

**MINUTES OF THE 46<sup>TH</sup> GOA STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (GOA-SEIAA) MEETING HELD ON 12<sup>TH</sup> JUNE 2019 AT 03.30 P.M. IN THE CONFERENCE ROOM OF THE PT. DEENDAYAL BHAVAN, UPADHAY BHAVAN, PORVORIM, GOA.**

The Forty sixth meeting of the Goa-SEIAA (*hereinafter referred as 'Authority'*) was held on 12<sup>th</sup> June 2019 at 03.30 p.m. in the conference room of DPSE, 3<sup>rd</sup> floor, Pt. Deendayal Upadhyay Bhavan, Porvorim, Goa. The list of members present during the meeting is at *Annexure – 1*.

At the outset, Member Secretary 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 Mahindra Holidays & Resort India Ltd– Proposed amendment in Environmental clearance granted to Proposed Resort at survey no. 16/0 and 7/0, Moitem village ,Bardez, North Goa.**

SEAC (*hereinafter referred as 'committee'*) has noted that the earlier Goa-SEIAA had already granted environmental Clearance dated 22/03/2013. Now this office has received application for amendment in EC on 12/04/2018 for extension of validity. Subsequently, the proposed site was inspected by Goa-SEAC on 19<sup>th</sup> May 2018 and revisited on 25/09/2018. Subsequently, the Committee had called Project Proponent twice for project specific presentation. However, the Project Proponent intimated their unavailability on said dates.

Sr. No.	Project Details	Approved as per Earlier EC dated 22 <sup>nd</sup> March, 2013	As per Initial approval of TCP
1	Plot area	45,853 sq. m	45,853 Sqm
2	Deductions	1,629.64 sq.m	1,185.36 Sqm
3	Net plot area	44,223.36 sq.m	44,667.64 Sqm
4	Permissible FAR	22,926.50 sq.m	22,926.5 sq.m
5	Total construction area BUA	29,059.1 sq.m	21,412.2 Sqm
6	Occupancy	600	588
7	Development Proposed	16 Bldgs, Rooms -200 Restaurants(Seats- 575)	Rooms -196 Restaurants
8	Parking Required	100 nos.	98 nos.
9	Parking Provided	100 Nos	98 nos.

10	RG area	9,586 sq. m	7,997 Sqm
11	Open Space Required	6,877.80 Sqm	6,877.95 Sqm
12	Open Space provided	9,546.80 Sqm	7,997 Sqm
13	Ground Coverage	9,674.17 Sqm	11,125.98 Sqm

Further, committee appraised the said proposal as **“Category ‘B’ under 8(a) - Building/Construction projects”** based on the **“Schedule”** annexed to the EIA Notification, 2006 (*as amended*). Following the project-specific presentation *vis-a-vis* clarifications sought, the SEAC during its has decided to consider and recommend the proposal for grant of amendment in EC dated 22/03/2013 bearing no. 3 ó 181 ó 2010/STE-DIR/ 103 to the Goa-SEIAA without any further expansion with the following additional “Specific Conditions” to be complied with by the PP.

**Decision:** The Authority perused the documents submitted by the project Proponent *vis-a-vis* the recommendation by the Goa-SEAC. Further, Authority took note of the Notification bearing No. S.O.1141 (E) dated 29/04/2015 of Ministry of Environment & Forests and Climate Change (MOEF & CC) at para (ii) (a) whereby the validity of ECs has been extended to seven years. Accordingly, the Authority decided to extend the validity of EC dated 22/03/2013 bearing no. 3 ó 181 ó 2010/STE-DIR/ 103 for another 2 years i.e. till 21/03/2020 without any further expansion with the following additional **“Specific Conditions”** to be complied with by the PP:

1. PP submitted that MHRIL has maintained 100m Buffer Zone and doing Monthly monitoring at two locations (One upstream and one downstream) from MoEF& CC recognized laboratory. The same to be confirmed from WRD which is build at distance of 100mt from highway.
2. The STP is designed with two parallel streams (that is with two nos aeration tanks). Hence, upto 50% load, only one of the streams of STP will be used.
3. Treated water will be disinfected with ozonation prior to reuse.
4. All tanks are constructed in double protected R.C.C. with M- 30 Grade with proper precautions required for hydraulic structures
5. Moreover, all mechanical equipment like sewage pumps, aeration tank blowers, sludge pumps, filter feed pumps, UF feed pumps, etc., will have 100% stand-by units, so that in case of mechanical failure of one equipment, the stand by unit will take over and operate.

6. MHRIL has own dedicated experienced engineering & maintenance team backed up by local suppliers who will attend in case of mechanical failures on priority.
7. MHRIL will maintain spares of all critical equipment in house with identified local suppliers for such spares for fast recovery of the plant
8. An additional storage tank of 1 day holding capacity is proposed, which will store raw sewage till the mechanical equipment are repaired and put back into operation.
9. This storage tank will have diffused aeration so as to ensure that septic conditions do not develop in it.
10. Arrangements will be made so that overflow into the additional tank is only by gravity
11. MHRIL will also have tie up with local approved Sewage collection agencies/ tankers which will transport the sewage to the nearest Government Sewage Treatment Plant. A mobile pump will be provided to suck the sewage and transfer to the tankers.
12. An additional tank for storage of per day capacity of sewage to be constructed.
13. At present, two natural nallahs pass through the central portion of the site in the West to East direction, flowing towards the river. The original natural drainage pattern is kept undisturbed and both the nallah widths will be retained during the development. Pitching is in progress to ensure obstruction free water flow.
14. Storm water drains are provided in consideration with natural/formed contours & drains along with filter system, silt traps etc
15. The PP will install online water quality monitoring system in consultation with GSPCB. For treated water from STP one at upstream and other one at downstream of water treatment plant. The online water monitoring system should be connected to GSPCB server.
16. **Contour binding** along the project site, to reduce the rain run-off velocity, the idea is to break the slope of the land into smaller, more level compartments by constructing structures of suitable size along contours. Each bund, thus, holds the rainwater within each compartment & diverts to Rain Water Harvesting Tanks (RWHT).
17. **Storm water drain** along compound wall leading to a pit at lowest point having float switch, to pump off the excess rain water collected in Pit which is filtered through an eco-filtration system and then it is let out into Nalla.
18. **Management of silt** through surface run-off, Silt trap pits on covered drain surface, intermittently fitted Silt Arresters within drains from reaching the Nalla, Road side drains etc& other catchment areas.
19. Site will have large number of trees with shrubs, bushes and herbs, lawns which will serve as a bio barrier and ensure that there is no soil erosion from within the site

20. Indigenous plant species will be planted along the site periphery which have better soil holding.

21. No Chemical based Pesticide / Insecticide/Fertilizer will be used at site.

**2. To discuss on application filed by M/s Umia Developers Pvt. Ltd./(Umiya Holdings Pvt. Ltd.), - for the proposed developmental activity in Sancoale area.**

**Background:** This office is in receipt of a proposal for Environmental Clearance (EC) for proposed developmental activity in Sancoale dated 02 / 08 /2016 and later, SEAC inspected the site on 16<sup>th</sup> August 2016. Subsequently, project-specific presentation was held during 75<sup>th</sup> SEAC meeting held on 22<sup>nd</sup> September 2016 during which compliance to following project/site-specific observations were sought prior to further appraise the proposal.

- 1) Provide NOC for water supply from Public Works Department (PWD).
- 2) Provide a copy of NOC for bore-well from competent authorities with details of depth proposed for bore well based on hydro geological studies.
- 3) Note on efficiency of sanitation systems with reference to technology proposed with overall saving expected vis-a vis occupancy load scenarios.
- 4) Detailed calculation on energy conservation measures.
- 5) Furnish details on ephemeral flush vegetation once ready.
- 6) Considering the scale of the project, the PP may consider an appropriate budgetary allocation benefiting the local communities. The details of the same may be submitted to the Authority.
- 7) Labour population and camps during the construction of the project.
- 8) A detail water balance calculation for different scenarios.

- 9) Provide sectional drawings for cutting and filling operation for construction with all existing and proposed levels along with quantity of soil to be excavated and filled.
- 10) Provide Smoke exhaust details in the building (positive pressure ventilation).
- 11) Provide Disaster Management plan for evacuation of occupants.
- 12) Obtain D.G.C.A letter of consent/information about the high rise structure.
- 13) Provide details on Compartmentations in building by way of smoke stop doors.
- 14) Provide detailed traffic management plan including peak hour movements.

The PP has submitted the compliance to above-referred observations vide letter no. Nil dated 9<sup>th</sup> November 2016 (*received on 14<sup>th</sup> November 2016*). SEAC has perused / discussed the same during its 81<sup>st</sup> meeting held on 29<sup>th</sup> November 2016 and accordingly 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 said matter was discussed and deliberated during 37<sup>th</sup> Goa-SEIAA meeting held on 6/09/2017 wherein Authority after detailed discussion and deliberation 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.

Goa- SEIAA during its 42<sup>nd</sup> meeting held on 16<sup>th</sup> March 2018 decided to carry out site inspection of the proposed site. Accordingly Authority visited the site on 16<sup>th</sup> April 2018. During inspection the authority members noted that the project proponent has already started the construction activity for which Environment Clearance (EC) is not granted. Further said proposal was again discussed and deliberated during its 43<sup>rd</sup> meeting held on 20<sup>th</sup> April 2018 after detailed discussion and deliberation authority decided to issue

**Show Cause Notice (SCN)** to the Project Proponent as per provision of section (5) of Environment (*Protection*) Act 1986. Accordingly Show Cause Notice was issued to the **M/s Umia Developers Pvt. Ltd.**, on 10/05/2018. The PP submitted its reply on 21/05/2018.

The Authority perused the reply to the Show Cause Notice from **M/s Umia Developers Pvt. Ltd.**, - for the proposed developmental activity in Sancoale area. The authority noted that in its 43<sup>rd</sup> Goa-SEIAA meeting held on 20/04/2018 the PP was asked to submit NOC from the D.G.C.A. and PWD. Accordingly, PP is directed to submit documents as sought in Show Cause Notice within 2 weeks. Further the submission of PP that construction has been carried out is as per the recommendation of Goa-SEAC was taken into consideration. However, in order to ascertain whether the construction is as per the recommendation of Goa-SEAC, the authority had sought a report and confirmation from Goa-SEAC within 10 days.

Later, Goa-SEAC during its 97<sup>th</sup> meeting held on 27/09/2018 decided to conduct site inspection of the proposed site. Accordingly, the committee inspected the site on 29/09/2018 and sought compliances with regards to STP. Further Goa-SEAC visited the proposed site on 10/11/2018 to verify the compliances submitted by PP based on during previous inspection. The committee during 101<sup>th</sup> Goa-SEAC meeting held on 19/02/2019 after perusing the compliances and after detailed discussion and deliberation decided to recommend the said proposal to Goa-SEIAA for grant of EC.

**Decision:** The Authority took note of the recommendation made by the committee and the documents submitted by the project proponent in reply to the show cause. Authority 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 conditions:

- i. Considering the scale of the project, the PP may consider an appropriate budgetary allocation benefiting the local communities. The details of the same may be submitted to the Authority.
- ii. 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.
- iii. PP needs to ensure that no treated water or any waste sewage shall be discharged into any water body. 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.

**3. To decide on proposed construction of building and construction project at chalta No. 98 & 93 Panaji City Goa by **Green land co-operative Society Ltd.****

**Background:** During 94<sup>th</sup> Goa-SEAC meeting held on 14/06/2018 M/s Excel Envirotech consultancy, Goa made the project-specific presentation on behalf of PP w.r.t. project proposal seeking environmental clearance (EC) for above project. During said meeting the committee sought various compliances which were submitted by the project proponent on 17/10/2018. The Committee perused the said compliances and after detailed discussion and deliberation decided to recommend the said proposal to Goa-SEIAA for grant of EC.

**Decision:** The Authority took note of the recommendation from the Goa-SEAC and all the compliances submitted by the project proponent. Accordingly, the authority decided to recommend the said proposal for grant of Environmental clearance EC under the provision of EIA Notification 2006 (as amended) with the condition that Project proponent must submit a proof of CSR proposal to DMA of municipal solid waste management facility with budgetary allocation of 2% from its project cost.

- i. Considering the scale of the project, the PP may consider an appropriate budgetary allocation benefiting the local communities. The details of the same may be submitted to the Authority.

- ii. 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.
  - iii. PP needs to ensure that no treated water or any waste sewage shall be discharged into any water body. 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 utilize 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.
4. With regards to application received from **M/s Ganesh Benzoplast Limited** regarding renewal of EC issued by Goa-SEIAA on 9<sup>th</sup> may 2014 vide letter no. 3/181-2010/STE-DIR/10.



**Decision:** The Authority after perusal of application and taking into consideration the Notification No. S.O.1141 (E) para (ii) (a) dated 29/04/2015 of Ministry of Environment & Forests and Climate Change (MOEF & CC) decided to extend the validity of the Environmental Clearance (EC) bearing No. 3-181-2010/STE-DIR/10 dated 09/05/2014 for another 2 years i.e. till 08<sup>th</sup> May 2021).

**5. PIL W.P 17 of 2018 filed by Dhatwada Usgao citizen Forum v/s village Panchayat of Usgaon-Ganjem,** through Secretary & ors. With respect to EC for extraction of Minor mineral for permit granted under rule 53 of the Goa Minor mineral concession rule, 1985 and iron ore encountered at the said by MRF ltd. At survey no. 258/0, 259/2 and 259/1 of Usgao ,Ponda, Goa.

**Background:** Vide Honøble High Court order dated 4/03/2019, the SEIAA has been made a party in W.P. No.17 of 2018 i.e. Dhatwada Usgao Citizen Forum, Rep. by its Secretary, Vasudev Gaude and Anr (Thr. Adv. Norma Alvares) v/s Village Panchayat of Usgao-Ganjem, thr its Secretary and 8 ors. The authority is in receipt of letter from Directorate of Mines & Geology for seeking clarification regarding applicability of Environment Clearance for the Ore & Minor Mineral encountered during the construction activity by M/s MRF Ltd at Survey No.258/0, 259/2-A, and 259/1 of Ponda Taluka. In the said letter it has been clarified that the department had granted permission to M/s MRF Ltd after inspecting site for extraction and transportation of minor mineral from the said survey No. 258/0, 259/2-A, and 259/1 of Ponda Taluka after the payment of advance royalty under Rule 53 of Goa Minor Mineral Concession Rule 1985. It was explained to the members that under rule 53 of Minor & Mineral concession rule there is exemption for obtaining any permission under the rule for extraction of minor and mineral or mineral which may be found in the course of building of any structure or road or opening wells by any person provided however that the royalty @ specified in Schedule-I shall be payable on minor mineral so extracted by them. Thereafter members examined the provision of Environment Impact Assessment Notification 2006 at schedule 6I which is as follows:

It is clearly seen that from the provision in the schedule that the Environment Clearance is required for a mining lease as provided in the EIA Notification 2006 for extraction of minor and major mineral. In this particulars case it is noticed that the ore has been encountered in area of 12586 m2 out of 1, 00,000 m2 during the leveling work under taken for construction of industrial shed for their tire manufacturing facility.

The said matter was deliberated during 105<sup>th</sup> Goa-SEAC meeting held on 25<sup>th</sup> April 2019. Committee is of the opinion that since the minor and major mineral has been encountered during leveling for construction of shed and it is not a part of any mining lease, therefore, Environment Clearance is not required under the EIA Notification 2006 as amended till date.

**Decision:** The Authority perused definition of “Mining Lease” in the Mines and Minerals Development & Regulations Act, 1957 (MMDR) which defines mining lease as a “lease granted for the purpose of undertaking mining operations and includes a sub -lease granted for such purpose”. The authority also perused the definition of mines in the said regulations which is as follows: “**Mine**” means any excavation where any operation for the purpose of searching for or obtaining minerals has been or is being carried on and includes:

- i.) All borings bore holes, oils wells and accessory crude conditioning plants including the pipe conveying mineral oil within the oil fields.
- ii.) All shafts in or adjacent to and belonging to a mine whether in the course of being sunk or not.
- iii.) All levels and inclined planes in the course of being driven
- iv.) All open cast workings
- v.) All conveyors or aerial rope ways provided for the bringing driven into or removal from a mine of minerals or the articles or for the removal of refuse there from.
- vi.) All adits, levels planes machinery works railways tramways and sidings in or adjacent to and belonging to mine.

Thereafter, Authority took note of provision of EIA Notification 2006 in respect of mining activity which is as follows:

Srl.No.	Project	Category		Condition
		A	B	
1	2	3	4	5
1(a)	(i) Mining of Minerals	<p>≥50 ha of mining lease area in respect of non coal mine lease.</p> <p>≥150 ha of mining lease area in respect of coal mine lease.</p> <p>Abestos mining</p>	<p>≤50 ha of mining lease area in respect of non coal mine lease.</p> <p>≤150 ha of mining lease area in respect of coal mine lease.</p>	<p>General condition shall apply except:</p> <p>(i) for project or activity of mining of minor minerals of Category -B2 (up to 25 ha of mining lease area);</p> <p>(ii) River bed mining projects on account of inter-State boundary.</p>

In the present case, the area is not under any mining lease, and the activity during which the mineral was encountered was not done in search of the minerals. The ore has been found during excavation undertaken to do construction activity for an industrial facility, and thus it may not be called as a mining activity as per MMDR. Accordingly, the Authority considered the

recommendation of the Goa-SEAC and was of the opinion that since the minor and major mineral has been encountered during leveling for construction of shed, and it is not a part of any mining lease, Environment Clearance is not required under the EIA Notification 2006.

Meeting concluded with a vote of thanks to the chair.

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

*Sd/-*  
**Ravi Jha, IAS**  
**Member Secretary, Goa-SEIAA**

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

Place: DPSE, Porvorim.

Date: June 2019