

Agenda Items for the 46th Goa-State Environment Impact Assessment Authority (Goa-SEIAA) meeting held on 12th June 2019 (Wednesday) at 3.30 pm.

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, Moitemvillage, Bardez, North Goa. Following the project-specific presentation by Aditya Environmental Services Pvt. Ltd. Mumbai. The 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 and accordingly the proposed site was inspected by Goa-SEAC on 19th May 2018 and revisited on 25/09/2018. Subsequently, the Committee had called Project Proponent two times for project specific presentation. However the Project Proponent intimated their unavailability on said dates. Further committee appraised the said proposal as **‘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 Committee 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 (hereinafter referred as ‘Authority’) 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. **16Contour bunding** 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.
 22. To freeze the number of apartments to the number approved by 2013 EC and monitor the efficacy of the precautionary mechanisms claimed by the PP. If there is no impact on the water quality and movement of vehicles, further enhancement in number of apartments may be considered for recommendation by the Authority in due course, subsequently.
2. To discuss and decide on a reply to the Show Cause Notice filed by M/s **Umia Developers 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 16th August 2016. Subsequently, project-specific presentation was held during 75th SEAC meeting held on 22nd 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 9th November 2016 (*received on 14th November 2016*). SEAC has perused / discussed the same during its 81st meeting held on 29th November 2016 and accordingly was recommended to Authority for grant of EC. The Authority during its 36th meeting scheduled on 6th December 2016 deferred the decision for want of time to peruse relevant project details in light of its validity expiring by 8th December 2016.

The said matter was discussed and deliberated during 37th 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 42nd meeting held on 16th March 2018 decided to carry out site inspection of the proposed site. Accordingly Authority visited the site on 16th 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 43rd meeting held on 20th 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 43rd 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 97th 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 101th 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.

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**". During 94th 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 with following specific 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.

4. To decide on application received from **Ganesh Benzoplast Limited** regarding renewal of EC issued by Goa-SEIAA on 9th may 2014 vide letter no. 3/181-2010/STE-DIR/10.
5. To discuss on **PIL W.P 17 of 2018 filed by DhatwadaUsgaoCitizen Forum v/s village Panchayat of Usgao-Ganjam**, 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 order dated 4/03/2019, the SEAC has been made a party in W.P. No.17 of 2018 i.e. DhatwadaUsgao Citizen Forum, Rep. by its Secretary, VasudevGaude and Anr (Thr. Adv. Norma Alvares) v/s Village Panchayat of Usgao-Ganjam, thr its Secretary and 8 ors. The authority also 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 its 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:

Srl.No.	Project	Category		Condition
		A	B	
1	2	3	4	5
31(a)	(i)Mining of Minerals	>50 ha of mining lease area in respect of non coal mine lease.	<50 ha of mining lease area in respect of non coal mine lease.	General condition shall apply except: (i)for project or activity of mining of minor minerals of Category -B2ø (up to 25 ha of mining lease

		>150 ha of mining lease area in respect of coal mine lease. Abestos mining	<150 ha of mining lease area in respect of coal mine lease.	area); (ii) River bed mining projects on account of inter-State boundary.
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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 particular 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. Hence members were 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.

6. *Any other matter with a permission of the chair.*
