

**GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA**

UNSTARRED QUESTION NO:4587
ANSWERED ON:18.12.2002
DEVELOPMENT OF THREE PIECE MANIPULATOR
A.D.K. JEYASEELAN

Will the Minister of ATOMIC ENERGY be pleased to state:

- (a) whether Kerala Hightech Industries Limited, a Government enterprise, has developed a three piece manipulator for handling hazardous nuclear waste;
- (b) if so, whether this manipulator has been handed over to the Bhabha Atomic Research Centre (BARC); and
- (c) the results achieved by this manipulator?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF SMALL SCALE INDUSTRIES, MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS, MINISTER OF STATE IN THE MINISTRY OF PLANNING AND MINISTER OF STATE IN THE DEPARTMENTS OF ATOMIC ENERGY AND SPACE (SHRIMATI VASUNDHARA RAJE)

- (a) Yes, Sir. The Kerala Hightech Industries Limited, a Government Enterprise, has manufactured a three-piece manipulator for remote handling of radioactive materials based on inputs provided by the Bhabha atomic Research Centre (BARC).
- (b) Yes, Sir. Two pairs of manipulators have been formally handed over to BARC and are presently being transported to Mumbai.
- (c) Functional tests carried out on the manipulators at Kerala Hightech Industries Limited have been very satisfactory and acceptable to BARC.