

## USER'S MANUAL: Templates for DGR sizing

The DGR sizing estimation ( Disposal area) can be done by using the Template separately for Open Fuel Cycle and Closed Fuel Cycles by providing the input data.

### 1. Open Fuel Cycle

#### Input data required

- Provide Spent fuel generation ( tonnes) from NFCSS simulation results 'Material Flow calculations' from " Back End' tab as total spent fuel discharge "SFD".
- Provide value of Fuel assembly weight in tHM/Assy
- Provide number of Fuel assemblies per cask
- Tunnel spacing ( m) e.g. 25 m for crystalline and 10 m for clay

#### Output results

- Number of packages generated per year ( units)
- No. of packages per unit mass ( unit/t HM)
- Occupied area ( M2/unit)
- Total Disposal Area (M2)
- Disposal Area (M2/tHM)