

**MINUTES OF THE 43<sup>RD</sup> GOA STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (GOA-SEIAA) MEETING HELD ON 20<sup>TH</sup> APRIL 2018 AT 03.30 P.M. IN THE CONFERENCE ROOM OF THE GOA STATE POLLUTION CONTROL BOARD.**

The forty third meeting of the Goa-SEIAA (*hereinafter referred as 'Authority'*) was held on 20<sup>th</sup> March 2018 at 03.30 p.m. in the conference room of GSPCB, 1st 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 suitable decisions. Accordingly, the same were considered as detailed below ó

**1. M/s Umia Developers Pvt. Ltd.,** - for the proposed developmental activity in Sancoale area for the proposed developmental activity in Sancoale area. The Authority during 37<sup>th</sup> meeting held on 6<sup>th</sup> September 2017 decided to communicate to the PP whether the PP wants to go ahead with the proposed activity and the proposal to be taken up for consideration only after receive of suitable response to the letter. In case, no reply is received within a time-limit stipulated in the letter, it will be presumed that PP is not interested. Accordingly the project proponent has been communicated. Further Authority during its previous meeting (i.e. 42<sup>nd</sup> Goa-SEIAA meeting held on 16<sup>th</sup> March 2018 decided to carry out site inspection of the proposed site. The Authority conducted site inspection on 16<sup>th</sup> April 2018 wherein during inspection the Authority members noted that the project proponent has already started the construction activity for which environmental clearance (EC) has not been granted by the Authority. Also PP has not submitted the compliance with respect to

- i. D.G.C.A letter of consent/information about the high rise structure.
- ii. NOC for water supply from Public Works Department (PWD).

The Authority after detailed discussion and deliberation decided to issue Show Cause Notice to the Project Proponent as per the provision of section (5) of Environment (Protection) Act 1986 and to why penalty should not be levied for violation of EIA Notification 2006.

**2. M/s John Distilleries** for proposed expansion in the production capacity at a unit located at Cuncolim Industrial estate, Cuncolim. The site was visited by SEAC members on 25<sup>th</sup>

October 2016 and subsequently, PP made the project-specific presentation during the 80<sup>th</sup> meeting held on 22<sup>nd</sup> November 2016. Accordingly, the PP was requested to submit compliance to (a) Documentary evidence for approved boiler attendants, (b) Operational mechanism for scientific disposal of additional solid (*boiler waste / fermentation residues*) effluents generated during process and (c) Submit revised CSR Plan. Subsequently, the PP replied to these observations *vide letter no. JDPL/SEAC/16-17/003 dated 30<sup>th</sup> November 2016* which were considered during 82<sup>nd</sup> meeting held on 1<sup>st</sup> December 2016 and was recommended to Authority for grant of EC. The Authority during its 36<sup>th</sup> meeting scheduled on 6<sup>th</sup> December 2016 deferred the decision for want of time to peruse relevant project details in light of its validity expiring by 8<sup>th</sup> December 2016. The Authority during 37<sup>th</sup> meeting held on 6<sup>th</sup> September 2017 decided to communicate to the PP with directions to submit compliance to observations made by Goa-SEAC during its 80<sup>th</sup> meeting held on 22<sup>nd</sup> November 2016 w.r.t. operational mechanism for scientific disposal of additional solid (boiler waste / fermentation residues) effluents generated during process within a period of 45-days from the date of receipt of communication from the Goa-SEIAA. If the PP submits the said within time-limit, the said compliance report to be forwarded to the Goa-SEAC who will verify and inspect the site, for strict implementation of this observation. In case, the PP fails to submit the said compliance within the time-limit, the proposal shall be deemed to be rejected. Accordingly this Authority received a reply from the Project Proponent with regards to the same. Further Authority during its previous meeting (i.e. 42<sup>nd</sup> Goa-SEIAA meeting held on 16<sup>th</sup> March 2018 decided to carry out site inspection. Accordingly Authority members visited the site on 16<sup>th</sup> April 2018 wherein the Authority directed the PP to submit detailed CSRI budget carried out by project proponent. Accordingly this Authority received a reply from the Project Proponent with regards to the proposed Corporate Social Responsibility Initiative (CSRI). The Authority after detailed discussion and after perusal of the documents submitted by the PP decided to recommend the said proposal for grant of Environmental Clearance (EC ) under the provision of EIA notification 2006 (as amended) with following specific conditions :

- i. 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.

- ii. PP needs to ensure that no treated water or any waste sewage shall be discharged into any water body..
- iii. E-waste shall be disposed through Authorised vendor as per E-waste (*Management and Handling*) Rules, 2011.
- iv. 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.
- v. The Project Proponent shall utilise fly ash bricks in masonry works.
- vi. The PP shall use construction debris for land filling wherever applicable.
- vii. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- viii. 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.
- ix. 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.
- x. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing,

landscape irrigation, car washing, thermal cooling, conditioning, etc. shall be done.

- xi.** Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- xii.** Solar based electric power shall be provided to each unit for at least two bulbs/light and one fan. As proposed, central lighting and street lighting shall also be based on solar power.
- xiii.** 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 from the sewage treatment plant will be pumped through high flow drips on these beds to prevent outflow of treated sewage water outside the premises.
- xiv.** PP 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 dust mitigation measures in place.
  - c.** No loose soil or sand or Construction & Demolition Waste or any other construction material that causes dust shall be left uncovered.
  - d.** Wind-breaker of appropriate height i.e. 1/3rd of the building height and maximum up to 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 number 107ø has been inserted which relates to Mandatory Implementation of 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 road side 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 site shall be identified and required dust mitigation measures be notified at the site.

3. **M/s G. N. Constructions, Mumbai** project proposal seeking prior environmental clearance (EC) at survey no. 31/1-A-1 in Pilerne village, Bardez Taluka for proposed building construction project (*total plot area – 26,839 sq.mts., BUA – 39,179.85 sq.mts.*) (**Plot – A**) and (**Plot B**) (*total plot area – 16,322 sq.mts., BUA – 22,354.53 sq.mts.*) Goa ó SEAC (Committee) recommend the proposal to the Authority for the grant of prior environmental clearance (EC). The Goa-SEIAA (Authority) during its 41<sup>st</sup> Meeting held on 5<sup>th</sup> February 2018 perused all the documents vis -vis compliances submitted by Project proponent and the recommendations made by Goa-SEAC, decided to carry out site inspection of the proposed site. Accordingly Authority members carried out site inspection on 07<sup>th</sup> March 2018. Wherein Authority directed the project proponent to submit revised parking plan and proposed CSRI for the project. Accordingly PP has submitted the reply for the same. The Authority after perusing documents submitted by the PP and further detailed discussion and deliberation decide to recommend the said proposal for grant of Environmental Clearance (EC ) under the provision of EIA notification 2006 (as amended) with following specific conditions :

- xv. 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.
- xvi. PP needs to ensure that no treated water or any waste sewage shall be discharged into any water body..
- xvii. E-waste shall be disposed through Authorised vendor as per E-waste (*Management and Handling*) Rules, 2011.
- xviii. 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.
- xix. The Project Proponent shall utilise fly ash bricks in masonry works.
- xx. The PP shall use construction debris for land filling wherever applicable.

**xxi.** At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.

**xxii.** 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.

**xxiii.** 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.

**xxiv.** Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning, etc. shall be done.

**xxv.** Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.

**xxvi.** Solar based electric power shall be provided to each unit for at least two bulbs/light and one fan. As proposed, central lighting and street lighting shall also be based on solar power.

**xxvii.** 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 from the sewage treatment plant will be pumped through high flow drips on these beds to prevent outflow of treated sewage water outside the premises.

**xxviii.** PP 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 dust mitigation measures in place.
- c. No loose soil or sand or Construction & Demolition Waste or any other construction material that causes dust shall be left uncovered.
- d. Wind-breaker of appropriate height i.e. 1/3rd of the building height and maximum up to 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 number 1070 has been inserted which relates to Mandatory Implementation of 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 road side 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 site shall be identified and required dust mitigation measures be notified at the site.

4.

5. **M/s Mahadhan Real Estate** for construction activity proposed at Chimbel, Tiswadi taluka, North Goa district. Authority during its 37<sup>th</sup> meeting held on 06<sup>th</sup> September 2017 decided to communicate to the PP whether the PP wants to go ahead with the proposed activity and the proposal to be taken up for consideration only after receipt of suitable response to the letter. In case, no reply is received within a time-limit stipulated in the letter, it will be presumed that PP is not interested. Further said matter was discussed and deliberated during 41<sup>st</sup> Meeting held on 5<sup>th</sup> February 2018 perused all the documents vis - vis compliances submitted by Project proponent and the recommendations made by Goa-SEAC, decided to carry out site inspection of the proposed site. Accordingly Authority members carried out site inspection on 07<sup>th</sup> March 2018. The Authority after perusal of all the documents submitted by the PP and after detailed discussion and deliberation decided

to recommend the said proposal for grant of Environmental Clearance (EC ) under the provision of EIA notification 2006 (as amended) with following specific conditions :

**xxix.** 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.

**xxx.** PP needs to ensure that no treated water or any waste sewage shall be discharged into any water body..

**xxxi.** E-waste shall be disposed through Authorised vendor as per E-waste (*Management and Handling*) Rules, 2011.

**xxxii.** 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.

**xxxiii.** The Project Proponent shall utilise fly ash bricks in masonry works.

**xxxiv.** The PP shall use construction debris for land filling wherever applicable.

**xxxv.** At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.

**xxxvi.** 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.



- xxxvii.** 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.
- xxxviii.** Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning, etc. shall be done.
- xxxix.** Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- xl.** Solar based electric power shall be provided to each unit for at least two bulbs/light and one fan. As proposed, central lighting and street lighting shall also be based on solar power.
- xli.** 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 from the sewage treatment plant will be pumped through high flow drips on these beds to prevent outflow of treated sewage water outside the premises.
- xlii.** PP 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 dust mitigation measures in place.
  - c.** No loose soil or sand or Construction & Demolition Waste or any other construction material that causes dust shall be left uncovered.
  - d.** Wind-breaker of appropriate height i.e. 1/3rd of the building height and maximum up to 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 number 1070 has been inserted which relates to Mandatory Implementation of 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 road side 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 site shall be identified and required dust mitigation measures be notified at the site.

**6. M/s Classic square reality Pvt. Ltd** seeking prior environmental clearance (EC) for a building construction project (*total plot area – 15,568 sq.mts., BUA – 26,864.86 sq.mts.*) proposed on land bearing P.T. sheet no. 26 of Chalta nos. 3, 3A & 3B of Mapusa. The Authority during its 41st meeting held on 05<sup>th</sup> February 2018 decided to conduct site inspection of the proposed site . Accordingly the proposed site was inspected by members of Authority on 16<sup>th</sup> March 2018. Wherein the Authority directed the PP to submit revised parking plan details. Accordingly PP submitted the detailed parking plan , Authority after perusing all the documents submitted by PP and after detailed discussion and deliberation decided to recommend the said proposal for grant of Environmental Clearance (EC ) under the provision of EIA notification 2006 (as amended) with following specific conditions :

- xliii.** 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.
- xliv.** PP needs to ensure that no treated water or any waste sewage shall be discharged into any water body..
- xliv.** E-waste shall be disposed through Authorised vendor as per E-waste (*Management and Handling*) Rules, 2011.
- xlvi.** 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.

- xlvi.** The Project Proponent shall utilise fly ash bricks in masonry works.
- xlvi.** The PP shall use construction debris for land filling wherever applicable.
- xlix.** At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- I.** 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.
- ii.** 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.
- iii.** Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning, etc. shall be done.
- iiii.** Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- iv.** Solar based electric power shall be provided to each unit for at least two bulbs/light and one fan. As proposed, central lighting and street lighting shall also be based on solar power.
- iv.** 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 from the sewage treatment plant will be pumped through high flow drips on these beds to prevent outflow of treated sewage water outside the premises.

- lvi.** PP 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 dust mitigation measures in place.
  - c.** No loose soil or sand or Construction & Demolition Waste or any other construction material that causes dust shall be left uncovered.
  - d.** Wind-breaker of appropriate height i.e. 1/3rd of the building height and maximum up to 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 number 1070 has been inserted which relates to Mandatory Implementation of 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 road side 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 site shall be identified and required dust mitigation measures be notified at the site.

**7. M/s Nestle India Limited,** Proposed extension of industrial building at plot No. 294/1,2,3,4 and 297/0, Usgaon industrial area, Tisk Usgaon, Ponda, Goa this office is in receipt of a reply dated 16/03/2018 from the PP to the letter issued by this Authority w.r.t details on sustainable environmental management, solid and liquid waste management, rain water harvesting and recycled materials for proposed extension of industrial building. The said communication was perused by the Authority and after detailed discussion and deliberation Authority decided to drop the Show Cause Notice cum Stop Work order issued to the **M/s Nestle India Limited by this Authority** in view of the Office Memorandum (O.M.) published in the Gazette of India vide no. S.O. 3252(E), No. 2615, Part II, Section 3, Sub-section (ii), dated 22<sup>nd</sup> December 2014

8. Further Authority is in receipt of communication dated 13/02/2018 from the Director, **Sociedade De Fomento Industrial Private limited** with reference to proposed Rail freight Terminal for handling of multi cargo system in the property bearing survey nos. 33/1A, 1B, 34/1 to 9 01/1(part), 35/2, 35/4, 35/8 and 35/10 of village Assolda of Quepem Taluka , South Goa, grant of environmental clearance for requesting period of 18 months to submit the comprehensive EIA/EMP covering both the phases of the proposed project. The Authority after detailed discussion and deliberation decided to grant 18 months time period for the project proponent to submit detailed comprehensive EIA/EMP covering both phases of the proposed project.
9. Complaint letter dated 19/03/2018 regarding immediate removal of two multiple Antenna cell towers received from Maria Isuara Gomes and residents of Miramar Panaji Goa. The Authority noted that the erection of Antenna tower does not come under the purview of this Authority hence, the Authority after detailed discussion and deliberation decided to forward the complaint to Goa State Pollution Control Board to take necessary action in the said matter.
10. Representation received from citizens of villagers of Camurlim, Oxel-siolim and Parse Pedne and Agarwada Pedene and all the representatives from village Panchayat Camurlim, Goa regarding de-notification of the CC1 zone as per No.181-2010/STE-DIR/159 dated 01/10/2015. Authority after going through the said representation and after detailed discussion and deliberation decided to communicate the same to Directorate of Mines & Geology(DMG), Panaji Goa.

Meeting concluded with a vote of thanks to the chair.

Sd/-  
Adv. Joseph Vaz  
**Member, Goa-SEIAA**

Sd/-  
Mr. Parag Nagarcenkar  
**Member Secretary, Goa-SEIAA**

Sd/-  
Mr. Vivekanand L. Sawkar  
**Chairman, Goa-SEIAA**

Place: Patto, Panaji  
Date: April 2018