

GOVERNMENT OF INDIA
MINISTRY OF HOUSING AND URBAN AFFAIRS
RAJYA SABHA
UNSTARRED QUESTION NO. 53
TO BE ANSWERED ON DECEMBER 04, 2023
RAIL-BASED URBAN TRANSPORT SYSTEMS IN THE COUNTRY

NO. 53. DR. V. SIVADASAN:

Will the Minister of HOUSING AND URBAN AFFAIRS be pleased to state:

- (a) the number, names and details of Rail-based Urban Transport Systems in the country that were conceptualized since 2014, the details thereof, State-wise, year-wise;
- (b) the number and details of the urban rail-based transport systems that are under construction, the details thereof, State-wise, year-wise;
- (c) the number and details of the urban rail-based transport systems that have started functioning, the details thereof, State-wise, year-wise; and
- (d) whether the urban rail-based transport systems are feasible and necessary in Indian cities?

ANSWER
THE MINISTER OF STATE IN THE
MINISTRY OF HOUSING AND URBAN AFFAIRS
(SHRI KAUSHAL KISHORE)

- (a) The details of rail-based urban transport systems in the country that were conceptualized and sanctioned since 2014, State-wise and year-wise, are given in Annexure I.
- (b) The details of urban rail-based transport systems that are under construction in the country, State-wise, are given in Annexure II.
- (c) The details of the urban rail-based transport systems that have started functioning/operationalized in the country since 2014, State-wise and year-wise, are given in Annexure III.
- (d) The feasibility and necessity of urban rail based system in a city is dependent upon its size, population, employment opportunities, development work, etc. Central Government considers financial assistance to urban rail based system based on feasibility of the proposal, necessity and availability of resources, as and when posed by the concerned State/UT Government in accordance with the provisions of the Metro Rail Policy, 2017.

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF THE RAJYA SABHA UNSTARRED QUESTION NO 53 FOR ANSWER ON 04.12.2023 REGARDING RAIL-BASED URBAN TRANSPORT SYSTEMS IN THE COUNTRY ASKED BY DR. V. SIVADASAN

DETAILS OF RAIL BASED URBAN TRANSPORT SYSTEMS IN THE COUNTRY THAT WERE CONCEPTUALIZED AND SANCTIONED SINCE 2014, STATE-WISE AND YEAR-WISE

Sr No.	Year of Sanction	State/UT	Name of Project	Length (in Kms)	Sanctioned Completion Cost (in Rs Cr)
1.	2014	Karnataka	Bangalore Metro Phase 2	72.095	26,405.14
2.		Maharashtra	Nagpur Metro Phase I	40.022	9,759.79
3.		Gujarat	Ahmedabad Metro Phase I	40.03	10,773.00
4.	2015	Maharashtra	Navi Mumbai Metro Line 1 (State initiative - implemented by CIDCO)	11.1	3,063.63
5.			Mumbai Metro Line 2A (Dahisar (E) – D.N. Nagar) (State Initiative)	18.6	6,410.00
6.			Mumbai Metro Line 7 (Andheri (E) – Dahisar (E)) (State Initiative)	16.5	6,208.00
7.	2016	Tamil Nadu	Chennai Metro Phase I Extension	9.051	3,770.00
8.		Uttar Pradesh	Lucknow Metro	22.878	6,928.00
9.		Maharashtra	Pune Metro Phase I	33.28	11,420.00
10.			Mumbai Metro Line 2B (D.N. Nagar - Mandale) (State Initiative)	23.6	10,986.00
11.			Mumbai Metro Line 4 (Wadala - Kasarvadavali) (State Initiative)	32.3	14,549.00
12.	2017	Delhi	Delhi Metro Extension from Najafgarh to Dhansa Bus Stand	1.188	565.00
13.			Delhi Metro Airport Line Extension from Dwarka Sector 21 to Yashobhoomi Dwarka Sector 25 (Deposit work funded by DPIIT)	2.008	942.00
14.		Uttar Pradesh	Delhi Metro Extension from KalindiKunj to Botanica Garden	3.962	997.00
15.			Noida Metro (Noida Sector 51 to Greater Noida Depot Station)	29.707	5,503.00
16.		Haryana	Delhi Metro Extension from Mujesar to Raja Nahar Singh Ballabhgarh	3.205	580.00
17.		Maharashtra	Mumbai Metro Line 5 (Thane-Bhiwandi-Kalyan) (State Initiative)	24.9	8,417.00
18.			Mumbai Metro Line 6 (Swami Samarthnagar - Vikhroli) (State Initiative)	14.5	6,716.00
19.		2018	Madhya Pradesh	Bhopal Metro	27.87
20.	Indore Metro			31.55	7,500.80
21.	Uttar Pradesh		Delhi Metro Extension from Noida City Centre to Noida Electronic City	6.675	1,967.00
22.	Maharashtra	Pune Metro Line III (Public Private Partnership Mode)	23.203	8,313.00	
23.		Mumbai Metro Line 9 & 7A (Dahisar (E) – Mira Bhayander & Andheri (E) - CSMIA) (State Initiative)	13.5	6,607.00	
24.	2019	Delhi	Delhi Metro Phase IV (03 Priority	65.202	24,948.65

			Corridors)		
25.		Bihar	Patna Metro Rail Project	32.507	13,365.77
26.		Delhi and Uttar Pradesh	Delhi-Ghaziabad-Meerut RRTS	82.15	30,274.00
27.		Uttar Pradesh	Kanpur Metro	32.385	11,076.48
28.			Agra Metro	29.4	8,379.62
29.			Delhi Metro Extension from Dilshad Garden to New Bus Adda Ghaziabad	9.41	1,781.21
30.		Gujarat	Ahmedabad Metro Phase II	28.254	5,384.17
31.			Surat Metro	40.35	12,020.32
32.		Maharashtra	Mumbai Metro Line 4A (Kasarvadavali – Gaimukh) (State Initiative)	2.7	949.00
33.			Mumbai Metro Line 10 (Gaimukh to ShivajiChowk) (State Initiative)	9.21	4,476.00
34.			Mumbai Metro Line 11 (Wada to CSMT) (State Initiative)	12.77	8,739.00
35.			Mumbai Metro Line 12 (Kalyan to Taloja) (State Initiative)	20.75	5,865.00
36.		Kerala	Kochi Metro Phase IB (State initiative)	1.2	448.33
37.		Tamil Nadu	Chennai Metro Phase II (State initiative)	118.9	63,246.40
38.	2021	Karnataka	Bangalore Metro Phase 2A & 2B	58.19	14,788.101
39.	2022	Maharashtra	Nagpur Metro Phase II	43.80	6,708.00
40.		Kerala	Kochi Metro Phase II	11.2	1,957.05
41.	2023	Haryana	Millennium City Centre Gurugram to Cyber City, Gurugram with spur to Dwarka Expressway	28.50	5,452.72
42.		Kerala	Kochi Metro Phase IA	2.0	710.92
43.		Maharashtra	Pune Metro Corridor 1A: Pimpri-Chinchwad (PCMC to Nigdi)	4.413	910.18

ANNEXURE REFERRED TO IN REPLY TO PART (b) OF THE RAJYA SABHA UNSTARRED QUESTION NO 53 FOR ANSWER ON 04.12.2023 REGARDING RAIL-BASED URBAN TRANSPORT SYSTEMS IN THE COUNTRY ASKED BY DR. V. SIVADASAN

DETAILS OF URBAN RAIL BASED TRANSPORT SYSTEMS THAT ARE UNDER CONSTRUCTION IN THE COUNTRY, STATE-WISE.

Sr No	State/UT	Name of Project	Sanctioned Completion Cost (in Rs Cr)	Total Length (in Kms)	Under Construction Length (as on 28.11.2023) (in Kms)
1.	West Bengal	Kolkata Metro East-West Corridor (Funded by M/o Railways – 74% & M/o Housing and Urban Affairs – 26%)	8,574.98	16.55	7.25
2.	Maharashtra	Mumbai Metro Line 3	23,136.00	33.5	33.5
3.	Karnataka	Bangalore Metro Phase II	26,405.14	72.095	40.585
4.		Ahmedabad Metro Phase I	10,773.00	40.03	1.43
5.	Maharashtra	Pune Metro Phase I	11,420.00	33.28	9.62
6.		Mumbai Metro Line 2B (D.N. Nagar – Mandale) (State Initiative)	10,986.00	23.6	23.6
7.		Mumbai Metro Line 4 (Wadala – Kasarvadavali) (State Initiative)	14,549.00	32.3	32.3
8.	Maharashtra	Mumbai Metro Line 5 (Thane-Bhiwandi-Kalyan) (State Initiative)	8,417.00	24.9	24.9
9.		Mumbai Metro Line 6 (Swami Samarthnagar – Vikhroli) (State Initiative)	6,716.00	14.5	14.5
10.	Madhya Pradesh	Bhopal Metro	6,941.40	27.87	27.87
11.		Indore Metro	7,500.80	31.55	31.55
12.	Maharashtra	Pune Metro Line III (Public Private Partnership Mode)	8,313.00	23.203	23.203
13.		Mumbai Metro Line 9 & 7A (Dahisar (E) – Mira Bhayander& Andheri (E) – CSMIA) (State Initiative)	6,607.00	13.5	13.5
14.	Delhi	Delhi Metro Phase IV (03 Priority Corridors)	24,948.65	65.202	65.202
15.	Delhi and Uttar Pradesh	Delhi-Ghaziabad-Meerut RRTS	30,274.00	82.15	65.15
16.	Bihar	Patna Metro	13,365.77	32.507	32.507
17.	Gujarat	Ahmedabad Metro Phase II	5,384.17	28.254	28.254
18.		Surat Metro	12,020.32	40.35	40.35
19.	Uttar Pradesh	Kanpur Metro	11,076.48	32.385	23.657
20.		Agra Metro	8,379.62	29.4	29.4
21.	Maharashtra	Mumbai Metro Line 4A (Kasarvadavali – Gaimukh) (State Initiative)	949.00	2.7	2.7
22.		Mumbai Metro Line 10 (Gaimukh to ShivajiChowk) (State Initiative)	4,476.00	9.21	9.21
23.		Mumbai Metro Line 12 (Kalyan to Taloja) (State Initiative)	5,865.00	20.75	20.75

		Initiative)			
24.	Tamil Nadu	Chennai Metro Phase II (State initiative)	63,246.40	118.9	118.9
25.	Kerala	Kochi Metro Phase IB (State initiative)	448.33	1.2	1.2
26.	Karnataka	Bangalore Metro Phase 2A & 2B	14,788.101	58.19	58.19
27.	Maharashtra	Nagpur Metro Phase II	6,708.00	43.80	43.80
28.	Kerala	Kochi Metro Phase II	1,957.05	11.2	11.2
29.	Haryana	Millennium City Centre Gurugram to Cyber City, Gurugram with Spur to Dwarka Expressway	5,452.72	28.50	28.50
30.	Maharashtra	Pune Metro Corridor 1A: Pimpri-Chinchwad (PCMC to Nigdi)	910.18	4.413	4.413

ANNEXURE REFERRED TO IN REPLY TO PART (c) OF THE RAJYA SABHA UNSTARRED QUESTION NO 53 FOR ANSWER ON 04.12.2023 REGARDING RAIL-BASED URBAN TRANSPORT SYSTEMS IN THE COUNTRY ASKED BY DR. V. SIVADASAN

DETAILS OF THE URBAN RAIL BASED TRANSPORT SYSTEMS THAT HAVE STARTED FUNCTIONING/OPERATIONALIZED IN THE COUNTRY SINCE 2014, STATE-WISE AND YEAR-WISE

Sr No.	Year	State/UT	Name of Metro Rail Corporation and Length operationalized (in Kms)
1.	2014	Delhi	Delhi Metro – 3.23
2.		Karnataka	Bangalore Metro – 10.3
3.		Maharashtra	Mumbai Metro One Private Ltd (PPP Mode) – 11.4
4.			Mumbai Monorail (State initiative) – 8.3
5.	2015	Delhi & Haryana	Delhi Metro – 19.34
6.		Karnataka	Bangalore Metro – 9
7.		Tamil Nadu	Chennai Metro – 10.21
8.		Rajasthan	Jaipur Metro (State initiative) – 9.6
9.	2016	Karnataka	Bangalore Metro – 4.8
10.		Tamil Nadu	Chennai Metro – 10.21
11.	2017	Delhi & Uttar Pradesh	Delhi Metro – 17.91
12.		Tamil Nadu	Chennai Metro – 7.36
13.		Karnataka	Bangalore Metro – 11.5
14.		Telangana	Hyderabad Metro (PPP Mode) – 30
15.		Kerala	Kochi Metro – 18.3
16.		Uttar Pradesh	Uttar Pradesh Metro (Lucknow) – 8.5
17.		Haryana	Rapid Metro, Gurugram (Private initiative – now taken over by DMRC) – 7
18.	2018	Delhi & Haryana	Delhi Metro – 96.43
19.		Tamil Nadu	Chennai Metro – 7.4
20.		Telangana	Hyderabad Metro (PPP Mode) – 16
21.	2019	Delhi & Uttar Pradesh	Delhi Metro – 20.6
22.		Tamil Nadu	Chennai Metro – 10
23.		Telangana	Hyderabad Metro (PPP Mode) – 12
24.		Kerala	Kochi Metro – 5.65
25.		Uttar Pradesh	Uttar Pradesh Metro (Lucknow) – 14.38
26.			Noida Metro – 29.7
27.		Maharashtra	Mumbai Monorail (State initiative) – 11.2
28.			Maharashtra Metro (Nagpur) – 13.5
29.		Gujarat	Gujarat Metro (Ahmedabad) – 6.5
30.	2020	West Bengal	Kolkata Metro Rail Corporation Limited – 6.97
31.		Telangana	Hyderabad Metro (PPP Mode) – 11
32.		Kerala	Kochi Metro – 1.33
33.		Rajasthan	Jaipur Metro (State initiative) – 2.4
34.		Maharashtra	Maharashtra Metro (Nagpur) – 11
35.	2021	West Bengal	Metro Railway, Kolkata (under M/o Railways) – 4.1
36.		Delhi	Delhi Metro – 2.03
37.		Karnataka	Bangalore Metro – 13.65
38.		Tamil Nadu	Chennai Metro – 9.05
39.		Maharashtra	Maharashtra Metro (Nagpur) – 1.6
40.	Uttar Pradesh	Uttar Pradesh Metro (Kanpur) – 9	
41.	2022	West Bengal	Metro Railway, Kolkata (under M/o Railways) – 6.5
42.			Kolkata Metro Rail Corporation Limited – 2.33
43.		Kerala	Kochi Metro – 2
44.		Gujarat	Gujarat Metro (Ahmedabad) – 32.07
45.		Maharashtra	Maharashtra Metro (Nagpur) – 13.72

46.			Maharashtra Metro (Pune) – 12
47.			Mumbai Metro Line 2A (State initiative) – 9.83
48.			Mumbai Metro Line 7 (State initiative) – 10.7
49.	2023 (till 28.11.2023)	Delhi	Delhi Metro – 2.01
50.		Karnataka	Bangalore Metro - 17.86
51.		Maharashtra	Maharashtra Metro (Pune) – 11.61
52.			Mumbai Metro Line 2A (State initiative) – 8.8
53.			Mumbai Metro Line 7 (State initiative) – 5.8
54.			Navi Mumbai Metro Line 1 (State initiative) – 11.1
55.		Uttar Pradesh	National Capital Region Transport Corporation (Delhi-Meerut RRTS) – 17