

LIST OF CONDITIONS FOR PROPOSED COASTAL PROTECTION WORKS AND BEACH RE-PROFILING AT RAVENALA RESORT, TURTLE BAY, BALACLAVA BY ATTITUDE PROPERTY LTD [ENV/DOE/EIA/1842]

1. All other permits and clearances from the relevant authorities shall be obtained. A copy of all the clearances and permits obtained shall be submitted to the Director of Environment. All conditions attached therewith shall be scrupulously observed.
2. The development shall be undertaken as per the mitigating measures stated in the EIA report and the additional information submitted, unless as otherwise advised herein.
3. The Department of Environment shall be informed in writing of the date of commencement of works on site for monitoring purposes. A programme of works shall be submitted to the Department of Environment, the Ministry of Blue Economy, Marine Resources, Fisheries and Shipping and the Beach Authority prior to the start of works.
4. In accordance with section 18(2)(l) of the Environment Protection Act 2002 (as amended), the proponent shall submit to the Director of Environment, an Environmental Monitoring Plan (EMP) for approval prior to start of works on site. No coastal works shall start prior to the approval of the EMP. The proponent shall thereafter submit monitoring reports as per the EMP approval.
5. The Department of Environment shall be informed in writing of the date of completion of all works on site, with copy of the as-built layout plan, prior to the start of operation for monitoring purposes.
6. Necessary measures shall be taken to notify the public of all coastal works to be undertaken in accordance with the scheduled programme of works by way of noticeboard(s) /signboard(s) at the project site, prior to and during the implementation of the project.
7. The proponent shall submit a site plan showing the alignment of High Water Mark as per the lease agreement and the proposed new alignment showing the extent of land that will be reclaimed from the sea after the beach re-profiling works are completed to the Ministry of Housing and Land Use Planning after completion of works on site.
8. Beach profile surveys shall be carried out prior to and after the works at the established permanent control points with GPS coordinates. The surveys shall be carried out every three months for the first year, and thereafter, every six months. The reports of beach profile surveys shall be submitted to the Department of Environment.
9. The site of work shall be properly protected by double-layered geo-textile screens to prevent sediment entrainment in the lagoon and the river. The geotextile screens shall be regularly maintained during works. After implementation of the project, all geotextile screens shall be removed and disposed of at an approved disposal site.

10. The rocks for the revetment shall be properly washed and cleaned offsite prior to be used.
11. The proponent shall hold consultative meeting with the registered fishermen operating in the Balaclava Marine Park prior to the start of the project. The proponent shall resolve any conflict that may arise with coastal users, including fishermen of the region prior to, during and after the implementation of the project to the satisfaction of the Ministry of Blue Economy, Marine Resources, Fisheries and Shipping.
12. Any benthic organisms present within the site of works shall be re-located to other areas not affected by the construction works under the supervision of a Fisheries Officer of Ministry of Blue Economy, Marine Resources, Fisheries and Shipping.
13. During the construction phase, as well as for 12 months after the completion of the construction phase of the project, the proponent shall carry out monitoring of the marine ecosystem and seawater quality of the lagoon on a monthly basis and submit reports of same to the Ministry of Blue Economy, Marine Resources, Fisheries and Shipping and the Department of Environment. Sampling points along with GPS coordinates shall be included in the Environmental Monitoring Plan.
14. The proponent shall apply for an Interference Permit to the Ministry of Blue Economy, Marine Resources, Fisheries and Shipping and pay Rs75,000 thereto for each structure (two rock revetment walls and beach nourishment), as per the Fisheries and Marine Resources (Marine Protected Area) Regulations 2001 and amended Regulations 2007 given that the beach reprofiling and coastal protection works fall within the Balaclava Marine Park.
15. No heavy machinery shall be used in the lagoon. Works at sea shall be carried out at low tide and between sunrise and sunset. No work shall be carried out in case of bad weather conditions.
16. Necessary measures shall be taken to prevent any hydrocarbon spills from vehicles and diesel storage tanks to infiltrate through the soil and sand so as to avoid the contamination of the underground and eventually the lagoon.
17. No dredging of the sea bed shall be carried out.
18. No construction of swimming pool along the hotel's beach frontage shall be undertaken.
19. No other hard structures shall be erected within the 30m High Water Mark setback.
20. After completion of works, public shall have free, unrestricted and unimpeded access to the beach path and sea.
21. All measures and precautions shall be taken to the satisfaction of the Beach Authority to ensure safety and security of the beach users at all times during the execution of the works.

22. All measures shall be taken to the satisfaction of the Beach Authority to protect beach and lagoon during site preparation, construction and operation phase shall be taken.
23. The proponent shall ensure that clear and safe access is available from and to the beach at all times and to facilitate emergency evacuation in the event of a disaster, such as cyclone, tsunami, storm surge and high waves.
24. Any impact caused due to implementation of the coastal works on the adjacent beaches shall be remedied by the proponent to the satisfaction of the Beach Authority.
25. The project shall comply fully with all the provisions as stipulated in Section 25(Part I) and Section 26(Part I) of the Rivers and Canal Act given that River Citron borders the project site on the south eastern boundary.
26. No waste of any type, solid or liquid shall be disposed of or have access into the sea, River Citron and the river reserve.
27. All necessary precautions shall be taken to the satisfaction of the Water Resources Unit so that the proposed development does not impact negatively on the ground water and surface water quality.
28. Any felling of trees along the coastline shall require prior approval from the Conservator of Forests. No development shall be allowed within the 16m reserves of the River Citron and any proposed works including landscaping shall require prior approval from the Conservator of Forest.
29. The proponent shall designate a haulage route to be used by heavy vehicles accessing the site during construction and submit details thereof for necessary approval to the Road Development Authority. Any part of the existing main roads leading to the project site which may be damaged during the works shall be reinstated by the applicant, at its own costs, to the satisfaction of the Road Development Authority.
30. Solid wastes generated by workers on site shall be collected and disposed at Roche Bois Transfer Station. Recyclable wastes generated during the project shall be sorted out and sent to recyclers.
31. All domestic wastewater during construction phase shall be collected and carted away to Wastewater Management Authority approved site in case the workers would not use the existing toilet of the hotel. No on-site wastewater disposal system shall be carried out.
32. All electric motors such as pumps, compressors, generators, transformers and other noise generating equipment shall be housed in noise attenuating structures so that noise generated therefrom shall be within permissible limits as per Environment Protection (Environmental Standards for Noise) Regulations 1997. Machines and plants during construction period shall be maintained in good working condition so as to avoid excessive noise emanation.

33. Necessary measures shall be taken during all the phases of the project, including site preparation and construction so as not to cause any nuisance by way of dust, noise, vibration and odour to the public and surrounding environment. The site of works shall be properly protected by fencing/hoardings to attenuate dust and noise nuisances during the construction phase.
34. In case of any negative impact to the marine environment, the proponent shall, at his own cost, redress the harm caused to the complete satisfaction of the Ministry of Environment, Solid Waste Management and Climate Change and the Ministry of Blue Economy, Marine Resources, Fisheries and Shipping.
35. The responsibility to maintain the approved coastal protection works rest on the proponent.
36. In case of any environmental pollution or nuisances arising from this development, this Ministry in consultation with other authorities concerned may impose additional conditions and will take necessary actions in accordance with the provisions of the Environment Protection Act 2002 (as amended). The additional conditions shall be strictly observed and implemented by the proponent.
37. Any proposed deviation shall be subject to an application to the Director of Environment. No deviation or part thereof shall be executed prior to the determination of the application by the Director.