

is thinking to make any new legislation for protection of animals as per Article 48 of the Constitution?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (DR. SANJEEV KUMAR BALYAN): (a) Yes, Sir. State Governments have laid down the basis of identifying the animals in their respective State specific policies and legislations.

(b) State Governments have their own respective State-specific policy and legislation regarding protection and slaughter of animals. As per information available with the Department 24 States and 5 Union Territories have passed legislations for preservation of animals and banning /restricting slaughter of animals and their progeny within the jurisdiction of the concerned State. There is no proposal to make any new central legislation for protection of animals, as per Article 246 of the Constitution of India, preservation and protection of animals is a matter on which State legislatures have exclusive powers to legislate. However, Government of India complements and supplements the efforts of the States to organise Animal Husbandry on modern and scientific lines as per Article 48 of the Constitution of India.

#### **Suicide by farmers**

1079. SHRI Y.S. CHOWDARY: Will the Minister of AGRICULTURE be pleased to state:

(a) the details of farmers who committed suicide due to debts during the last three years, State-wise including Andhra Pradesh;

(b) the details of debts waived off during the last three years, State-wise including Andhra Pradesh; and

(c) the steps taken/being taken by Government in this regard?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (DR. SANJEEV KUMAR BALYAN): (a) Details of farmers who committed suicide due to agrarian reasons during the last three years as reported by States/Union Territories including Andhra Pradesh is given in Statement (*See* below).

(b) Government of India has not implemented any Debt Waiver Scheme during the last three years. The details of debts waived off during last three years as reported by the State Governments of Andhra Pradesh and Telangana are as under:

(Rs. in crore)

Name of State	2011	2012	2013
Andhra Pradesh	290.80	Not Reported	Not Reported
Telangana	Nil	Nil	Nil

(c) Government has taken several measures to improve institutional credit flow to farmers which, *inter-alia*, include enhancement of agriculture credit flow targets in the union budget to ensure that adequate credit is made available to farmers by banks, provision of crop loans upto Rs.3.00 lakh @ 4% per annum to such farmers who repay their loan as per the repayment schedule fixed by the banks, extension of benefit of interest subvention scheme to small and marginal farmers having Kisan Credit Card for a further period upto six months.

Other measures taken by the Government for the benefit of farmers include enhancement in minimum support prices of agricultural commodities, increase in institutional credit flow to agriculture sector, post-harvest loan for six months to eliminate distress sale of agriculture produce by farmers, debt waiver/relief, interest subvention on crop loans, revival package for strengthening Short Term Rural Cooperative Credit Structure, etc.

#### *Statement*

*Number of suicides by farmers due to agrarian reasons as reported by State Governments*

Sl. No.	State/UT	2011	2012	2013
1	Andhra Pradesh	303	178	40
2	Arunachal Pradesh	0	0	0
3	Assam	0	0	0
4	Bihar	0	0	0
5	Chhattisgarh	1	2	0
6	Goa	0	0	0

Sl. No.	State/UT	2011	2012	2013
7	Gujarat	0	0	0
8	Haryana	0	0	0
9	Himachal Pradesh	0	0	0
10	Jammu and Kashmir	0	0	0
11	Jharkhand	0	0	0
12	Karnataka (F/Y)	107	60	9
13	Kerala*	21	17	1
14	Madhya Pradesh*	1323	NR	NR
15	Maharashtra	608	642	407
16	Manipur	0	0	0
17	Meghalaya	0	0	0
18	Mizoram	0	0	0
19	Nagaland	0	0	0
20	Odisha	0	0	0
21	Punjab	81	NR	NR
22	Rajasthan	0	0	0
23	Sikkim	0	0	0
24	Tamil Nadu	0	2	2
25	Tripura	0	0	0
26	Uttar Pradesh	0	0	1
27	Uttarakhand	0	0	0
28	West Bengal	0	0	0
TOTAL (States)		2444	901	459

Sl. No.	State/UT	2011	2012	2013
29	Andaman and Nicobar Islands	0	0	0
30	Chandigarh	0	0	0
31	Dadra and Nagar Haveli	0	0	0
32	Daman and Diu	0	0	0
33	NCT Delhi	0	0	0
34	Lakshadweep	0	0	0
35	Puducherry	0	0	0
TOTAL (UT)		0	0	0
GRAND TOTAL (All India)		2444	901	459

*Source:* Reported by States Government and UTs.

NR = Not reported \*Total number of suicides by farmers (due to various reasons)

#### **Analysis of climate change impact on crop yields**

1080. DR. K.V.P. RAMACHANDRA RAO: Will the Minister of AGRICULTURE be pleased to state:

(a) whether it is a fact that Indian Council of Agricultural Research (ICAR) has conducted climate change impact analysis on crop yields using crop simulation models incorporating future projections for 2020,2050 and 2080;

(b) if so, the details thereof; and

(c) the action proposed to be taken to meet the contingency?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (DR. SANJEEV KUMAR BALYAN): (a) and (b) Yes, Sir. The Indian Council of Agricultural Research (ICAR) has conducted climate change impact analysis on crop yields using crop simulation models incorporating future projections for 2020, 2050 and 2080. Simulation studies projected reduction in yields of irrigated rice by about 4% by 2020, 7% by 2050 and by 10% by 2080 scenarios. Rainfed rice yields in India are likely to be reduced by nearly 6% by 2020 scenario, but in 2050 and 2080 they are projected to decrease marginally (<2.5%). Similarly, climate change is projected