



## Exercise 3.1: Video on Resource Efficiency in India

**Required time: 5 minutes**

### Introduction

Watch the video and take notes on the following aspects about resource efficiency in India:

#### Challenges in current resource use in India:

- Significant increase in consumption and production needs constant material flow
- Per capita material usage increased 2.5 times since the 1980s
- Comparatively low rate of resource efficiency
- Finite resources can lead to an economic crisis
- While only 3% of resource is imported, the major share of some critical materials are imported (such as phosphate, cobalt and nickel)
- This makes India vulnerable to supply shocks
- High rate of extraction of domestic resources could lead to depletion of resources and towards an increasing dependency on supply from other countries (and therefore on unstable global market prices)
- Careless exploitation of critical natural resources can further have negative social and environmental implications (like increased GHG emissions)

#### Opportunities for the Indian economy:

- India economy is vast in diversity of sectors, sizes and resource footprints

#### Key sectors for resource efficiency in India:

- Automobile industry
- Construction industry

#### Potentials for increasing RE in across these sectors:

- Optimization of production processes
- Reuse of demolition debris (reduces needs for new materials)