WATER RESOURCES COMMISSION

APPLICATION FOR A DAM SAFETY LICENCE

APPLICATION FORM FOR A LICENCE TO OPERATE OR CONSTRUCT OR ALTER A CLASS I, II, III OR IV DAM

GENERAL PARTICULARS AND INSTRUCTION

Any person who intends to operate or build a class I, II, III or IV dam or to change or enlarge an existing dam in such a way that the completed dam would be classified as a class I, II, III or IV dam should submit the information required in this form.

1. GENERAL PARTICULARS OF THE DAM

1.1 Date of Classification: _____Class: _____

1.2 Name of Dam: _____

(If the proposed work has not been classified yet, a registration and classification form must be completed first)

1.3 Name of Owner: _____

1.4 Telephone Number: _____

1.5 Postal Address of Owner: _____

1.6 Name of Contact Person: _____

1.7 Email of Contact Person: _____

1.8 Region: _____

1.9 District: _____

1.10 Town: _____

1.11 Name of Water Course in which the Dam is situated: _____

1.12 Latitude: _____Longitude: _____

1.13 Purpose of the Dam: _____

1.14 Type of Wall: _____

1.15 Quantities of construction material (in cubic metres)

Concrete: _____

Rollcrete: _____

Rockfill: _____

Earthfill: _____

Nature and extent of proposed alterations in the case of an existing dam.

_____

_____

2.0 HYDROLOGICAL PARTICULARS OF THE PROJECT

2.1 Size of the catchment area (km): _____

2.2 Maximum Storage capacity (m): _____

2.3 Size of the design flood and the expected recurrence interval thereof (m^3/s):_____

2.4 Size of the expected regional maximum flood (m^3/s):_____ and expected possible maximum flood (m^3/s): _____

3.0 PARTICULARS OF THE HYDRAULIC STRUCTURE AND COMPONENTS

3.1 Type of spillway and dimensions: _____

3.2 Amount of free board (the vertical difference between the level of the crest and the level of the design) (m): _____

3.3 Relative levels of the river bed immediately downstream of the structure (m) _____ spillway crest (m) _____and non-spillway crest (m) _____

3.4 Tailwater level during design flood (m): _____

3.5 Discharge capacity of the spillway with 'no' free board (m^3/s): _____

3.6 Description of any spillway gates

_____

_____

_____

3.7 What type of energy dissipater was prescribed and what are the important dimensions?

_____

_____

3.8 Description of the outlet works: _____

3.9 Location of control point: _____

3.10 Location of emergency gate: _____

3.11 Size and number of conduit: _____

3.12 Control mechanism: _____

3.13 Description of any auxiliary spillway: _____

3.14 Location: _____

3.15 Control Level: _____

3.16 Nature: _____

3.17 Crest length (m): _____

3.18 Number of days needed to draw water-level of the dam from full supply level to different levels with no inflow as follows:

Percentage of full supply level	**Number of days**
90	_____
80	_____
60	_____
10	_____

4.0 PARTIICULARS OF THE STABILITY OF THE PPROPOSED DAM

4.1 Maximum height of wall (m):_____

4.2 Wall thickness at the foundation at the maximum cross-section (m): _____

4.3 Width of crest (m): _____

4.4 Gradient of the upstream side: _____

4.5 Gradient of the downstream side: _____

4.6 Total crest length of the wall (m): _____

4.7 A general engineering description of the construction materials for the use in different time zones of the wall, with reference to the composition, nature, grading and geological origin.

_____

_____

_____

_____

_____

5.0 A BRIEF HYDROLOOGICAL DESCRIPTION OF THE GENERAL NATURE OF THE MATERIALS FORMING THE FOUNDATION OF THE DAM

_____
_____
_____
_____
_____

6.0 PARTICULARS OF THE CONTRUCTION OF THE WORKS

6.1 Planned date of commencement of the construction work: _____

6.2 Expected duration of the construction work: _____

6.3 Name of contractor: _____

7.0 SITE SUPERVISORS DURING CONSTRUCTION BY THE APPROVED PROFESSIONAL PERSON AND HIS REPRESENTATIVES

7.1 Will there be full-time (daily) supervision? _____

7.2 If not, planned frequency of site inspections

_____

7.3 What construction work may not start before the preparatory work has been inspected?

_____
_____
_____

7.4 Estimated number of site inspections by the approved professional person: _____

7.5 Estimated number of site inspections by the representatives of the approved professional person: _____

8.0 COST ESTIMATES

8.1 Construction cost: _____

8.2 Cost of site supervision by consulting engineer: _____

9.0 DOCUMENTATION

The following reports or drawings are included:

Title of report, plan or project specification	Number	Date
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SIGNATURE: _____ **DATE:** _____