

**Function of Heavy Water Plant
Baroda**

1180. SHRI LADLI MOHAN NIGAM: Will the PRIME MINISTER be pleased to state:

(a) whether the Heavy Water Plant at Baroda was shut down sometime in May, 1982;

(b) if so, the period for which the plant remained closed;

(c) the number of times the plant remained closed during the last two years stating the period of its closure;

(d) the extent to which the production of heavy water suffered a set back as a result of its erratic functioning and the overall loss suffered by Govt, on this account; and

(e) the measures taken by Govt, to improve its working?

THE MINISTER OF STATE IN THE DEPARTMENTS OF SCIENCE AND TECHNOLOGY, ELECTRONICS AND ENVIRONMENT AND OCEAN DEVELOPMENT (SHRI CHANDRA PRATAP NARAIN SINGH): (a) Yes, Sir.

(b) From 20th May to 25th June, 1982.

(c) During the first six months period of regular operation from July 1980 to end of 1980 the plant was shut down on fourteen occasions due to initial operational problems. During the subsequent eighteen months the plant was shut down once for planned maintenance and on twenty two occasions due to plant internal problems. The plant remained shut down for approx. 2100 hrs. on these twenty two occasions put together. In addition to the above, on each occasion about forty to fifty hrs. are lost from restart to steady operation. In addition to the above the plant lost

approx. five hundred hrs. of production due to problems external to the plant such as power trips and quality and availability of synthesis gas.

(d) The assessed loss of heavy water production, as a result of the outages due to internal causes based on average production is approx. 12.25 tonnes.

(e) Reasons for the equipment failure have been identified and remedial measures are being taken to improve the working of the plant.

**Non-functioning of second units of
RAPP**

1181. SHRI BHUVANESH CHATURVEDI: Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that the second unit of the Rajasthan Atomic Power Project near Kota which went into operation in the night of 26th June, 1982 stopped functioning since morning of the 27th June, 1982; and

(b) if so, what are the details in this regard and what action Government propose to take in the matter?

THE MINISTER OF STATE IN THE DEPARTMENTS OF SCIENCE AND TECHNOLOGY, ELECTRONICS AND ENVIRONMENT AND OCEAN DEVELOPMENT (SHRI CHANDRA PRATAP NARAIN SINGH): (a) and (b). Unit-2 of the Rajasthan Atomic Power Station which was synchronised to the grid on 26-6-1982 was shutdown at midnight of the same day and re-synchronised to the grid on 27-6-1982. The power level of the Unit was subsequently raised to 100 MWe, at which level it was operating till 5-7-82 when due to severe grid fluctuations and equipment fault the Unit was shutdown. Efforts are being made to bring the Unit back on line as early as possible.