

Research Institute are progressing as per schedule to upgrade the performance of the coal washeries;

(b) if so, the details thereof; and

(c) if not, the reasons therefor ?

THE MINISTER OF STATE IN THE DEPARTMENT OF COAL IN THE MINISTRY OF ENERGY (SHRI C. K. JAFFER SHARIFF) : (a) Yes, Sir.

(b) and (b) For upgradation of the performance of coal washeries, Coal India Ltd. took up following projects in collaboration with Central Fuel Research Institute during the year 87-88.

- (i) Incorporation of Oleo-flotation process of CFRI in the 20 TPH Pilot Plant in the slurry circuit of Sudamdih Washery;
- (ii) Stabilisation of Flotation circuit of Sudamdih Washery;
- (iii) Washability Investigation on composite feed coals of Bhojudih and Sudamdih Washerries.

Of these 3 project 2 have already been completed and third is progressing as scheduled.

Improvement in Washing Circuits of Coal washeries

6791. SHRI PURAN CHANDRA MALIK : Will the Minister of ENERGY be pleased to state :

(a) the steps Government have taken to incorporate the improvements in the existing washing circuits of the coal washeries which were established in the early sixties; and

(b) the details thereof ?

THE MINISTER OF STATE IN THE DEPARTMENT OF COAL IN THE MINISTRY OF ENERGY (SHRI C. K. JAFFER SHARIEF) : (a) and (b) The Altekar Committee appointed by the

Department of Coal in 1985 has recommended a number of measures to bring about improvements in the coal washeries including Dugda I and II, Bhojudih and Patherdih washeries set up in the sixties. Based on these recommendations and keeping in mind resources availability, action plans have been drawn up by the coal companies and are under implementation. The improvements/modifications suggested in these four washeries include installation of rock breakers and crushers, installation of de-shalling jigs, upgradation of fines etc. The scheme for modernisation of Patherdih Washery was sanctioned by the Government of India in February, 1988.

Projects entrusted to C.S.I.R. laboratories

6792. SHRI MATILAL HANSDA : Will the Minister of ENERGY be pleased to state the projects and investigations which the Coal India Ltd. and its subsidiaries have already entrusted and propose to entrust to the Council for Scientific and Industrial Research Laboratories in future ?

THE MINISTER OF STATE IN THE DEPARTMENT OF COAL IN THE MINISTRY OF ENERGY (SHRI C. K. JAFFER SHARIEF) : Central Mine Planning and Design Institute, a subsidiary of Coal India Ltd., have entrusted following projects/investigations to various laboratories of Council of Scientific and Industrial Research :

- (i) Endurance Trial tests on 2 TPH Oil agglomeration pilot plant at Lodna, Bharat Coking Coal Ltd.;
- (ii) Construction of up-scaled 10 TPH Oil agglomeration pilot plant at Patherdih washery, BCCL;
- (iii) Trial runs of Oleo Flotation pilot plant at Sudamdih washery, BCCL;
- (iv) Installation of Heavy Media cyclone Pilot plant for washing of coal crushed to 3 mm and dovetailing the pilot plant with the oil agglomeration pilot plant at Patherdih;