

**GOVERNMENT NOTICE No. 58**

**ENVIRONMENT MANAGEMENT ACT**

**(No. 23 OF 1996)**

## **ENVIRONMENT (SPECIFICATION OF PROJECTS REQUIRING ENVIRONMENTAL IMPACT ASSESSMENT) NOTICE, 1998**

- 1. This notice may be cited as the Environment (Specification of Projects Requiring Environmental Impact Assessment) Notice, 1998**
- 2. The projects specified in the Schedule shall not be implemented unless an environmental impact assessment is carried out.**

### **SCHEDULE**

#### **PROJECTS FOR WHICH ENVIRONMENTAL IMPACT ASSESSMENT IS REQUIRED**

- 1. Agriculture/Aquaculture Projects -**
  - agricultural drainage projects of more than 10 hectares;
  - irrigation schemes designed to serve more than 10 hectares;
  - land development for the purposes of agriculture on a piece of land greater than a 20 hectare holding;
  - agricultural projects necessitating the resettlement of 20 or more families;
  - any change from one agricultural land use to another on a piece of land greater than 20 hectares holding;
  - use of more than 1 tonne of fertilizer/hectare per annum on a piece of land greater than a 20 hectare holding except for lime applications;
  - use of the following concentrations of pesticides on a piece of land greater than a 5 hectare holding -  
more than 5 litres per hectare of ultra-low volume pesticides, per application; or more than 1 litre per hectare of aerial applications of pesticides; or more than 20 kilograms per hectare for each application of granular pesticides;
  - construction of fish-farming or ornamental pond (s) where the capacity is greater than 100 cubic metres or where there is any direct discharge from a fish pond to a receiving water body; and
  - any proposal to introduce fish species in an area where they do not presently exist.
- 2. Projects in the Food and Beverage Production Industry -**

- (a) construction of new abattoir or slaughtering houses with a capacity of greater than 100 animals per day and expansion to existing abattoirs or slaughtering houses to a capacity of greater than 100 animals per day;
- (b) construction of new canning and bottling operations with a work space of greater than 5,000 square metres or expansion to an existing canning or bottling operation to a work space of greater than 5,000 square metres;
- (c) construction of new breweries and distilleries with a production capacity of greater than 25,000 litres per day or expansions to existing breweries or distilleries to a production capacity of greater than 25,000 litres per day;
- (d) construction of new sugar production operations or expansions to existing sugar production operations by greater than 10 per cent; and
- (e) construction of, or expansion to, tea or coffee processing industries.

### **3. Water Resources Development Projects -**

- (a) construction of, or expansion of, ground water utilization projects where the utilization will be greater than 15 litres per second or where the well is 60 metres or deeper;
- (b) construction of new water pipelines or canals longer than 1 kilometre, or expansions to existing water pipelines or canals by longer than 1 kilometre, where the cross-sectional area is greater than 20 square metres and the volume of water to be carried will be greater than 50 cubic metres per second;
- (c) water pumping stations adjacent to lakes, rivers and reservoirs which withdraw more than 2 cubic metres per second;
- (d) drinking water supply schemes to serve a population of greater than 10,000 people or expansions of existing schemes to serve such a population, or water reticulation networks with more than 10 kilometres of pipeline;
- (e) construction of reservoirs with a capacity of more than 500,000 litres or with a surface area of greater than 100 hectares or expansions of existing reservoirs by greater than 500,000 litres or greater than 100 hectares; and
- (f) construction or expansion of dams with a height of 4.5 metres or higher.

### **4. Infrastructure Projects -**

- (a) construction of new sanitary sewerage works, or expansion of existing sanitary sewerage works, to serve a population of more than 5,000 people;
- (b) construction of new storm sewerage works, to drain an area of greater than 10 hectares;
- (c) any new sewerage outfall to a receiving water body or location or sewerage systems or septic tanks within 1 kilometre of a water body;
- (d) construction or expansion of septic tanks servicing more than 100 people or 20 homes or which receive more than 100 cubic metres per day of waste water;
- (e) construction of new highways and feeder roads or expansion of existing highways and feeder roads;
- (f) construction of new airports and airstrips or expansion of existing airport and airstrips and their ancillary facilities;
- (g) construction of new, or expansions to existing, railway lines;
- (h) construction of new, or expansions to existing, railway lines; and
- (i) establishment or expansion of industrial estates.

**5. Waste Management Projects -**

- (a) establishment or expansion of any of the following hazardous waste management facilities -
  - (i) incineration plant;
  - (ii) off-site recovery plant;
  - (iii) off-site waste disposal facility;
  - (iv) off-site storage facility;
  - (v) landfill-site;
- (b) establishment or expansion of any of the following municipal solid waste management facilities serving a population of greater than 1,000 people -
  - (i) landfill site;
  - (ii) incineration facility;
  - (iii) composting facility;
  - (iv) recover/recycling facility;
  - (v) waste depots/transfer sections; and

- (c) establishment or expansion of on-site waste treatment facilities.

**6. Energy Generation, Transmission and Storage Projects -**

- (a) construction or expansion of electrical generating facilities designed to operate at greater than 4MW or, in the case of hydroelectric generating facilities, where the total head is greater than 20 metres or, where there is a firm flow or 100 cubic metres per second or greater;
- (b) construction or electrical transmission facilities operating at a voltage of 132 KV or greater;
- (c) construction or expansion of oil and gas pipelines longer than 1 kilometre;
- (d) construction or expansion of storage facilities (including service stations) for oil, gas, petrol or diesel located within 3 kilometres of commercial, industrial or residential area and with a storage capacity of 500,000 litres or more; and
- (e) all activities associated with nuclear power development.

**7. Industrial Projects -**

- (a) construction of, and expansion to, industries involving the use, manufacturing, handling, storage, transport or disposal of hazardous or toxic chemicals as regulated under the hazardous chemicals regulations made under the Act;
- (b) construction of, or expansion to, any of the following industrial operations -
  - (i) tanneries;
  - (ii) pulp and paper mills;
  - (iii) lime plants;
  - (iv) cement plants;
  - (v) all types of metters;
  - (vi) petrochemical plants;
  - (vii) chemical plants;
  - (viii) soap and detergent plants;
  - (ix) fertilizer manufacturing operations; and
- (c) construction of textile manufacturing operations (including carpet-making) which consume greater than 5,000 square metres of surface

area or expansions to existing textile manufacturing operations to a capacity of more than 5,000 square metres.

**8. Mining and Quarrying Projects -**

- (a) any mining and quarrying activity for which an exclusive prospecting license, a mining claim license or a mining license is required;
- (b) any extraction of sand, gravel, clay or topsoil material (be it from the ground, banks or beds or water bodies) by means of any explosive or heavy machinery; and
- (c) any explosive manufacturing and blasting operation.

**9. Forestry Projects -**

- (a) establishment or expansion of logging operations covering an area of greater than 50 hectares;
- (b) establishment of or expansions to existing logging operations on hill sides with a slope of greater than 10 per cent covering an area of greater than 10 hectares or any conversion of forested land with a slope of greater than 10 per cent to another land use on a piece of land greater than 10 hectares;
- (c) establishment of logging or conversion of forested land to another land use within the catchment area of reservoirs; and
- (d) establishment of forest plantation of greater than 50 hectares.

**10. Land Development, Housing and Human Settlement Projects -**

- (a) establishment of, or expansion to an existing, housing development of a size greater than 5 hectares or where more than 500 people are intended to be housed;
- (b) resettlement programmes for 500 or more people or the creation of refugee camps intended to shelter 500 or more people;
- (c) filling in of water bodies for the purpose of land development where the surface area of the gross fill deposit is greater than 5 hectares; and
- (d) land reclamations projects greater than 100 hectares.

**11. Remedial Flood and erosion Control Project -**

- (a) construction of breakwaters, seawalls, jetties, dikes and groynes of greater than 2 metres in height or 1 kilometre in length to remedy shoreline erosion or flooding;
- (b) construction of dams or weirs with a height of greater than 2 metres or which divert more than 20 cubic metres per second or any bypass channels or channel realignments to remedy riverine erosion or flooding; and
- (c) shoreline stabilization projects where the shoreline is greater than 1 kilometre.

**12. Tourism Development Projects -**

- (a) construction of resort facilities and hotels with a capacity of more than 50 people or expansion to existing facilities by a factor of greater than 50 people;
- (b) construction of safari lodges and operations with a capacity of more than 50 people or expansion to existing facilities by a factor of greater than 50 people.
- (c) construction of marine facilities with more than 10 boat slips or expansion of existing marine facilities by more than 10 boat slips;
- (d) development of tourism master plans which have several projects associated with them.

**13. Projects, in proximity to, or which have the potential to affect -**

- (a) areas of unique historical, cultural, scientific or geographical significance or which have received some kind of world heritage designation;
- (b) national parks, game reserves and protected areas;
- (c) wetlands;
- (d) water bodies;
- (e) flood zones;
- (f) major sources of drinking water, including communal wells;
- (g) cemeteries or ancestral shrines; and
- (h) residential, school and hospital areas, as designated in local planning documents.

**14. Major Policy Reforms -**

- (a) degazettment of forestry reserves;

- (b) changes to zoning plans; and
- (c) proposed introduction of any exotic species.

**17th day of June, 1998**