GOVERNMENT OF INDIA
MINISTRY OF HEALTH AND FAMILY WELFARE
DEPARTMENT OF HEALTH RESEARCH

LOK SABHA
UNSTARRED QUESTION NO. 2686
TO BE ANSWERED ON 17th MARCH, 2017

NOVEL DENGUE CONTROL METHOD

2686. SHRI B. SRIRAMULU:

Will the Minister of **HEALTH AND FAMILY WELFARE** be pleased to state:

(a) whether the Government proposes, collaborate with Australia's agencies for a project that will use bacteria to kill the disease transmitting ability of a mosquito species which afflicts thousands of people with dengue;

(b) if so, the details thereof;

(c) whether the Government has formed a task force to implement the technological breakthrough provided by Australian experts to manipulate mosquitoes and if so, the details thereof;

(d) whether the Government is considering to work out other ideas to control the spread of mosquito-borne diseases and if so, the details thereof; and

(e) the number of deaths due to Dengue and other mosquito-borne diseases and other corrective measures taken in this regard during the last three years in India, State/UT-wise?

ANSWER
THE MINISTER OF STATE IN THE MINISTRY OF HEALTH AND FAMILY WELFARE
(SMT. ANUPRIYA PATEL)

(a) to (c): A Task Force on Dengue control has been formulated and ICMR has signed a Memorandum of Agreement with Monash University, Australia under the "Eliminate Dengue Program Collaboration" on 7th February, 2017. The collaboration with Monash University proposes to develop a strategy and test the efficacy of Wolbachia–based *Ae. aegypti* (mosquito transmitting dengue) control in India. *Wolbachia* are bacteria that are naturally found in a few insects including mosquitoes. Among mosquitoes they have not been naturally found in *Ae.aegypti* and *Anopheles* species.

The mosquito strains with *Wolbachia* are considered Biological Control Agents for vector borne diseases control.

(d) to (e): The Directorate of National Vector Borne Disease Control Programme (NVBDCP) is the nodal agency for implementation of National Programme for Vector Borne Diseases (VBDs) including control and prevention of outbreaks of VBDs.

The National Institute of Virology, Pune has developed an indigenous Japanese Encephalitis (JE) vaccine JenVac in public private partnership with Bharat Biotech.

The Government of India has initiated vaccination with Chinese JE vaccine SA-14-14-2 in endemic districts of India in 2006 against Japanese Encephalitis. The number of deaths due to Dengue and other mosquito-borne diseases during the last three years in India, State/UT-wise is given at Annexure.

.**ANNEXURE**

DEATHS DUE TO DENGUE				
Sl. No.	**Affected States/UTs**	**2014**	**2015 (Prov.)**	**2016***
1	Andhra Pradesh	5	2	2
2	Arunachal Pradesh	0	1	0
3	Assam	0	1	4
4	Bihar	0	0	0
5	Chattisgarh	9	1	0
6	Goa	1	0	0
7	Gujarat	3	9	14
8	Haryana	2	13	0
9	Himachal Pradesh	0	1	0
10	J & K	0	0	0
11	Jharkhand	0	0	1
12	Karnataka	2	9	8
13	Kerala	11	25	12
14	Madhya Pradesh	13	8	12
15	Meghalaya	0	0	0
16	Maharashtra	54	23	32
17	Manipur	0	0	1
18	Mizoram	0	0	0
19	Nagaland	0	1	0
20	Orissa	9	2	11
21	Punjab	8	18	11
22	Rajasthan	7	7	16
23	Sikkim	0	0	0
24	Tamil Nadu	3	12	5
25	Tripura	0	0	0
26	Telangana	1	2	4

DEATHS DUE TO MALARIA				
Sl. No.	**Affected States/UTs**	**2014**	**2015**	**2016**
1	Andhra Pradesh	0	0	0
2	Arunachal Pradesh	9	7	0
3	Assam	11	4	5
4	Bihar	0	1	0
5	Chattisgarh	53	21	0
6	Goa	0	1	0
7	Gujarat	16	7	2
8	Haryana	1	3	0
9	Himachal Pradesh	0	0	0
10	J & K	0	0	0
11	Jharkhand	8	6	10
12	Karnataka	2	0	0
13	Kerala	6	4	1
14	Madhya Pradesh	26	24	1
15	Maharashtra	68	59	25
16	Manipur	0	0	0
17	Meghalaya	73	79	24
18	Mizoram	31	21	1
19	Nagaland	2	3	0
20	Orissa	89	80	77
21	Punjab	0	0	1
22	Rajasthan	4	3	0
23	Sikkim	0	0	0
24	Tamil Nadu	0	0	0
25	Telangana	0	4	1
26	Tripura	96	21	15

DEATHS DUE TO JAPANESE ENCHEPHALITIS				
Sl. No.	**Affected States/UTs**	**2014**	**2015**	**2016**
1	Andhra Pradesh	0	0	0
2	Arunachal Pradesh	3	2	0
3	Assam	165	135	92
4	Bihar	2	12	25
5	Delhi	0	0	0
6	Goa	0	0	0
7	Haryana	1	0	0
8	Jharkhand	2	8	5
9	Karnataka	0	1	0
10	Kerala	2	1	0
11	Maharashtra	0	0	1
12	Manipur	0	0	1
13	Meghalaya	3	8	4
14	Nagaland	0	0	0
15	Orissa	0	2	42
16	Punjab	0	0	0
17	Tamil Nadu	3	0	0
18	Telangana	0	1	0
19	Tripura	0	4	1
20	Uttar Pradesh	34	42	73
21	Uttarakhand	0	0	0
22	West Bengal	78	75	39
Total		**293**	**291**	**283**

27	Uttar Pradesh	0	9	42
28	Uttrakhand	0	1	4
29	West Bengal	4	14	34
30	A& N Island	0	0	0
31	Chandigarh	0	1	0
32	Delhi	3	60	10
33	D&N Haveli	1	0	2
34	Daman & Diu	0	0	0
35	Puduchery	1	0	2
	Total	**137**	**220**	**227**

27	Uttrakhand	0	0	0
28	Uttar Pradesh	0	0	0
29	West Bengal	66	34	59
30	A& N Island	0	0	0
31	Chandigarh	0	1	0
32	D&N Haveli	1	0	0
33	Daman & Diu	0	0	0
34	Delhi	0	0	0
35	Lakshadweep	0	0	0
36	Puduchery	0	1	0
Total		**562**	**384**	**242**

* Provisional till 31st Dec. 2016