

Activity 7(c) – INDUSTRIAL ESTATES/ PARKS/ COMPLEXES/ AREAS, EXPORT PROCESSING ZONES (EPZS), SPECIAL ECONOMIC ZONES (SEZS), BIOTECH PARKS, LEATHER COMPLEXES AND INFORMATION TO BE INCLUDED IN EIA/EMP REPORT

I. Project details

- i. Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental damage, resources sustainability associated with selected site as compared to rejected sites.
- ii. The analysis should include parameters considered along with weightage criteria for short-listing selected site.
- iii. Zoning of the area in terms of 'type of industries' coming-up in the industrial area based on the resource requirement along with likely pollutants with quantity from the various industries.
- iv. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
- v. Examine the details of National Highways/State Highways/ expressways falling along the corridor and the impact of the development on them.
- vi. Submit the details of the infrastructure to be developed.
- vii. Justification of the parameters, frequency and locations shall be discussed in the EIA.

II. Environment Status/Baseline Data Methodology

- viii. Examine baseline environmental quality along with projected incremental load due to the project taking into account of the existing developments nearby.
(ii) Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
- ix. Site justification of the identified industry sectors from environmental angle and the details of the studies conducted if any.
- x. Identify, predict and assess the environmental and sociological impacts on account of the project.

III. Remote Sensing/ GIS

- xi. Analysis should be made based on latest satellite imagery for land use with raw images.
- xii. Check on flood plain of any river.

IV. Land Use, Land Acquisition, R&R

- xiii. Submit the details of the land use break-up for the proposed project. Details of land use around 10 km radius of the project site.
- xiv. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/villages and present status of such activities.
- xv. Examine the impact of proposed project on the nearest settlements.
- xvi. Submit details regarding R&R involved in the project

- xvii. The project boundary area and study area for which the base line data is generated should be indicated through a suitable map.

V. ESZ, CRZ Details

- xviii. Details regarding project boundary passing through any eco- sensitive area and within 10 km from eco- sensitive area.

VI. Forest and Wildlife Related Details

- xix. An overall green area of at-least 33% of the Industrial Area should be developed with native species. The green area shall be 40% in case of critically polluted area. Green buffer in the form of green belt to a width of 15 meters should be provided all along the periphery of the industrial area.
- xx. Submit the details of the trees to be felled for the project.
- xxi. Submit the present land use and permission required for any conversion such as forest, agriculture etc.

VII. Court/ Litigation Related

- xxii. Submit Legal frame work for the implementation of Environmental Clearance conditions - to be clearly spelt out in the EIA report.
- xxiii. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.

VIII. Water Environment/Quality/Hydrology

- xxiv. Ground water classification as per the Central Ground Water Authority.
- xxv. Submit the source of water, requirement vis-à-vis waste water to be generated along with treatment facilities, use of treated waste water along with water balance chart taking into account all forms of water use and management.

IX. Rain Water Harvesting

- xxvi. Rain water harvesting proposals should be made with due safeguards for ground water quality
- xxvii. Maximize recycling of water and utilization of rain water. Examine details.
- xxviii. Examine soil characteristics and depth of ground water table for rainwater harvesting.

X. Waste Management, Drainage and STPs Details

- xxix. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area, and any obstruction of the same by the project.
- xxx. Examine details of solid waste generation treatment and its disposal.

XI. Soil Environment

- xxxi. Examine soil characteristics and depth of ground water table for rainwater harvesting.

XII. Energy and Resources

- xxxii. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption.

XIII. Air Environment

- xxxiii. In case DG sets are likely to be used during construction and operational phase of the project. emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.

XIV. Road/Transport Safety and Traffic Aspects

- xxxiv. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project.
- xxxv. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
- xxxvi. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
- xxxvii. Examine the details of transport of materials for construction which should include source and availability.

XV. Noise Environment

- xxxviii. Examine noise levels - present and future with noise abatement measures.

XVI. Environmental Management Plans and Mitigative Measures

- xxxix. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
- xl. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
- xli. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry.