India Private Limited for proposed construction of hotel project 'Hyatt Regency' in plot bearing Survey No. 31/1-A-1 of Pilerne village, Bardez Goa for prior Environmental Clearance.
6. Any other matter with permission of the chair.