

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

UNSTARRED QUESTION NO:3365
ANSWERED ON:12.05.2006
ENERGY CONSERVATION BY SUPER CONDUCTIVITY
Singh Shri Rakesh

Will the Minister of POWER be pleased to state:

- (a) whether the Government is aware that 25 per cent of energy could be conserved by super conductivity;
- (b) if so, whether the Government has formulated any effective scheme to solve this problem through the use of super conductivity wires as in other countries; and
- (c) if so, the details thereof?

Answer

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE)

(a) to (c) : Use of Super-conducting material can lead to significant saving in energy. However, due to very high commercial cost and high degree of cooling required for its operation, at present it is technically not viable and affordable. Research in India as well as other countries is going on to find super-conducting material that can work at room temperature is convenient to use and is inexpensive.

The Government of India has funded research and development projects in national research organizations to develop high temperature superconductors. As of now, such materials are still not available for large scale commercial applications in energy saving.