

GOVERNMENT OF INDIA
MINISTRY OF HOUSING AND URBAN AFFAIRS
LOK SABHA

UNSTARRED QUESTION NO. 2551
TO BE ANSWERED ON MARCH 17, 2022

METRO RAIL NETWORK

**NO. 2551. SHRI OMPRAKASH BHUPALSINH ALIAS PAWAN
RAJENIMBALKAR:
SHRI GAUTHAM SIGAMANI PON:
SHRI DHANUSH M. KUMAR:
SHRI C.N. ANNADURAI:
SHRI GAJANAN KIRTIKAR:
SHRI SELVAM G.:
SHRIMATI MANJULATA MANDAL:**

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

- (a) the total length of metro rail network in operation in the country and the criteria for setting up of metro rail network;**
- (b) the details of metro rail proposals received during each of last three years and the current year, stretch, city and State/Union Territory-wise along with the estimated cost of each stretch;**
- (c) the details of proposals cleared and lying pending State-wise along with the reasons for pendency and the time by which pending proposals are likely to be cleared;**
- (d) the funds sanctioned, released and utilized by the Government and private partners during above period for various projects, stretch, city and State/Union Territory-wise;**
- (e) the progress of various under construction and sanctioned metro rail stretches and the time by which these are likely to be completed and operationalised, stretch and city-wise; and**
- (f) the other steps taken by the Government to popularize metro network in the country?**

ANSWER

**THE MINISTER OF STATE IN THE
MINISTRY OF HOUSING AND URBAN AFFAIRS**

(SHRI KAUSHAL KISHORE)

(a) At present, about 754 kms of metro rail network is operational in the country. Urban transport, which is an integral part of urban development, is a state subject. Hence, respective State/Union Territory (UT) Governments are responsible for initiating, developing and funding urban transport infrastructure including metro rail projects. As per Metro Rail Policy, 2017, the Central Government considers financial assistance for metro rail proposals in cities or urban agglomerates based on the feasibility of the proposal and availability of resources, as and when posed by the concerned State/Union Territory (UT) Government.

(b) & (c) The details of metro rail proposals received from various State/Union Territory (UT) Governments for central financial assistance, in each of the last three years and the current year, stretch, city, State/UT-wise, along with the estimated cost and the present status, are given in Annexure I. Metro rail projects are cost intensive which require extensive Inter-Ministerial consultations and their approval depends on feasibility of projects and availability of resources. No time limit can be specified for sanction of the project.

(d) The funds allocated and released by Government of India to agencies implementing metro rail projects and the funds spent by private partners for various metro rail projects during the last three years and current year, stretch, city and State/UT-wise are given in Annexure II and II-A respectively.

(e) The progress of various sanctioned and under construction metro rail projects, stretch and city-wise, along with the expected date of completion, is given in Annexure III.

(f) Metro rail being the fast, safe, comfortable, energy efficient, and environment friendly has emerged as popular mode of public transport in urban areas. For systematic planning and implementation of metro rail systems in more comprehensive and sustainable manner, Government of India has issued Metro Rail Policy-2017 which endeavors to focus on enhancing the feasibility of metro rail projects from economic, social and environmental perspective and act as a guide to state governments for preparing comprehensive proposals for metro rail projects. The policy also enables innovative financing through Transit Oriented Development (TOD) and Value Capture Finance (VCF). Provision of necessarily including feeder systems, last mile connectivity through pedestrian pathways, Non-Motorized Transport (NMT) infrastructure, and induction of facilities for Para transit modes etc incentivize metro rail ridership.

ANNEXURE REFERRED TO IN REPLY TO PART (b) & (c) OF THE LOK SABHA QUESTION NO. 2551 FOR ANSWER ON 17.03.2022 REGARDING METRO RAIL NETWORK

DETAILS OF METRO RAIL PROPOSALS RECEIVED FROM VARIOUS STATE/UNION TERRITORY (UT) GOVERNMENTS FOR CENTRAL FINANCIAL ASSISTANCE, IN EACH OF THE LAST THREE YEARS AND THE CURRENT YEAR, STRETCH, CITY, STATE/UT-WISE, ALONG WITH THE ESTIMATED COMPLETION COST AND THE PRESENT STATUS

Sr No	FY of Receipt of Proposal	State/UT	Cities	Name of Project	Stretch (in Kms)	Estimated Completion Cost (in ₹ Cr)	Present Status
1.	2018-19	Karnataka	Bangalore	Bangalore Metro Rail Project Phase 2A & 2B	58.19	14,788.101	Approved
2.		Uttar Pradesh	Kanpur	Kanpur Metro Rail Project	32.385	11,076.48	
3.			Agra	Agra Metro Rail Project	29.40	8,379.62	
4.		Bihar	Patna	Patna Metro Rail Project	32.507	13,365.77	
5.		Gujarat	Surat	Surat Metro Rail Project	40.35	12,020.32	
6.			Ahmedabad, Gandhi Nagar	Ahmedabad Metro Rail Project Phase II	28.254	5,384.17	
7.		Delhi, Haryana	Delhi, Gurugram, Rewari	Delhi - Gurugram - SNB (Shahjahanpur-Neemrana-Behror) Urban Complex RRTS Corridor	106.5	35,216.00	The approval of Government of National Capital Territory (GNCTD) of Delhi with financial commitment has not be received yet.
8.		Kerala	Kochi	Kochi Metro Rail Project Phase II	11.20	1,957.05	The proposal is in various stages of appraisal/ approval
9.		Tamil Nadu	Chennai	Chennai Metro Rail Project Phase II	118.9	63,246	
10.		Maharashtra	Nagpur	Nagpur Metro Rail Project Phase II	43.80	6,708.00	
11.	2019-20	Delhi	Delhi	Remaining three corridors of Delhi Metro Phase-IV Projects	43.677	12,586.72	The proposal is in various stages of appraisal/ approval
12.		Maharashtra	Nashik	Nashik MetroNeo Project	33.00	2,092.22	
13.		Delhi	Delhi	MetroLite corridor between Kirti Nagar - Bamnoli village (ECC, Sector 25, Dwarka)	19.09	2672.96	Proposal returned due to pending approval of GNCTD
14.	2020-21	Uttar Pradesh	Gorakhpur	Gorakhpur MetroLite Project	15.14	2,670.37	The proposals are in various stages

15.			Noida, Greater Noida	Extension of Noida-Greater Noida Metro Rail	14.958	2,456.00	of appraisal/ approval.
16.	Kerala	Kochi	Kochi	Kochi Metro Phase 1A	2.00	710.92	
17.		Kozhikode	Kozhikode	Kozhikode Light Metro Project	13.3	2,850.00	Government of Kerala has been advised to revisit and align the proposal in accordance with standard specifications of MetroLite/MetroNeo issued by this Ministry.
18.		Thiruvananthapuram	Thiruvananthapuram	Thiruvananthapuram Light Metro Project	21.821	4,776.00	
19.	Jammu & Kashmir	Jammu	Jammu	Jammu MetroLite	23	4,069.48	The Proposals are in various stages of appraisal/ approval
20.		Srinagar	Srinagar	Srinagar MetroLite	25	4,892.51	
21.	Delhi Haryana	Delhi, Sonipat, Panipat	Delhi, Sonipat, Panipat	Delhi - Panipat RRTS Corridor	103.02	29,296.00	The approval of Government of National Capital Territory (GNCTD) with financial commitment has not been received.
22.	Haryana, Rajasthan	Shahjahanpur, Neemrana	Shahjahanpur, Neemrana	SNB Urban Complex -Sotanala RIICO Industrial Area RRTS Corridor	33.3	6,188.00	Approval of State Govt. of Rajasthan on DPR is awaited.
23.	Maharashtra	Pune	Pune	Pune Metro Phase 1A	4.413	911.12	Initially, the proposal was received in 2018-19. The proposal was returned to Govt of Maharashtra on 09.04.2021 seeking various clarifications. The revised proposal has been received in 2021-22 from Govt of Maharashtra and is under various stages of appraisal/ approval.
24.		Thane	Thane	Thane Integral Ring Metro Project	29.00	10,412.61	Initially, the proposal was received in 2018-19. Government of Maharashtra in July, 2019, was advised to explore developing MetroLite instead of High Capacity metro rail. The revised proposal has been received in 2021-22 from Govt of Maharashtra and is under various stages of appraisal/ approval.
25.	Uttarakhand	Dehradun	Dehradun	MetroNeo project in Dehradun	22.42	1852.74	The proposals are in various stages

26.		Haryana	Gurugram	Metro Rail from HUDA City Centre to Cyber City and Spur to Dwarka Expressway	28.50	5960.03	of appraisal/ approval.
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ANNEXURE REFERRED TO IN REPLY TO PART (d) OF THE LOK SABHA QUESTION NO. 2551 FOR ANSWER ON 17.03.2022 REGARDING METRO RAIL NETWORK

FUNDS ALLOCATED AND RELEASED BY GOVERNMENT OF INDIA AS EQUITY, SUBORDINATE DEBT AND PASS THROUGH ASSISTANCE TO AGENCIES IMPLEMENTING METRO RAIL PROJECTS DURING THE LAST THREE YEARS AND CURRENT YEAR, STRETCH, CITY AND STATE/UT-WISE

(₹ in crore)

State/ UT	Projects	Cities	Stretch in Approx. Kms	Funds Sanctioned/ Released by Govt. of India 2018-19	Funds Sanctioned/ Released by Govt. of India 2019-20	Funds Sanctioned/ Released by Govt. of India 2020-21	Funds Sanctioned by Govt. of India 2021-22	Funds Released in 2021-22 (till 28.02.22)
NCT of Delhi Uttar Pradesh	Delhi Metro Rail Project Phase-III & Extensions, Phase IV (3 priority corridors)	Delhi & NCR	203.8	2,864.92	2,702.18	20.00	2,254.00	2,254.00
Tamil Nadu	Chennai Metro Rail Project Phase-1 including extension	Chennai	Phase I - 45.04 Extension- 9.05 km	906.37	1,380.4	51.00	935.78	935.78
Karnataka	Bangalore Metro Rail Project Phase II, 2A & 2B	Bangalore	Phase II - 72.1 Phase 2A & 2B - 58.19	987.00	3,405.68	1,858.00	3,622.86	3,198.59
Maharashtra	Mumbai Metro Rail Project Line III	Mumbai	33.5	3,596.4	4,409.11	1,375.00	2,412.09	2,170.8
	Nagpur Metro Rail Project	Nagpur	38.215	1,807.15	1,859.03	371.85	0.00	0.00
	Pune Metro Rail Project	Pune	33.283	419.00	2,003.86	300.00	3,194.91	3,081.53
Kerala	Kochi Metro Rail Project	Kochi	25.26	58.68	0.00	0.00	0.00	0.00
Uttar Pradesh	Lucknow Metro Rail Project	Lucknow	22.88	1,873.08	0.00	0.00	0.00	0.00
	Kanpur Metro Rail Project	Kanpur	32.385	0.00	78.11	1,136.00	2,012.00	2,012.00
	Agra Metro Rail Project	Agra	29.40	0.00	57.83	216.00	1,122.00	219.00
	Noida- Greater Noida Metro Rail Project	Noida, Greater Noida	29.71	115.00	168.00	0.00	0.00	0.00
Gujarat	Ahmadabad Metro Rail Project	Ahmedabad	Phase-1- 33.53 Phase-2- 28.25	1,687.00	1,667.26	892.74	1,323.54	1,323.54
	Surat Metro Rail Project	Surat	40.35	0.00	0.00	100.00	638.93	638.93
Madhya Pradesh	Bhopal Metro Rail Project	Bhopal	27.87	0.00	146.07	0.00	527.23	482.88
	Indore Metro Rail Project	Indore	31.55	0.00	99.16	00.00	250.63	161.07
Bihar	Patna Metro Rail	Patna	32.507	0.00	50.00	163.00	49.5	49.5

	Project							
West Bengal	Metro Rail Projects being implemented by Ministry of Railways in Kolkata (including Kolkata East West Corridor)	Kolkata	97.82	1,868.36	1,640.00	1,542	2,755.53	2,755.53
NCT of Delhi and Uttar Pradesh	Regional Rapid Transit System (Delhi-Ghaziabad-Meerut)	Delhi, Ghaziabad, Meerut	82.15	100.00	824.25	2,487.40	4,472.00	3,723.00

ANNEXURE REFERRED TO IN REPLY TO PART (d) OF THE LOK SABHA QUESTION NO. 2551 FOR ANSWER ON 17.03.2022 REGARDING METRO RAIL NETWORK

FUNDS SPENT BY PRIVATE PARTNERS FOR VARIOUS METRO RAIL PROJECTS DURING THE LAST THREE YEARS AND CURRENT YEAR, STRETCH, CITY AND STATE/UT-WISE

(₹ in crore)

State/ UT	Projects	Cities	Stretch in Kms	Funds spent by Private Players 2018-19	Funds spent by Private Players 2019-20	Funds spent by Private Players 2020-21	Funds spent by Private Players 2021-22 (Till 28.02.22)
Maharashtra	Mumbai Metro Rail Project Line 3	Mumbai	33.5	107.21	82.63	75.00	0.00
	Nagpur Metro Rail Project Phase-I	Nagpur	38.215	29.73	35.68	59.46	77.30
Kerala	Kochi Metro Rail Project Phase I	Kochi	25.61	353.43	219.33	12.66	0.00
	Kochi Metro Rail Project Phase 1A		2.00	0.00	50.12	145.39	111.16
	Kochi Metro Rail Project Phase 1B		1.18	0.00	0.00	16.90	42.36
Uttar Pradesh	Noida- Greater Noida Metro Rail Project-	Noida, Greater Noida	29.71	0.00	300.00	0.00	0.00
Telangana	Hyderabad Metro Rail Project (Public Private Partnership)	Hyderabad	69.00	1,931.34	2,487.08	709.15	68.45

ANNEXURE REFERRED TO IN REPLY TO PART (e) OF THE LOK SABHA QUESTION NO. 2551 FOR ANSWER ON 17.03.2022 REGARDING METRO RAIL NETWORK

PROGRESS OF VARIOUS SANCTIONED AND UNDER CONSTRUCTION METRO RAIL PROJECTS, STRETCH AND CITY-WISE, ALONG WITH THE EXPECTED DATE OF COMPLETION

Sr No	Name of Project	Stretch in Km	Cities Covered	Physical Progress in % (As on 28.02.2022)	Targeted/ Expected Date of Completion	Remarks
1.	Delhi Metro Extension from Dwarka Sector 21 to India International Convention & Expo Centre (IICC), Dwarka	2.03	Delhi	85.00	May, 2022	Deposit Work funded by DPIIT, M/o Commerce & Industries
2.	Delhi Metro Phase IV (03 Priority Corridors)	65.2		21.50	March, 2025	50:50 Joint Venture of Government of India and State Government
3.	Patna Metro Rail Project	32.507	Patna	1.60	February, 2024	
4.	Bangalore Metro Rail Project Phase II	72.1	Bangalore	64.00	March, 2025	
5.	Bangalore Metro Rail Project Phase 2A & 2B	58.19		15.00	June, 2026	
6.	Ahmedabad Metro Rail Project Phase I	35.956	Ahmedabad, Gandhi Nagar	84.75	August, 2022	
7.	Ahmedabad Metro Rail Project Phase II	28.254		9.56	March, 2024	
8.	Surat Metro Rail Project	40.35	Surat	4.67	March, 2024	
9.	Bhopal Metro Rail Project	27.87	Bhopal	2.28	May, 2025	
10.	Indore Metro Rail Project	31.55	Indore	2.02	May, 2025	
11.	Kanpur Metro Rail Project	32.38	Kanpur	40.10	November, 2024	
12.	Agra Metro Rail Project	29.4	Agra	23.00	December, 2025	
13.	Mumbai Metro Line 3	33.5	Mumbai	86.31	December, 2023	
14.	Nagpur Metro Rail Project Phase I	38.215	Nagpur	98.2	March, 2022	
15.	Pune Metro Rail Project Phase I	33.28	Pune	70.50	March, 2023	
16.	Pune Metro Line III	23.33		2.00	January, 2025	
17.	Mumbai Metro Line 2A	18.6	Mumbai	99.2	July, 2022	State Sector Projects being implemented by Mumbai Metropolitan Region Development Authority (MMRDA)
18.	Mumbai Metro Line 2B	23.6		16.4	June, 2024	
19.	Mumbai Metro Line 4	32.3		34.8	February, 2024	
20.	Mumbai Metro Line 4A	2.7		25.60	February, 2024	
21.	Mumbai Metro Line 5	24.9		49.00	October, 2024	
22.	Mumbai Metro Line 6	14.5		45.50	February, 2024	
23.	Mumbai Metro Line 7	16.5		99.00	July, 2022	
24.	Mumbai Metro Line 9(7A)	13.72		23.9	October, 2024	
25.	Navi Mumbai Metro Line 1	11.1		76.00	December, 2022	Implemented by City and Industrial Development Corporation (CIDCO)
26.	Kochi Metro Rail Project Phase 1A	2.00	Kochi	85.60	June, 2022	Being implemented as state sector project.

27.	Kochi Metro Rail Project Phase 2	11.2		Preparatory works are in progress.	4 years from date of sanction	The proposal received from Govt of Kerala is not yet approved for central financial assistance.
28.	Chennai Metro Rail Project Phase II	118.9	Chennai	Preliminary works started.	June, 2027	Being implemented as state sector project.
29.	Kolkata Metro East-West Corridor	16.6	Kolkata	80.00	Ministry of Railway's has informed that completion of any railway project depends on various factors like quick land acquisition by State Government, forest clearance by officials of forest department, shifting of infringing utilities, statutory clearances from various authorities, geological and topographical condition of area, law and order situation in the area of the project site, number of working months in a year for particular site due to climatic conditions etc. and all these factors affect the completion time of the project. Hence, target date of completion for these projects cannot be ascertained at this stage.	Funded by M/o Railways – 74% & M/o Housing and Urban Affairs – 26%
30.	Nopara – Barasat via Bimabandar Metro Project	18		35.00		Implemented by Ministry of Railways
31.	Joka-BBD Bagh Metro Project	16.72		38.00		
32.	Baranagar-Barrackpur-Dakshineswar Metro Project	14.5		22.00		
33.	New Garia (KaviSubhash) – Biman Bandar	32		84.00		
34.	Delhi-Meerut Regional Rapid Transit System (RRTS)	82.15	Delhi, Ghaziabad, Meerut	24.80	June, 2025	Implemented by National Capital Region Transport Corporation (NCRTC)
