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

**RAJYA SABHA
UNSTARRED QUESTION NO.292
TO BE ANSWERED ON 1ST DECEMBER, 2015**

USE OF GENEXPERT TB TEST MACHINES

292. SHRI A.U. SINGH DEO:

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

- (a) the number of deaths due to drug resistant tuberculosis in the last three years, State-wise;
- (b) whether Government has sanctioned and rolled-out the GeneXpert TB test machine for the detection of drug resistant TB, if so, the details thereof, if not, why not; and
- (c) whether Government has made adequate financial and storage provisions for the operation of GeneXpert machines, if so, the details thereof, if not, why not and the corrective action Government plans to undertake?

**ANSWER
THE MINISTER OF HEALTH AND FAMILY WELFARE
(SHRI JAGAT PRAKASH NADDA)**

(a) & (b): The Programmatic Management of Drug Resistant Tuberculosis (PMDT) commenced in India from 2007 and nationwide coverage was completed in March 2013. Accordingly, the drug resistant tuberculosis patients diagnosed and put on treatment has been increasing but this does not imply increasing prevalence of Drug Resistant TB. The State wise list of the number of deaths due to Drug Resistant TB in the last three years is annexed. The mortality rate has marginally declined from 23% to 22% from 2010 to 2012.

The Government of India has sanctioned the use of Cartridge Based Nucleic Acid Amplification Technique (CBNAAT) Machine for detection of Rifampicin Resistant TB. 121 such machines GeneXpert (CB NAAT) machines are currently providing diagnostic services in the country, including 30 machines at ART centers for detection of TB in people living with HIV AIDS. Additional 300 machines have been sanctioned.

(c): Yes, adequate provisions have been made for the operations of these machines.

Number of Deaths in drug resistant TB reported under RNTCP (State-wise)

State	2010	2011	2012
Andaman & Nicobar		0	2
Andhra Pradesh	17	47	169
Arunachal Pradesh		0	11
Assam		0	31
Bihar			25
Chandigarh		0	10
Chhattisgarh		0	5
Delhi	58	110	285
Goa		1	6
Gujarat	168	190	416
Haryana	16	20	34
Himachal Pradesh		13	18
Jammu & Kashmir		0	17
Jharkhand	0	7	25
Karnataka		15	19
Kerala	18	17	46
Madhya Pradesh		8	80
Maharashtra	49	102	775
Manipur		0	5
Meghalaya		0	18
Mizoram		0	6
Nagaland		0	6
Orissa	3	8	19
Puducherry		2	6
Punjab		0	49
Rajasthan	46	69	468
Sikkim		1	4
Tamil Nadu	38	38	171
Telangana	28	60	116
Tripura		1	1
Uttar Pradesh		14	28
Uttarakhand		4	19
West Bengal	42	38	139
Grand Total	483	765	3029

*Data till 31st December 2012 (as treatment outcomes of drug resistant TB patients registered under RNTCP are reported 33-36 months after initiation of treatment), Data of Lakshadweep is reported along with Kerala, whereas Data of Daman, Diu and Dadra & Nagar Haveli is reported along with Gujarat.