

Statement

Funds allocated to the North Eastern States under the “Non-Lapsable Central Pool of Resources Scheme” implemented by Ministry of DoNER and the actual release to the North Eastern States, year-wise

(₹ in crore)

Year	Budget Allocation (Revised Estimates)	Expenditure/Release
1998-99	106.34	106.34
1999-00	409.96	409.96
2000-01	309.25	309.25
2001-02	491.57	491.57
2002-03	550.00	550.00
2003-04	550.00	550.00
2004-05	650.00	650.00
2005-06	679.18	679.18
2006-07	700.00	689.83
2007-08	600.00	636.00
2008-09	650.00	660.38
2009-10	700.00	668.62
2010-11	799.99	805.77
2011-12	798.99	798.99
2012-13	775.00	775.00
2013-14	850.00	850.00
2014-15	704.50	704.50
2015-16	635.42	497.58 @
TOTAL	10960.20	10832.97

@: as on 26.02.2016

Development in technology for deep sea mining

1451. PROF. M. V. RAJEEV GOWDA: Will the Minister of EARTH SCIENCES be pleased to state whether there are any plans in pipeline for development of technology and industrial base for deep sea mining to extract deep-sea reserves like gas hydrates and if so, the details thereof?

THE MINISTER OF EARTH SCIENCES (DR. HARSH VARDHAN): Yes, Sir. National Institute of Ocean Technology (NIOT) under the aegis of Ministry of Earth Science, Government of India is engaged in developing technologies for establishing the feasibility of extraction of gas from the marine gas hydrates. A Remotely Operated Underwater Vehicle and an Autonomous Coring System have been developed for the exploration of gas hydrates. Numerical and laboratory experiments are conducted for studying efficacy of various techniques in extraction of gas from the hydrates. Experiments at the potential gas hydrates sites have been planned in association with offshore industry for establishing the technical feasibility of extraction of gas from the marine gas hydrates.

SMS alert to farmers about weather conditions

1452. SHRI PALVAI GOVARDHAN REDDY: Will the Minister of EARTH SCIENCES be pleased to state:

(a) whether farmers get SMS alert about weather conditions, if so, the details of the same;

(b) whether it is a fact that this facility is available only to farmers who are in and around the meteorological stations; and

(c) if so, what about the farmers who are in remote areas of the country?

THE MINISTER OF EARTH SCIENCES (DR. HARSH VARDHAN): (a) Yes Sir. The Gramin Krishi Mausam Seva (GKMS) of Earth System Science Organization (ESSO)-India Meteorological Department (IMD) is rendered on twice weekly basis in collaboration with State Agricultural Universities (SAUs), Institutions of Indian Council of Agricultural Research (ICAR), IITs etc. District level weather forecast for next 5-days in respect of:

- Rainfall
- maximum temperature, minimum temperature
- wind speed, wind direction
- relative humidity and clouds
- weekly cumulative rainfall forecast
- Crop specific advisories

are provided to farmers. The GKMS of ESSO-IMD has been successful in providing the crop specific advisories to the farmers through different print/visual/Radio/IT based media including Short Message Service (SMS) and Interactive Voice Response Service (IVRS) facilitating for appropriate field level actions. Weather forecast based