

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

UNSTARRED QUESTION NO:4525
ANSWERED ON:24.04.2000
DEEP WATER EXPLORATION
DR. KIRIT SOMAIYA;JASWANT SINGH YADAV

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

- (a) whether ONGC has taken up extensive deep water exploration activities in the East and West Coast;
- (b) if so, the details thereof;
- (c) whether seismic studies have been carried out in the East and West Coasts;
- (d) if so, the details thereof;
- (e) the likely time for completion of the said study;
- (f) whether ONGC has launched any programme to increase production from the existing fields; and (g) if so, the details thereof?

Answer

MINISTER OF STATE IN THE MINISTRY OF PETROLEUM AND NATURAL GAS

(SHRI SANTOSH KUMAR GANGWAR)

(a)to(g): A statement is enclosed.

Statement referred to in reply to parts (a) to (g) of Lok Sabha Unstarred Question No.4525 for 24.4.2000

(a)&(b): Oil and Natural Gas Corporation Ltd. (ONGC) drilled the first deep water well in Krishna-Godavari (KG) offshore in 1983. Till date seven wells on six prospects, (both in East and West coast) have been drilled in the deepwater regime. Out of the five wells drilled in East coast, two are hydrocarbon bearing. Of the two wells drilled in West coast, one well went dry and the other is under testing. During the IX Plan period, seven exploratory wells are planned in deep water areas of East and West coast. So far, five wells have been drilled of which one is under testing (as on 1.4.2000). Additionally, 3041 LKM of 2D, 32194 LKM of 3D seismic data has been acquired. Based on Mid Term Review carried out during 1999, it is envisaged to acquire 22,500 Line Kilometre (LKM) of 2D; 1,19,000 LKM of 3D and drill eight wells in the deep water areas during the remaining period of IX Plan.

(c)&(d): As on 1.4.2000, total seismic data acquired both in East coast and West coast areas is as below:

2D-LKM 3D-LKM

Shallow water - 400038 424751
Deep water - 115811 39610

(e): As both East and West coast basins are petroliferous, the seismic data acquisition, processing, interpretation in various offshore areas is a continuous process.

(f)&(g): Various actions taken/being taken by ONGC for augmenting the crude oil and natural gas production include:

- Repair and servicing of existing wells (sick/producing); - Artificial lifts/stimulation of wells for maintaining/enhancing production rates; - Induction of advanced and cost effective technology; - Drilling of additional infill wells to reduce the sweep area; - Redistribution of water injection; - Fire flooding in heavy oil belt of Mehsana; - Cyclic steam stimulation; - Artificial lift optimisation; - Long distance side tracking; - Drilling of additional wells through clamp-on structures on existing well platforms.