

**GOVERNMENT OF INDIA  
HEAVY INDUSTRIES AND PUBLIC ENTERPRISES  
LOK SABHA**

UNSTARRED QUESTION NO:1022  
ANSWERED ON:27.02.2006  
NEW SERIES COMPENSATION SCHEME BY BHEL  
Patel Shri Kishanbhai Vestabhai;Singh Shri Sugrib

**Will the Minister of HEAVY INDUSTRIES AND PUBLIC ENTERPRISES be pleased to state:**

- (a) whether Bharat Heavy Electricals Limited has developed a new series compensation scheme to enhance power transfer capability and reduce transmission losses;
- (b) if so, the details thereof; and
- (c) the extent to which energy would be saved by the said scheme?

**Answer**

MINISTER OF STATE IN THE MINISTRY OF HEAVY INDUSTRIES AND PUBLIC ENTERPRISES (SMT. KANTI SINGH)

(a) & (b): Yes, Sir. Bharat Heavy Electricals Limited (BHEL) has developed a new series of compensation scheme involving thyristor controlled reactors popularly known as `Flexible AC Transmission System` for enhancing the power transfer capability of transmission lines and reducing transmission losses. With this technology, series compensation has been done at Ballabgarh at 400 KV level with 35% fixed compensation and 8% controlled compensation with indigenously developed controller.

(c) The overall saving of transmission in Ballabgarh network is about 4 MV.