

**Pending proposal of Government of Odisha**

\*455. SHRI RABINARAYAN MOHAPATRA : Will the Minister of HUMAN RESOURCE DEVELOPMENT be pleased to state:

(a) whether any proposal submitted by Government of Odisha is pending before the Ministry for setting up 400 new vocational junior colleges and to strengthen the 231 existing Government vocational junior colleges; and

(b) if so, whether it would be approved during the current financial year in view of the acute shortfall of skilled manpower in Odisha?

THE MINISTER OF HUMAN RESOURCE DEVELOPMENT (SHRI M.M. PALLAM RAJU) : (a) and (b) Under the Centrally Sponsored Scheme of "Vocationalisation of Higher Secondary Education" a proposal dated 08.04.2013 has been received from the Government of Odisha for introduction of vocational education in 30 new Adarsha Vidyalaya and strengthening of 231 existing Government Vocational Junior Colleges for the financial year 2013-2014. The meeting of the Project Approval Board for considering the annual work plans for 2013-14 of all States/UTs are scheduled in the first half of the current financial year.

**Impact of climate change of crop yields**

\*456. DR. K.V.P. RAMACHANDRA RAO : Will the Minister of AGRICULTURE be pleased to state:

(a) whether it is a fact that the Indian Council of Agricultural Research (ICAR) has conducted climate change impact assessment studies using the crop simulation models;

(b) if so, the details thereof; and

(c) what reduction in crop yields has been projected?

THE MINISTER OF AGRICULTURE (SHRI SHARAD PAWAR) : (a) and (b) Yes, Sir. Indian Council of Agricultural Research (ICAR) has conducted climate change impact analysis on crop yields using crop simulation models (INFOCROP and HAD CM3) incorporating future projections for 2020, 2050 and 2080.

(c) Simulation studies projected reduction in yields of irrigated rice by about 4% in 2020, 7% in 2050 and by 10% in 2080 scenarios. On the other hand, rainfed rice yields