

5. PARTICULARS OF DEVELOPMENT DOWNSTREAM OF THE DAM

Describe with the aid of a 1:50 000 scale map the nature and situation of development downstream of a dam that would be threatened by a failure of the dam. Development means any houses, dwellings, other buildings, roads, bridges, cultivated lands, orchards, powerline foundations etc.

The area downstream of the dam wherein all development must be described is defined as follows;

- For every one metre of maximum wall height, at least one kilometre of the valley downstream of the dam wall should be analysed
- For the calculation of the width of the strip the following heights above river bed may be assumed;

2/3 of maximum wall height for the first kilometre downstream and 1/2 of the maximum wall height for the rest of the downstream distance

5.1. Development downstream of the dam (houses, dwellings and other similar structures)

Distance downstream (km)	Purpose or use of structure	Height above river bed (m)	Distance from river (m)	Number of inhabitants or users
0	pumphouse downstream of the embankment			0

5.2. Road and railway crossings downstream of the dam

Distance downstream (km)	(1) Type of road or railway	If a road, is it tarred? (Y/N)	Height of road / railway above river bed (m)	Bridge, culvert or pipe openings				(2) Type of crossing	(3) Visibility distance (m)	Number of vehicles per day
				Width (mm)	Height (mm)	Diameter (mm)	How many?			
0.02	DRD	N		5000	2000	840	1	E	i ii	<100
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(1) Type of road or railway - Use one of the following abbreviations

- NRD = national road MRD = main road SRD = secondary road DRD = district road
 FRD = farm road STR = single track railway MTR = multi-track railway

Explain other abbreviations =

(2) Type of crossing - Use one of the following abbreviations

- C = culverts or pipes encased in concrete E = culverts or pipes buried in earthfill or rockfill
 B = concrete bridge with piers D = drift with same height as river bed

Explain other abbreviations =

(3) Visibility distance - This is the distance to a bridge or crossing from where a motorist can see if there is any danger in using the bridge or crossing. Both approach distances are required. **The order in which i and ii are written does not matter.**


If the distance equals or exceeds 1 kilometre, enter 999

5.3. Other development downstream of the dam, not covered by 5.1 or 5.2

IRRIGATION AREAS									

6. DECLARATION BY APPLICANT

I declare that the information given by me for the classification of the above dam is true and correct.

Signature: 

Date: 17-Aug-20

NB! Remember to attach a clear copy of the relevant topographical map (see 2.6)