

**GOVERNMENT OF INDIA
PETROLEUM AND NATURAL GAS
LOK SABHA**

UNSTARRED QUESTION NO:339
ANSWERED ON:01.03.2007
HYDROCARBON DEPOSITS
Nayak Smt. Archana

Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

- (a) whether India is likely to take a quantum jump in the field of Hydrocarbon in the coming years;
- (b) if so, the details thereof;
- (c) the potential of Hydrocarbon deposits of the country at present;
- (d) the steps taken to find out hydrocarbon deposits of the country and to exploit the same;
- (e) whether there is any major improvement in the search of Hydrocarbons by the Oil and Natural Gas Corporation (ONGC); and
- (f) if so, the details thereof?

Answer

MINISTER OF STATE IN THE MINISTRY OF PETROLEUM & NATURAL GAS (SHRI DINSHA PATEL)

- (a) Yes Sir. As per the draft XI Five Year Plan Programme, major activities in hydrocarbon Exploration & Production sector are expected to take a quantum jump as against the likely achievements in X plan.
- (b) the details are at Annex.
- (c) Total prognosticated hydrocarbons resources of the country have been estimated about 28 billion tonnes. As on 1.4.2006, out of this, in place oil and gas reserves of 8.7 billion tonnes has been established.
- (d) Following steps have been/are being taken to explore and exploit hydrocarbon deposits in the country:-
 - # Carving out more and more areas for areas for exploration for offer under various round of New Exploration Licensing Policy (NELP).
 - # Quicker development of discovered reserves for enabling commencement of production.
 - # Use of simulation techniques for increasing production from existing fields.
 - # Application of Enhanced Oil Recovery (EOR)/ Improved Oil Recovery (IOR) techniques for increasing recovery factor from existing fields.
 - # Acquisition of exploration acreages and producing properties overseas to bring in equity oil.
 - # Supplementing efforts to explore non-conventional energy sources such as bio-diesel, ethanol, etc.
- (e)&(f):-ONGC has achieved its X-Plan (2002-07), targets for the seismic data acquisition. Against the planned target of 35286 Line Kilometers of 2 D seismic and 34834 sq.km 3D seismic the total acquisition as on 01.01.2007 has been 59144 Line Kilometers of 2 D seismic & 81169 sq.km of 3 D seismic. Against planned exploratory well drilling target of 561 wells the achievement as on 01.01.2007 has been 550 exploratory wells. During the same period (2002-07) against the planned inplace accretion target of 548.43 million metric tonne (MMt) Oil + Oil Equivalent Gas (O+OEG), the total inplace accretion as on 01.04.2006 has been 507.24 MMt(O+OEG). For 2006-07, as inputs are all inplace, ONGC would possibly be achieving its exploratory drilling and in place accretion targets before the end of this year. Due to application of EOR/IOR techniques, incremental oil gain was 22.6 MMT by ONGC from 2000-01 to 2005-06.