

**GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA**

UNSTARRED QUESTION NO:3686
ANSWERED ON:16.12.2014
EMISSION OF METHANE FROM PADDY CROPS
Singh Deo Shri Kalikesh Narayan

Will the Minister of AGRICULTURE be pleased to state:

- (a) whether paddy crops release methane which is a Green House Gas (GHG) and if so, the details thereof;
- (b) whether the Government has estimated the share of GHG emissions from agriculture and allied practices;
- (c) if so, the details thereof; and
- (d) the manner in which the Government plans to reduce GHG emission from agriculture?

Answer

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (DR. SANJEEV KUMAR BALYAN)

- (a) Yes, Madam. Submerged paddy cultivation is one of the potential source of Green House Gas (GHG) emission releasing methane.
- (b) & (c): Yes, Madam. The share of GHG emissions from agriculture and allied sectors is about 18% of the total GHG emission in the country.
- (d) The Government through National Mission on Sustainable Agriculture (NMSA) is promoting low carbon agriculture technologies and other interventions like direct seeded rice (DSR), system of rice intensification (SRI), intermittent irrigation and mid-season drainage in rice, reduced/zero tillage, conservation agriculture practices, bio-gas compost, site- specific integrated nutrient management, use of slow release nitrogenous fertilizers, nitrification inhibitors, leaf colour chart (LCC) based nitrogen application, micro irrigation, agroforestry and altering feed composition of ruminants to reduce GHG emissions in agriculture sector.