

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

**LOK SABHA
UNSTARRED QUESTION NO. 4716
TO BE ANSWERED ON 28TH MARCH, 2025**

PRICE OF TUBERCULOSIS TESTING KIT

4716. DR. C M RAMESH:

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

- (a) whether it is true that Indian Council of Medical Research (ICMR) Regional Centre in Assam has developed technology for Tuberculosis testing kit priced at just Rs.35 and if so, the details thereof;
- (b) the details of the efficiency compared to the existing conventional methods such as culture, microscopy, nucleic acid-based tests etc.;
- (c) the extent to which this has helped India to meet its ambitious target of eliminating TB by 2025 at a time when it account for one-fifth of global TB cases; and
- (d) the details of TB incidence and mortality rate in the country during the last ten years, year and State-wise?

ANSWER

**THE MINISTER OF STATE IN THE MINISTRY OF HEALTH AND FAMILY WELFARE
(SHRI PRATAPRAO JADHAV)**

(a) to (c): Indian Council of Medical Research (ICMR) has informed that its Regional Medical Research Centre (RMRC) in Dibrugarh has developed a diagnostic kit “Glow TB_{PCR} kit” based on CRISPR-CAS technology. The kit has received Test License from Central Drugs Standard Control Organisation (CDSCO). Meanwhile, ICMR has validated a low-cost open PCR TB diagnostic kit. Increased availability of low-cost affordable diagnostic kits will help in higher coverage of testing and hence early diagnosis of Tuberculosis (TB). This will enable in detection of additional missing cases.

(d): As per Global TB Report published by the World Health Organisation (WHO), the estimated TB incidence rate and TB mortality rate for India from 2014 to 2023 is placed as under:

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Incidence Rate (per lakh population)	243	237	225	217	208	202	195	200	199	195
Mortality Rate (per lakh population)	30	28	27	25	24	23	24	25	23	22
Data Source: Global TB Report 2024										

Further, as per the information received from Central TB Division, Department of Health and Family Welfare, the State/UT wise number of TB cases notified and reported mortality rate among the TB cases notified under NTEP for the last 10 years is placed at **Annexure-I** and **Annexure-II** respectively.

State/UTs wise number of TB cases notified in last 10 years (2015-2024)										
State/UT	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Andaman & Nicobar Islands	605	534	292	558	587	478	507	534	561	534
Andhra Pradesh	68922	74373	83118	91124	98869	64065	86832	92187	89064	83960
Arunachal Pradesh	2779	2788	3154	3419	2938	2522	2724	2863	2604	2848
Assam	39978	40851	40174	42896	48669	35261	37641	47822	51862	50456
Bihar	81731	97001	96489	10493 0	12267 1	98994	13170 3	16116 5	18697 4	20430 9
Chandigarh	3320	3413	5930	5696	7026	4294	4720	6066	6721	6960
Chhattisgarh	35339	39484	41272	43031	43718	29339	32416	38521	38924	39593
Dadra and Nagar Haveli and Daman and Diu	967	1039	1420	1346	1497	965	1013	1399	1167	1037
Delhi	59309	62706	65893	93580	10798 2	86842	10303 8	10673 1	10052 3	10534 3
Goa	1893	1966	1935	2492	2410	1660	2018	2091	2082	2079
Gujarat	109828	12666 5	14906 1	15455 1	15915 8	12056 0	14473 1	15191 2	14450 7	13795 5
Haryana	44970	47545	40751	65748	73997	62697	69083	75838	80490	86635
Himachal Pradesh	14965	14961	16451	16485	17446	13424	14492	16089	15648	15607
Jammu & Kashmir	10046	9937	10476	12895	11860	8830	10826	11804	11754	12200
Jharkhand	35985	39515	44128	48488	56632	45505	52179	57320	61717	63670
Karnataka	64684	68462	81187	83094	91703	65785	72435	80416	81862	78369
Kerala	29529	47293	22754	24557	25617	20835	21872	23388	21799	20843
Ladakh*	NA	NA	NA	NA	NA	239	291	320	320	293
Lakshadweep	40	23	46	19	15	20	12	11	6	8
Madhya Pradesh	111317	12991 5	13433 3	16014 4	18740 7	13764 8	16634 6	18629 3	18469 1	18102 6
Maharashtra	182974	19513 9	19245 8	20964 2	22734 8	15966 3	19997 6	23410 5	22766 4	23016 3
Manipur	2370	2393	2805	2927	2553	1563	1793	2554	2495	2497
Meghalaya	5568	4586	3961	4867	5528	4139	4152	4989	4908	4564
Mizoram	2139	2205	2245	2570	2944	2334	1749	2085	2273	2312
Nagaland	3504	2821	3013	4269	4794	3487	3648	4125	4287	4059
Odisha	46630	43851	71131	50303	53612	45628	52381	60372	62387	60608
Puducherry	1290	1421	1604	3489	4606	2762	3444	3835	4169	3700
Punjab	39611	39836	45313	54401	58204	46198	50142	55150	55224	59020
Rajasthan	102032	10675 6	10595 3	16016 8	17521 8	13734 3	14922 5	16952 2	16512 3	17192 1
Sikkim	1400	1539	1271	1438	1432	1326	1373	1395	1391	1313
Tamil Nadu	86729	96079	93327	10491 7	11084 5	70304	82823	93879	98251	93276
Telangana	40934	45003	39223	52330	71655	63209	60714	72941	74994	76611
Tripura	7404	2374	1693	2579	2761	2071	2543	3024	3386	3320
Uttar Pradesh	265454	29774 6	31104 1	42043 4	48638 5	36664 1	45371 2	52285 0	63287 2	68177 9
Uttarakhand	15590	15081	16760	22362	26060	20000	22789	27553	26829	29334
West Bengal	88147	89656	97297	10414 5	11066 8	79039	90487	10097 2	10272 8	99721

Data Source: Ni-kshay

* Ladakh as a union territory was constituted in 2019, reporting started separately in 2020.

State/UTs wise reported Mortality rate* among TB cases notified in last 10 years (2015-2024)										
State/UT	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Andaman & Nicobar Islands	4.8%	3.3%	4.2%	3.1%	2.3%	4.5%	3.7%	2.7%	2.8%	3.7%
Andhra Pradesh	4.7%	4.4%	4.3%	4.3%	4.0%	3.7%	4.0%	2.6%	1.6%	2.0%
Arunachal Pradesh	2.1%	2.5%	1.4%	1.8%	2.0%	2.2%	3.2%	2.7%	2.2%	2.8%
Assam	4.8%	4.6%	4.1%	3.8%	3.7%	3.9%	4.1%	4.4%	3.7%	4.1%
Bihar	3.0%	2.7%	2.3%	2.1%	2.4%	2.4%	3.4%	3.7%	3.2%	2.7%
Chandigarh	1.4%	2.3%	2.3%	3.4%	2.9%	3.3%	4.6%	3.7%	4.0%	5.0%
Chhattisgarh	4.6%	4.7%	4.8%	4.5%	3.5%	3.7%	4.7%	5.7%	5.4%	5.2%
Dadra and Nagar Haveli, Daman and Diu	3.4%	4.3%	3.3%	0.0%	3.0%	2.5%	2.3%	4.1%	2.6%	0.7%
Delhi	2.4%	2.2%	2.3%	1.8%	1.9%	2.3%	2.7%	2.8%	2.3%	3.0%
Goa	3.1%	2.9%	3.0%	3.0%	3.2%	3.2%	5.6%	9.0%	8.6%	9.2%
Gujarat	5.6%	5.7%	5.8%	6.0%	4.3%	4.5%	4.7%	5.0%	4.1%	4.4%
Haryana	4.4%	4.1%	3.7%	4.3%	3.7%	3.9%	4.2%	4.4%	3.9%	4.7%
Himachal Pradesh	3.8%	3.7%	4.0%	4.1%	4.0%	4.8%	5.4%	6.1%	5.7%	6.0%
Jammu & Kashmir	3.0%	3.1%	3.9%	2.4%	2.3%	2.6%	3.5%	3.8%	3.7%	3.6%
Jharkhand	4.2%	3.4%	2.7%	2.1%	2.4%	2.3%	3.4%	3.5%	2.6%	2.7%
Karnataka	7.3%	6.9%	6.7%	6.2%	6.2%	6.4%	7.2%	7.5%	6.7%	6.9%
Kerala	4.7%	4.1%	4.3%	4.0%	4.7%	7.2%	8.1%	8.1%	8.4%	9.8%
Ladakh**	NA	NA	NA	NA	NA	5.6%	7.8%	6.9%	4.7%	2.7%
Lakshadweep	8.1%	2.6%	2.6%	3.9%	0.0%	9.1%	0.0%	5.0%	0.0%	7.7%
Madhya Pradesh	3.8%	3.6%	3.4%	3.4%	2.8%	3.0%	3.5%	4.0%	3.5%	3.9%
Maharashtra	5.5%	5.2%	5.2%	4.4%	3.7%	4.2%	4.7%	4.3%	3.9%	4.2%
Manipur	3.8%	4.0%	3.1%	2.5%	2.5%	2.8%	3.5%	4.0%	3.3%	4.6%
Meghalaya	4.1%	4.3%	4.3%	3.2%	3.3%	3.7%	4.8%	4.6%	4.2%	5.5%
Mizoram	3.9%	4.1%	2.8%	2.1%	2.1%	1.6%	2.5%	4.3%	4.3%	6.0%
Nagaland	3.0%	2.5%	1.8%	2.0%	2.2%	2.3%	2.8%	3.1%	2.3%	2.4%
Odisha	5.4%	5.1%	4.4%	3.9%	5.2%	5.2%	5.6%	5.7%	4.4%	4.3%
Puducherry	4.4%	4.3%	4.7%	5.5%	6.0%	7.4%	6.6%	5.4%	7.7%	10.3%
Punjab	5.3%	4.7%	4.6%	4.3%	4.5%	4.9%	5.7%	5.0%	4.6%	4.8%
Rajasthan	3.4%	4.0%	4.4%	3.5%	2.7%	2.8%	3.5%	3.3%	2.7%	3.1%
Sikkim	2.6%	2.3%	3.3%	2.7%	2.4%	3.7%	4.0%	4.0%	3.5%	3.6%
Tamil Nadu	4.8%	5.2%	5.1%	4.8%	4.0%	4.9%	5.9%	6.0%	5.6%	5.7%
Telangana	4.6%	5.1%	4.3%	4.0%	3.6%	3.5%	3.1%	3.0%	2.3%	2.0%
Tripura	5.5%	6.6%	4.6%	5.2%	4.7%	5.9%	7.4%	6.1%	5.6%	6.1%
Uttar Pradesh	3.8%	4.1%	2.9%	3.4%	3.3%	3.8%	4.1%	3.6%	2.9%	3.2%
Uttarakhand	3.6%	3.6%	3.3%	3.4%	3.4%	3.6%	3.8%	3.7%	3.4%	3.9%
West Bengal	4.6%	4.9%	5.4%	4.6%	4.5%	5.0%	5.6%	5.6%	5.0%	5.6%

Data Source: Ni-kshay

**Ladakh as a union territory was constituted in 2019, reporting started separately in 2020.

*Year in column heading reflects treatment outcome of patients notified in the previous year.