

**LIST OF CONDITIONS - PROPOSED SETTING UP OF A 2 X  
55MW COAL FIRED POWER PLANT AT POINTE AUX CAVES,  
ALBION BY THE (MAURITIUS) CT POWER LTD  
[ENV/DOE/EIA/1338]**

**A. Conditions as imposed by the Environment Appeal Tribunal**

1. For the control of mercury, acid gases, soot and particulates such as PM<sub>10</sub> and PM<sub>2.5</sub>, the installation of a combination of SO<sub>2</sub> emissions controls, NO<sub>x</sub> emissions controls and fabric filters as well as measures that would ensure that stack emissions should comply with the most stringent standards of the WHO, the US EPA or the EEA and the EPA 2002 (Standards for Air).
2. Transportation of coal should be done strictly off peak hours as from 9:30 hrs up to 14:30 hrs. and after 18:00 hrs. up to 21:00 hrs. at latest.
3. Coal to be stocked in such a way so as to avoid dispersion through wind.
4. Effluents resulting from the washing of lorries to be treated so as to avoid any risk of contamination of ground water by heavy metals such as lead and mercury.
5. The stack to be located in the buffer area of the Montagne Jacquot Sewerage treatment plant with offices closer the residential and commercial zones.
6. The provision of landscaping for green areas at the boundary between the site and residential/business/commercial areas.
7. In addition to the provision of street lighting as proposed by the RDA, the proponent to provide for handrails for the security of the inhabitants of Camp Benoit.
8. Ashes to be disposed of in appropriate mono landfill.
9. Compliance with the conditions and requirements set down by all the agencies and authorities forming part of the EIA Committee.
10. Implementation of all measures proposed in the SEIA.

11. Unrestricted access to enforcement agencies of the State to carry out surprise checks and for the collection of stack emissions for analysis.

## **B. Other Conditions**

12. The Environment Appeal Tribunal in its judgment of 16 July 2012 held the following: "We therefore amend the decision of the Minister rejecting the EIA licence to grant the appellant an EIA licence to proceed with the setting up of a 2 x 55 MW coal-fired power plant at Pointe aux Caves, Montagne Jacquot including, but not limited to the following conditions together with other conditions to be determined by the Department of Environment" amongst which the condition of transportation of coal to be done strictly off peak hours as from 9:30 hrs up to 14:30 hrs and after 18:00 hrs up to 21:00 hrs at latest"

However, by virtue of a letter dated 7<sup>th</sup> December 2012, addressed to the Deputy Prime Minister and Minister of Renewable Energy and Public Utilities under the signature of the President of The (Mauritius) CT Power Ltd, the proponent agrees that the transportation of coal which will be supplied by the CEB to the project site shall be by sea-route instead of by road as from the first date of the operation of the power plant.

13. Necessary permits/clearances from all relevant authorities shall be obtained and all the conditions attached therewith shall be scrupulously observed. A copy of all the permits and clearances obtained shall be submitted to the Ministry of Environment & SD.
14. The Department of Environment shall be informed in writing of the date of commencement and progress of works as well as the date of completion of works on site for monitoring purposes. A detailed programme of work shall be submitted to the Ministry of Environment & SD prior to the start of works. A copy of the as-built layout plan shall also be submitted prior to the start of operation.
15. The proponent shall undertake to provide proof of its financial capabilities for the duration of the project to the satisfaction of the Ministry of Finance and Economic Development.

16. The coal power plant shall use the latest technology and be of EU Standard. The design of the coal power plant shall be certified by a registered/ competent firm and approved by the Central Electricity Board. The plant shall be designed, constructed, equipped and operated in accordance with high international standards and in such a manner so as to meet all the conditions of the EIA Licence.
17. Prior to operation, the proponent shall submit a compliance certificate duly signed by a registered/competent firm certifying that the design of the plant is in strict compliance with the conditions of this EIA licence as well as the proposal in the EIA Report, Additional Information and the Supplemental EIA (SEIA) submitted by The (Mauritius) CT Power Ltd.
18. The proponent shall construct the base of the coal storage area to achieve a percolation rate of not greater than  $1 \times 10^{-9}$  m/s to minimise the percolation of rainwater through the coal storage pile and into the groundwater. A bunded wall shall also be provided around the storage platform of coal.
19. The site of works shall be properly fenced and maintained to ensure that no waste of any type has access directly or indirectly to the sea.
20. All noise generating equipment shall be of such specifications and shall be housed in sound proof enclosures so that noise level emanating therefrom shall be within permissible limits of the standards for Noise as per the Environment Protection (Environment Standards for Noise) Regulations promulgated under the Environment Protection Act.
21. With respect to the traffic associated with the transportation of materials during the construction phase and the eventual transportation of other materials and bricks during the operational phase, any engineering and upgrading works with respect to junctions, visibility splay and turning radii for the safety of the inhabitants and school children, shall be carried out by the proponent in accordance with the requirements of the Traffic Management & Road Safety Unit, the Road Development Authority and the Traffic Branch of the Police Department. All costs shall be borne by the proponent.

22. The proponent shall submit to the Ministry of Local Government & OI detailed engineering plans including details of the geo-membrane liner for the ash disposal area prior to construction. The plans shall be certified by an independent landfill engineer to confirm that the design will be adequate to avoid the loss of leachate into the groundwater. The independent landfill engineer shall submit a compliance certificate after implementation.
23. The "smooth layer of ash" shall not be used as capping layer. All ash shall be stored properly and capped. The flow of leachate in the "weeper drain" shall be closely monitored and maintained to the satisfaction of the Water Resources Unit and no leachate shall be allowed to be discharged either into the ground, in a watercourse or any waterbody.
24. All wastewater generated shall be pretreated on-site to the required standards prior to discharge into the sewer. Detailed design report of the proposed wastewater treatment plant and sewer profile as well as layout plan shall be submitted to the Wastewater Management Authority for approval prior to construction.
25. The proponent shall establish a Community Fund to fund community enhancement once the plant is operational. A Corporate Social Responsibility programme shall be developed by the proponent to cover areas such as community enhancements (provision of community facilities, education etc) and community liaison arrangements.
26. A Community Liaison Committee shall be set up with representatives of local community to facilitate community communications and for agreement of community enhancement measures. Consultative meetings with the fishers and other coastal users of the region shall also be held to resolve any conflict that may arise, at their own cost, prior to, during and after the implementation. The outcome of the consultations and any agreement reached with the fishers of the region shall be submitted to the Ministry of Fisheries.

27. In accordance with section 18(2)(f) of the Environment Protection Act 2002, the proponent shall submit to the Ministry of Environment & SD, an Environmental Monitoring Plan (EMP) for approval prior to start of works.

The EMP shall take on board amongst others:

- a) Control of dust emissions, air emissions, construction waste, noise emissions, including the noise levels at the site boundary and nearby sensitive receptors as well as residential properties.
- b) Installation of a Continuous Environmental Monitoring System (CEMS) in the stack to monitor emission levels. An annual report on the average and maximum daily emissions from the exhaust stack for NO<sub>x</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, shall be submitted to the Ministry of Environment & SD. The monitoring of dioxins and furans shall also be carried out.
- c) The percentage of Sulphur in coal shall not exceed 1 % as agreed with the CEB.
- d) All benthic organisms in the near-shore hydrodynamic zone are carefully displaced to safer areas in the neighborhood of the site, prior to start of works.
- e) Regarding the alignment of the pipes in the sea, ecologically sensitive areas shall be avoided and approval obtained from the Ministry of Fisheries
- f) The maximum intake velocity at the intake screen be no more than 15 cm/s; the outfall location complies with Standards for Effluent Discharge into the Ocean Regulations at least 500 m from the high water mark and at least 25 m depth; a temperature increase of no more than 2 °C above the intake temperature is achieved by the outfall, for at least 95% of the time, within 100 m of the outfall or at the edge of the defined mixing zone.
- g) All possible measures and maximum precautions are taken, including a double layer of geo-textile screens of appropriate mesh size in order to protect the adjoining lagoon areas from any entrainment of sediment plumes and cause minimum disturbance or adverse impact to the coastal/marine environment/ecosystem. The geotextile screens shall be regularly maintained.

- h) Monitoring of the marine environment, ecological monitoring of coral communities, the associated ecosystem including the water quality at the site of the cooling water outfall and its vicinity.

The frequency for the submission of the above results shall be in accordance with the approved EMP.

- 28. The proponent shall bear all costs associated with monitoring and supervision of plant to be carried out by Government, which may entail sending samples abroad for analysis.
- 29. A proper drainage network shall be provided for storm water run-off and shall be separate from any oil contaminated drainage system to the satisfaction of the Local Authority.
- 30. The drainage infrastructure for leachate shall be separate from storm water drainage systems and shall be to the satisfaction of the Water Resources Unit. Necessary precautions shall be taken so as not to adversely impact on the groundwater and surface water quality.
- 31. In the event that any negative impact on the marine environment and the associated ecosystem is detected at and in the vicinity of the Cooling Water Outfall, the project shall be halted or stopped altogether and necessary corrective measures shall be taken by the proponent.