IMPACT ASSESSMENT
OF THE PROPOSED INTEGRATED STEEL PLANT
(SOUTHERN IRON AND STEEL COMPANY LTD., SALEM)
ON
THE BIOLOGICAL ENVIRONMENT

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SALIM ALI CENTRE FOR ORNITHOLOGY & NATURAL HISTORY
COIMBATORE, TAMIL NADU

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Project team
P A Azeez, S Bhupathy, D Stephen and P Kannan

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7.0 SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

1. The SISCOL proposes construction of a steel plant adjacent to the existing ones at Potteneri, near Salem as a forward integration to their existing pig iron plant. The project is proposed in an area extending about 208 ha.

2. The impact zone of this project is mostly built-up area, agricultural land, rocky outcroppings and waste land. No places with thick natural vegetation fall under the impact zone.

3. Nine species of amphibians, 31 of reptiles, 57 of birds and 9 of mammals were recorded in the impact zone of the proposed project during the present survey. The low number of mammal species is due to the lack of forest cover and the rapidly increasing built-up area. Most of the faunal species found in the project area and impact zone are highly adaptable and have wider distribution elsewhere in India.

4. No wildlife sanctuary is present in the impact zone. No reserve forest is also found close to the project site.

5. No notable distinction could be found among the distance from the project site and floral species diversity or evenness. Since the predicted values of air pollutants are comparatively low, no alteration in floral and faunal species composition is expected in the windward side of SISCOL.

6. In the long-term perspective, the project does not pose any serious environmental problem. The proposed project envisages control facilities to contain gaseous emissions, treatment of the liquid discharges and disposal of the solid wastes. It needs to be ensured that the air pollution control measures and the treatment plants for the liquid effluents are adequately maintained to ensure that no contamination of environment occurs during the operation of the plant. A green belt of pollution tolerant species should be established in the campus to make the operation of the project more environment friendly.