

## Group 02

### **Air Emission and Impact on ambient air quality**

1. Yes
2. NOX, SOX, PM, (other Pollutants depends on quality of Coal)
3. Yes (as per the report). But during modelling the air quality, the PP has not considered the future development especially related to power sector development in the said area, this project has nearly reached the maximum allowable limits of the ambient air quality. So we believe no other room for any expansion or any new industry can come up in the future.
4. Not at present. But the above 3 should be taken in to consideration.

### **Water**

1. No (water quality standards depend on the receiving water body). For this project Discharge standards to Marine coastal areas is applicable.
2. Hot water generated from cooling activities (thermal discharge), waste water from desulphurization process, Domestic waste water, oil, coal contaminated surface runoff water.
3. Cannot comment. The report has not included the ambient temperature of the thermal water discharge point. This information should be provided in the EIA report for the evaluators to evaluate the EIA report on impacts on the water quality due to discharge of thermal water.
4. Cannot comment due to lack of information given in EIA report.

### **Comments:**

Due to discharge of thermal waste water into bay, an increase of the ambient temperature due to less mixing in the bay may be expected. That is a huge impact to the natural environment in the bay. Hence alternative thermal water discharge point / heat recovery system should be identified.

### **Waste**

1. Fly ash, bottom ash, domestic solid wastes, sludge from waste water treatment, waste coal (during handling)

2. Fly ash - Cement Industry

Bottom ash - seek the demand for downstream industries, if not converted into slurry form and stored in the project site.

3. The sustainability of long term dispose of bottom ash at the site should be investigated.

Environmental impacts due to storm water/surface runoff of such slurry should be investigated and explained in the report.

#### 4. Best Practice

1. use in downstream industries. A comprehensive study on this regard should be done together with economic feasibility of the same.

#### **Natural Environment**

1. Yes (Koddiar and Shell bay) due to existing of Coral reef, blue whales and other micro and macro organisms.

2. Impacts on marine and coastal bio diversity due to both extraction and discharge of high volumes of water.

3. yes

4. Yes. But not adequate. The baseline information provided with respect to environment sensitivities of the area especially where thermal water discharges is not adequate. Therefore a comprehensive study in this regard should be carried out.

5. No. Since the study is not adequate enough, mitigations have not been described.

#### **Social**

1. Impacts on fishing activities, tourism, good opportunity for jobs

2.

3.