

IMPACT ON BIODIVERSITY

Not Applicable, since no any area from NP/WLS would be utilized for proposed project activities.

Any unfavorable alteration in the quality of soil, water or air will lead the change in quality of habitat for plants and animals. This alteration may favor growth of some species and may reduce/eliminate others. The resilience to this change will depend on the extent of unfavorable change.

> **Habitat Removal**

The land acquired by Sree Kartikeya Kameshwari Industries (SKKI) for implementing the proposed project is located in notified industrial area (Chincholi MIDC) at plot no. E-12 (Gat No. 1,4,57 & 58 of Village Chincholikati), which is designated for industrial purpose only. No any land from GIB Sanctuary is being compromised/ utilized for proposed project activities. Hence, there would be no any loss/reduction in GIB habitat. The study area represents ecosystem with habitat types of grassland, agriculture land, scrubs, scattered trees, and human habitations. This region is diverse in terms of species or habitat richness, this ecosystem has its own importance.

> **Contamination of Habitats**

A full-fledged ETP would be provided on site for treatment of industrial effluent whereas the domestic effluent would be treated in STP. The entire trade effluent Stream-I shall be treated in an ETP comprising of primary treatment followed by Multi Effect Evaporation (MEE) System. Condensate of Stream I & Stream II shall be treated in an ETP comprising of primary, secondary, tertiary units followed by R.O unit and the R.O. reject will be sent to the MEE in Stream I thereby achieving Zero Liquid Discharge (ZLD). The treated water from stream-II shall be recycled for boiler make-up, cooling make up.

Also, APC equipment in the form of Multi Cyclone Dust Collected followed by Bag Filter shall be provided to Boiler & Thermic Fluid Heater. Proper O & M of ETP and APC equipment would be done regularly. Hence, there shall not be contamination of terrestrial as well as aquatic habitats due to any release of pollutants.

> **Effect on Flowers, Grass, Trees and Scrubs**

In case of proposed activities, particulate emissions and process emissions would be of concern. However, the same would be well within the limits specified by concerned authority. No significant loss to the productivity of surrounding agricultural crops is envisaged. Moreover, undertaking and implementation of greenbelt development program will bring about beneficial impact of the project on surrounding area.

> **Mitigation Measures**

- Proper landscaping of the project premises
- Protection of GIB habitat i.e. Grassland habitat.

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- No any untreated effluent shall be let out into nearby water body or land
- The stack and production block shall be provided with APC equipment in form of Pulse Jet type bag filters and scrubbers.
- No ash shall be stored outside the industrial premises or disposed off in nearby grasslands
- All developmental activities in and around the industries shall be essentially eco-friendly and sustainable for long term mutual benefits of the local people and the industry.
- Nature conservation and environmental protection activities involving local youth and local schools shall be planned on priority under industry's CSR activity.
- Activities like slide shows or expert's lectures on GIB shall be arranged for the staff to make them aware about the plant and animal species found nearby; also it will reduce unnecessary human-wild conflict. This will eventually reduce the damage to biodiversity by the employees.
- Promoting measures of energy and water conservation, wherever possible, would be adopted.
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