

a number of wells from the same location. This saves the land use and thus achieves reduction of cost on one hand and lesser impact on environment, particularly in forest areas, on the other.

iii) **Horizontal Drilling:**

In this technique wells are drilled with very high angle of deviation to penetrate the producing horizons parallel to their bedding plains. The technique is useful in obtaining production from thinly bedded and fractured reservoirs.

iv) **Application of systems for determining optimised drilling parameters:**

By optimising parameters for drilling bits a faster penetration is achieved. This reduces downtime, as well as per meter cost of drilling.

v) **Application of computers:**

Computer aided techniques are being increasingly used for analysing Downhole data for predicting pore-pressures of the formations and other activities. These put together provide means to effectively handle complications and hazardous conditions.

vi) **New generation tools and techniques:**

The latest emerging technologies and tools are being used. These are Downhole Motors, Measurement Well Drilling (MWD), new generation diamond

bits, polycrystalline diamond bits, and hybrid bits.

(c) Yes, Sir.

(d) The feasibility studies for drilling horizontal wells in Balol and Lanwa fields have been completed by the Institute of Production Technology, Institute of Drilling Technology and Institute of Reservoir Studies.

Rail Link between Kudachi and Bagalkot (S.C. Rly.)

1151. SHRI S.T. PATIL: Will the Minister of RAILWAYS be pleased to state:

(a) whether there is demand for laying a new railway line from Kudachi to Bagalkot on South Central Railway; and

(b) if so, whether Government propose to sanction this project and when it is likely to be taken up?

THE MINISTER OF RAILWAYS (SHRI GEORGE FERNANDES): (a) No, Sir.

(b) Does not arise.

Nationalisation of Multi-National Drug Companies

1152. SHRI SUDARSAN RAYCHAUDHURI: Will the Minister of PETROLEUM AND CHEMICALS be pleased to state:

(a) whether Government are considering any proposal to nationalise all multi-national drug companies in the country; and

(b) if so, the details thereof?

THE MINISTER OF PETROLEUM AND CHEMICALS (SHRI M.S. GURUPADASWAMY): (a) No, Sir.