

## **APPENDIX C**

### **LIST OF PRESCRIBED ACTIVITY**





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**APPENDIX C- PRESCRIBED ACTIVITY LIST AS PER EIA ORDER 2015****FIRST SCHEDULE  
[Subparagraph 3(1) and (4)]**

- 1) **AGRICULTURE:**
  - a) Land development schemes covering an area of 20 hectares or more but less than 500 hectares to bring forest into agricultural production.
  - b) Development of agricultural estates covering an area of 500 hectares or more involving changes in types of agricultural use.
- 2) **AERODROME:**

Expansion of an aerodrome involving a runway of 1,000 metres or longer.
- 3) **DRAINAGE AND IRRIGATION:**
  - a) Construction of man-made lakes and artificial enlargement of lakes with surface areas of 100 hectares or more.
  - b) Irrigation schemes covering an area of 500 hectares or more.
- 4) **FISHERIES:**

Land based aquaculture projects accompanied by clearing of mangrove forest or fresh water swamp forest covering an area of 20 hectares or more but less than 50 hectares.
- 5) **FORESTRY:**
  - a) Conversion of forest at 300 meters or more above mean sea level to other land use covering an area of 20 hectares or more but less than 100 hectares.
  - b) Logging, or cutting or taking of timber for the purpose of conversion from forest to other land use covering an area of 100 hectares or more but less than 500 hectares.
  - c) Logging, or cutting or taking of timber from forest at less than 300 meters above mean sea level covering an area of 100 hectares or more, outside of permanent reserved forest.
  - d) Conversion of an area of –
    - i) mangrove forest;
    - ii) peat swamp forest; or
    - iii) fresh water swamp forest,for industrial, housing or agricultural use covering an area of 20 hectares or more but less than 50 hectares.
  - e) Development of planted forest covering an area of 100 hectares or more but less than 500 hectares.
- 6) **INDUSTRY:**
  - a) Chemical:

Production capacity of each product or combined products is 100 tonnes or more per day.
  - b) Cement:

Cement grinding plant with cement production capacity of 200 tonnes or more per day.
  - c) Lime:

Production of 100 tonnes or more per day of burnt lime using rotary kiln or 50 tonnes or more per day of burnt lime using vertical kiln.

d) Petrochemicals:  
Production capacity of each product or combined product is less than 50 tonnes per day.

e) Shipyards:  
Dead weight tonnage of 5,000 tonnes or more.

7) LAND RECLAMATION:

Coastal reclamation or land reclamation along river banks involving an area of less than 50 hectares.

8) MINING:

- a) Ore processing outside mineral tenement area, including concentrating of aluminium, copper, gold, iron or tantalum or rare earth element.
- b) Sand mining on land or river or in coastal area or in territorial waters not exceeding 3 nautical miles measured from the low-water line involving an area of 50 hectares or more.
- c) Sand mining in continental shelf area.

9) PETROLEUM:

- a) Development of –
  - i) oil field;
  - ii) gas field; or
  - iii) oil and gas field.
- b) Construction of 30 kilometres or more in length of –
  - i) off- shore pipelines;
  - ii) on-shore pipelines; or
  - iii) off-shore pipelines and on-shore pipelines.
- c) Construction of –
  - i) oil separation, processing, handling and storage facilities;
  - ii) gas separation, processing, handling and storage facilities; or
  - iii) oil and gas separation, processing, handling and storage facilities.
- d) Construction of product depot for the storage of petrol, gas or diesel which has the combined storage capacity of 60,000 barrels or more (excluding service station) within 3 kilometres from any commercial, industrial or residential area.

10) PORTS:

- a) Expansion of port involving an increase of 50 percent or more in handling capacity per annum.
- b) Expansion of fishing port involving an increase of 50 percent or more in fish landing capacity per annum.

11) POWER GENERATION AND TRANSMISSION:

- a) Construction of steam generated power station using fossil fuels (other than coal) and having the capacity of 10 megawatts or more, with or without transmission line.
- b) Construction of combined cycle power station, with or without transmission line.
- c) Construction of transmission line in environmentally sensitive area.

12) DEVELOPMENT IN COASTAL AND HILL AREA:

- a) Construction of building or facilities with 80 rooms or more in coastal area.
- b) Construction of hill station resort or hotel at 300 meters or more above mean sea level covering an area of 20 hectares or more.

13) DEVELOPMENT IN SLOPE AREA:

Development or land clearing less than 50 per cent of an area with slope greater than or equal to 25° but lesser than 35°.

14) WASTE TREATMENT AND DISPOSAL:

- a) Scheduled waste:
  - i) Construction of recovery plant (off-site).
  - ii) Construction of wastewater treatment plant (off-site).
  - iii) Construction of storage facility (off-site).
- b) Solid waste:
  - i) Construction of composting plant.
  - ii) Construction of recovery or recycling plant.
- c) Sewage:
  - i) Construction of sewage treatment plant with 20,000 population equivalent or more.
  - ii) Sludge treatment facilities.

15) DREDGING:

- a) Capital dredging.
- b) Disposal of dredged materials.

16) HOUSING:

Housing development covering an area of 50 hectares or more.

17) INDUSTRIAL ESTATE DEVELOPMENT:

Development of industrial estate covering an area of 20 hectares or more.

18) NEW TOWNSHIP:

Construction of new township consisting of 2,000 housing accommodation units or more or covering an area of 100 hectares or more.

19) QUARRY:

Quarrying of rock material.

20) ROAD:

- a) Construction of expressways.
- b) Construction of highways.
- c) Construction of road, tunnel or bridge traversing or adjacent to environmentally sensitive areas.

21) WATER SUPPLY:

Groundwater development for industrial, agricultural or urban water supply of 4,500 cubic metres or more per day.

**SECOND SCHEDULE**  
**[Subparagraph 3(1) and (4)]**

- 1) **AGRICULTURE:**
  - a) Land development schemes covering an area of 500 hectares or more to bring forest into agricultural production.
  - b) New pig farming area of 2,000 or more standing pig population.
- 2) **AERODROME:**
  - a) Construction of a new aerodrome involving a runway of 1,000 metres or longer.
  - b) Any aerodrome development in or adjacent to any state park, national park, national marine park, island surrounding marine park or environmentally sensitive area.
- 3) **DRAINAGE AND IRRIGATION:**
  - a) Construction of man-made lakes and artificial enlargement of lakes with surface areas of 50 hectares or more in or adjacent to environmentally sensitive area.
  - b) Any drainage of wetland, wild-life habitat or of dry inland forest covering an area of 20 hectares or more.
- 4) **FISHERIES:**

Land based aquaculture projects accompanied by clearing of mangrove forest or fresh water swamp forest covering an area of 50 hectares or more.
- 5) **FORESTRY:**
  - a) Conversion of forest at 300 meters or more above mean sea level to other land use covering an area of 100 hectares or more.
  - b) Logging or conversion of forest to other land use within:
    - i) a catchment area of reservoirs used for municipal water supply, irrigation or hydro-power;
    - ii) an area adjacent to any state park, national park or national marine park;
    - iii) any state park, national park or national marine park; or;
    - iv) a gazetted water catchment forest under the National Forestry Act 1984 [Act 313].
  - c) Logging, cutting or taking of timber from forest at 300 meters or more above mean sea level covering an area of 100 hectares or more, outside permanent reserved forest.
  - d) Logging, cutting or taking of timber covering an area of 500 hectares or more.
  - e) Development of planted forest covering an area of 500 hectares or more.
  - f) Conversion of an area of –
    - i) mangrove forest;
    - ii) peat swamp forest; or
    - iii) fresh water swamp forest,for industrial, housing or agricultural use covering an area of 50 hectares or more.
  - g) Clearing of mangrove forest, peat swamp forest or fresh water swamp forest on islands adjacent to any national marine park.
- 6) **INDUSTRY:**
  - a) Non-ferrous:
    - i) Primary smelting aluminium (all sizes).

- ii) Primary smelting copper (all sizes).
    - iii) Primary smelting other non-ferrous (producing 50 tonnes product or more per day).
  - b) Cement:  
With clinker production capacity of 30 tonnes or more per hour.
  - c) Iron and steel:
    - i) Using iron ore as raw materials for production of 100 tonnes or more per day; or
    - ii) Using scrap iron as raw materials for production of 200 tonnes or more per day.
  - d) Petrochemicals:  
Production capacity of each product or combined product of 50 tonnes or more per day.
  - e) Pulp, or pulp and paper:  
Production capacity of 50 tonnes or more per day.
  - f) Recycle paper industry:  
Production capacity of 50 tonnes or more per day.
- 7) LAND RECLAMATION:
- a) Coastal reclamation or land reclamation along river banks involving an area of 50 hectares or more.
  - b) Coastal reclamation or land reclamation along river banks, within or adjacent to environmentally sensitive areas.
  - c) Reclamation for man-made island.
- 8) MINING:
- a) Mining of minerals in new areas involving large scale operation.
  - b) Mining of minerals within or adjacent to environmentally sensitive area.
- 9) PETROLEUM:
- a) Construction of oil refineries.
  - b) Construction of gas refineries.
  - c) Construction of oil and gas refineries.
- 10) PORTS:
- a) Construction of a new port.
  - b) Construction of a new fishing port.
- 11) POWER GENERATION AND TRANSMISSION:
- a) Construction of coal fired power station and having the capacity of 10 megawatts or more with or without transmission line.
  - b) Construction of nuclear-fuel power station, with or without transmission line.
- 12) DEVELOPMENT IN COASTAL AREA, NATIONAL PARK AND STATE PARK:
- Development of tourist facilities, recreational facilities or other facilities:
- a) in any national park or state park; or
  - b) on any island in surrounding waters which has been gazetted as a national marine park or marine reserve under the Fisheries Act 1985 [Act 317].

13) DEVELOPMENT IN SLOPE AREA:

- a) Development or land clearing of 50 per cent or more of an area with slope greater than or equal to 25° but lesser than 35°.
- b) Construction of road, tunnel or bridge traversing an area with slope greater than or equal to 35°.

14) WASTE TREATMENT AND DISPOSAL:

- a) Scheduled waste:
  - i) Construction of thermal treatment plant.
  - ii) Construction of off-site recovery plant for lead acid battery wastes.
  - iii) Construction of off-site recovery plant or treatment facility that generates significant amount of wastewater which is located upstream of public water supply intake.
  - iv) Construction of secure landfill facility.
- b) Solid waste:
  - i) Construction of thermal treatment plant.
  - ii) Construction of sanitary landfill facility.
  - iii) Construction of transfer station.

15) CONSTRUCTION OF DAM:

- a) Construction of any dam or impounding reservoir for the purpose of irrigation, flood mitigation, control of siltation, recreational, water supply or any other reason with a surface area of 100 hectares or more.
- b) Dam and hydro-electric power scheme with either or both of the following:
  - i) dam of 15 metres or more in height and ancillary structures covering a total area of 40 hectares or more;
  - ii) reservoir with a surface area of 100 hectares or more.

16) TRANSPORTATION:

- a) Construction of new routes or branch line for a mass rapid transport project.
- b) Construction of new railway route or railway branch lines.

17) RADIOACTIVE MATERIALS AND RADIOACTIVE WASTE:

Any activity specified in this Schedule and the First Schedule using radioactive materials and generating radioactive wastes.