

GOVERNMENT OF INDIA  
MINISTRY OF HOUSING AND URBAN AFFAIRS  
LOK SABHA  
UNSTARRED QUESTION NO. 587  
TO BE ANSWERED ON JULY 19, 2017  
METRO RAIL NETWORK

No. 587:           SHRI DHANANJAY MAHADIK:  
                      SHRIMATI P.K. SREEMATHI TEACHER:  
                      SHRIMATI SUPRIYA SULE:  
                      DR. HEENA VIJAYKUMAR GAVIT:  
                      DR. J. JAYAVARDHAN:  
                      SHRI MOHITE PATIL VIJAYSINH SHANKARRAO:  
                      SHRI ALOK SANJAR:

Will the MINISTER OF HOUSING AND URBAN AFFAIRS be pleased to state:

- (a) the total kilometer of metro rail network in operation in the country, city and State-wise and the criteria for setting up of metro rail network;
- (b) the details of metro rail proposals received during each of the 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 stretch, city and 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 the 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 operationalized, stretch and city-wise; and

(f) whether the metro which is already operational in cities such as Jaipur and Gurgaon is not getting enough passengers to fill coaches and if so, the steps taken by the Government to popularize metro in these cities?

#### ANSWER

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

(RAO INDERJIT SINGH)

(a) The details of metro rail network operational in the country are given at Annexure-I. Urban Transport intertwined with urban development is a State subject. Therefore, the primary responsibility for development of urban transport infrastructure including metro rail network, lies with the State Government. The Central Government considers such urban transport projects based on feasibility and availability of resources as and when posed by the concerned State Government.

(b) & (c) The details of metro rail proposals received/ sanctioned during the last three years and the current year along with the names of stretch and the estimated cost State/UT-wise are given in Annexure-II & IIA. Sanction of metro rail projects is an ongoing process which requires extensive consultations with all stakeholders. No time limit can be specified for sanction of metro rail projects. Therefore, there is no pendency.

(d) The details of funds sanctioned / released by the Ministry of Housing and Urban Affairs and utilized by metro rail companies during the last three years and current year are given in Annexure-III.

(e) The details of progress of under construction metro rail stretches and the time by which these are likely to be completed are given in Annexure-IV.

(f) Rapid Metrorail Gurgaon Limited (RMGL), Gurugram which is implementing Rapid metro on Public Private Partnership (PPP) mode has informed that the current ridership is substantially lower than the estimated ridership. The following measures have been taken by RMGL to enhance the ridership;

- (i) Creating awareness on benefits of public transport amongst potential commuters through print/digital media, radio, hoardings, activation programmes etc.
- (ii) Integration of various other modes of transport which could also act as feeder/evacuation systems.
- (iii) Provision of adequate parking at metro stations.
- (iv) Strategic partnership with shuttle/e-rickshaw service providers for providing first and last mile connectivity.
- (v) Developing Rapid Metro as a preferred destination for various experiential programs and weekend destination for children and families.

Jaipur Metro Rail Corporation which is completely owned by the Government of Rajasthan has informed that the average ridership of first 25 months of 9.6 Kms long Jaipur Metro Phase-IA is comparable with other metro rail networks for same period of operations.

**Annexure-I**

**ANNEXURE-I REFERRED TO IN REPLY TO PART (a) OF THE LOK SABHA UNSTARRED QUESTION NO. 587 FIXED FOR ANSWER ON 19.07.2017 REGARDING METRO RAIL NETWORK ASKED BY SHRI DHANANJAY MAHADIK, SHRIMATI P.K. SREEMATHI TEACHER, SHRIMATI SUPRIYA SULE, DR. HEENA VIJAYKUMAR GAVIT, DR. J. JAYAVARDHAN, SHRI MOHITE PATIL VIJAYSINH SHANKARRAO AND SHRI ALOK SANJAR.**

**DETAILS OF THE OPEATIONAL METRO RAIL NETWORK IN THE COUNTRY**

<b>State/UT</b>	<b>Project</b>	<b>Operational Length (in Km)</b>
Delhi & NCR	Delhi Metro Rail Project	217.90
Karnataka	Bangalore Metro Rail Project	42.30
Tamil Nadu	Chennai Metro Rail Project	27.36
Kerala	Kochi Metro Rail Project	13.30
Rajasthan	Jaipur Metro Rail Project (State Government Initiative)	9.60
West Bengal	Kolkata Metro Rail Project	27.39
Haryana	Rapid Metro Gurugram (Private Initiative)	11.60
Maharashtra	Mumbai metro line-1 [PPP project of Mumbai Metropolitan Region Development Authority (MMRDA)]	11.40
	Mumbai Mono Rail Phase-I (MMRDA initiative)	9.0
TOTAL		369.85

# Annexure-II

ANNEXURE-II REFERRED TO IN REPLY TO PART (b) & (c) OF THE LOK SABHA UNSTARRED QUESTION NO. 587 FIXED FOR ANSWER ON 19.07.2017 REGARDING METRO RAIL NETWORK ASKED BY SHRI DHANANJAY MAHADIK, SHRIMATI P.K. SREEMATHI TEACHER, SHRIMATI SUPRIYA SULE, DR. HEENA VIJAYKUMAR GAVIT, DR. J. JAYAVARDHAN, SHRI MOHITE PATIL VIJAYSINH SHANKARRAO AND SHRI ALOK SANJAR.

## DETAILS OF THE PROPOSALS RECEIVED/SANCTIONED DURING THE LAST THREE YEARS AND CURRENT YEAR WITH ESTIMATED COST OF PROJECTS

State/UT from which Proposal received	Project	Stretch of the Project	Estimated/ Approved Cost (Rs in crore)	Sanctioned/ not-sanctioned
Maharashtra	Pune Metro Rail Project Phase-I	The information is attached at annexure IIA.	11,420.00	Sanctioned
Gujarat	Ahmadabad Metro Rail Project Phase-1		10,773.00	
Maharashtra	Nagpur Metro Rail Project		8,680.00	
Uttar Pradesh	Lucknow Metro Phase 1A		6,928.00	
Tamil Nadu	Extension of Chennai Metro		3,770.00	
Uttar Pradesh	Metro Connection between Noida and Greater Noida		5,503.00	
NCT of Delhi	Extension of Najafgargh –Dhansa		565.00	
Haryana	Extension from YMCA Chowk Faridabad to Ballabhgarh		580.00	
Andhra Pradesh	Vijayawada Metro Project#		6,847.00*	
Uttar Pradesh	Metro Extension from Noida City Centre to Sector 62 Noida		1,967.00*	
	Kalindi Kunj to Botanical Garden, Noida		997.00*	Sanction of Metro Rail projects is an ongoing process which requires extensive consultations with all stakeholders. No time limit can be specified for sanction of Metro Rail projects. Therefore, there is no pendency.
Kerala	Kochi Metro Project Phase-IB		2,024.00*	
	Light Metro Rail Project – Thiruvananthapuram		4,121.00*	
	Light Metro Rail Project – Kozhikode		2,446.00*	
Madhya Pradesh	Indore Metro Project		7,523.00*	
	Bhopal Metro Project		6963.00*	
Bihar	Patna Metro Project		16,960.00*	
Assam	Guwahati Metro Project		18,020.00*	
Uttar Pradesh	Kanpur Metro Project		15,709.02*	
	Varanasi Metro Project		18,125.00*	
Tamil Nadu	Chennai Metro Phase-II		85,407.00*	
Andhra Pradesh	Vishakhapatnam Metro Rail Project (PPP^ Mode)		11,114.00*	

# Accorded in-principle approval without any financial commitment from Government of India; \*Estimated cost; ^ Public Private Partnership.

**Note:-** Projects which are presently under planning/approval of respective State Governments have not been included.

**ANNEXURE-IIA REFERRED TO IN REPLY TO PART (b) & (c) OF THE LOK SABHA STARRED QUESTION NO. 587 FIXED FOR ANSWER ON 19.07.2017 REGARDING METRO RAIL NETWORK ASKED BY SHRI DHANANJAY MAHADIK, SHRIMATI P.K. SREEMATHI TEACHER, SHRIMATI SUPRIYA SULE, DR. HEENA VIJAYKUMAR GAVIT, DR. J. JAYAVARDHAN, SHRI MOHITE PATIL VIJAYSINH SHANKARRAO AND SHRI ALOK SANJAR.**

**STRETCHES OF THE METRO PROJECTS**

Pune Metro Rail Project Phase-I	(i) PCMC - Swargate (ii) Venaz - Ramwadi
Ahmadabad Metro Rail Project Phase-I	(i) North South Corridor : APMC – Motera Stadium (ii) East West Corridor : Thaltej Gam – Vastral Gam
Nagpur Metro Rail Project	(i) (North South corridor) : Automotive Square – MIHAN (ii) (East West corridor) : Prajapati Nagar – Lokmanya Nagar
Lucknow Metro Phase 1A	CCS Airport-Munsi Pulia
Extension of Chennai Metro	Washermenpet – Wimco Nagar
Metro connection between Noida and Greater Noida	Noida City Centre - Greater Noida
Extension of Najafgarh – Dhansa	Najafgarh – Dhansa
Extension from YMCA Chowk Faridabad to Ballabhgarh	YMCA Chowk Faridabad to Ballabhgarh
Vijayawada Metro Project	(i) Pandit Nehru Bus Terminal - Penamaluru (ii) Pandit Nehru Bus Terminal – Nidamanuru
Metro Extension from Noida City Centre to Sector 62 Noida	Noida City Centre - Noida Sector 62
Kalindi Kunj to Botanical Garden	Kalindi Kunj - Botanical Garden, Noida
Kochi Metro Rail Project(Phase-IB)	Jawaharlal Nehru Stadium I Info Park via Kakkanad
Kerala Light Metro Rail Project – Thiruvananthapuram	Technocity Station – Karamana Station
Kerala Light Metro Rail Project – Kozhikode	Medical College – Meenchanda
Indore Metro Project	Bengali Square via Palasia, Bhawarsala, Gandhi Nagar, Vijay Nagar, Radison, Khajrana to Bengali Square (Ring type)
Bhopal Metro Project	(i) Karond Square to AIIMS (ii) Bhadbhada Square to Ratnagiri Tiraha
Patna Metro Project	(i) East-West Corridor: Danapur – Mithapur via Patna Railway Station. (ii) North-South Corridor: Patna Railway Station – New ISBT via Gandhi Maidan, PMC, Rajendra Nagar Railway Station.
Guwahati Metro Project	(i) Danapur to Narengi (ii) Khanapara to Guwahati Railway Station. (iii) Guwahati University to Khanapara. (iv) ISBT to Paltan Bazar
Kanpur Metro Project	(i) IIT Kanpur to Naubasta. (ii) Agriculture University to Barra-8
Varanasi Metro Project	(i) BHEL to BHU. (ii) Benia Bagh to Sarnath.
Chennai Metro Phase-II	(i) Madhavaram to Siruseri (ii) Lighthouse to CMBT (iii) Madhavaram to Sholinganallur
Vishakhapatnam Metro Project	(i) Gajuwaka Junction- Kommadi Junction (ii) Gurudwara –Old Post Office (iii) Tadichetlapalem-junction – East Point

**Annexure-III**

**ANNEXURE-III REFERRED TO IN REPLY TO PART (d) OF THE LOK SABHA UNSTARRED QUESTION NO. 587 FIXED FOR ANSWER ON 19.07.2017 REGARDING METRO RAIL NETWORK ASKED BY SHRI DHANANJAY MAHADIK, SHRIMATI P.K. SREEMATHI TEACHER, SHRIMATI SUPRIYA SULE, DR. HEENA VIJAYKUMAR GAVIT, DR. J. JAYAVARDHAN, SHRI MOHITE PATIL VIJAYSINH SHANKARRAO AND SHRI ALOK SANJAR.**

**DETAILS OF FUNDS SANCTIONED AND RELEASED BY MINISTRY OF HOUSING AND URBAN AFFAIRS, GOVERNMENT OF INDIA (GoI) AND UTILISED BY METRO RAIL COMPANIES DURING THE LAST THREE YEARS AND CURRENT YEAR.**

**(RS. IN CRORE)**

STATE/UT	PROJECT	FUNDS SANCTIONED** DURING THE LAST THREE YEARS (2014-2017)	FUNDS RELEASED** AND UTILISED DURING THE LAST THREE YEARS (2014-2017)	FUNDS SANCTIONED** IN THE CURRENT YEAR (2017-18)	AMOUNT RELEASED** AND UTILIZED IN THE CURRENT YEAR (up to 30.06.2017)
NCT of Delhi	Delhi Metro Phase II & III	16108.38	16108.38	17960.00	1900.00
NCT of Delhi and Haryana	Extension of Delhi Metro to YMCA Chowk, Faridabad				
NCT of Delhi	Dwarka to Najafgarh				
	Yamuna Vihar to Shiv Vihar				
	Mundka to Bahadurgarh				
Maharashtra	Mumbai Metro Line 3	2158.39	1282.56		1155.00
	Pune Metro Rail project	10.03	10.00		0.00
West Bengal	Kolkata East-West Metro Corridor #	0.06	0.00		0.00
Karnataka	Bangalore Metro Rail Project Phase 1 & 2	3284.83	3284.83		44.01
Kerala	Kochi Metro Rail Ltd.	1834.95	1818.95		65.91
Tamil Nadu	Chennai Metro Phase-1	4365.41	4365.40		400.00
Rajasthan	Jaipur Metro Project Phase-1 (State owned)	0.07	0.00		0.00
Gujarat	Ahmadabad Metro Rail Project Phase-1	907.27	907.26		100.00
Maharashtra	Nagpur Metro Rail Project	688.47	687.97		540.00
Uttar Pradesh	Lucknow Metro Project	1295.92	1280.92		446.00

**\*\* Includes Equity, Subordinate Debt and Pass Through Assistance; # Project transferred to Ministry of Railways.**

**Annexure-IV**

**ANNEXURE-IV REFERRED TO IN REPLY TO PART (e) OF THE LOK SABHA STARRED QUESTION NO. 587 FIXED FOR ANSWER ON 19.07.2017 REGARDING METRO RAIL NETWORK ASKED BY SHRI DHANANJAY MAHADIK, SHRIMATI P.K. SREEMATHI TEACHER, SHRIMATI SUPRIYA SULE, DR. HEENA VIJAYKUMAR GAVIT, DR. J. JAYAVARDHAN, SHRI MOHITE PATIL VIJAYSINH SHANKARRAO AND SHRI ALOK SANJAR.**

**DETAILS OF PROGRESS OF UNDER CONSTRUCTION AND SANCTIONED METRO PROJECTS BEING IMPLEMENTED ON 50:50 JOINT VENTURE OF GOVT. OF INDIA AND STATE /UT GOVERNMENT AND LIKELY DATE OF COMPLETION OF METRO PROJECTS.**

STATE/UT	PROJECT	EXPECTED/APPROVED COMPLETION DATE	PHYSICAL PROGRESS (As on 30.06.2017)
NCT of Delhi	Delhi Metro Phase- III & Extension	Expected date of completion- December- 2017(in stretches)	85.70%
NCT of Delhi and Haryana	Extension of Delhi Metro to YMCA Chowk, Faridabad		
NCT of Delhi	Dwarka to Najafgarh		
	Yamuna Vihar to Shiv Vihar		
	Mundka to Bahadurgarh		
	Extension of Najafgarh-Dhansa	December- 2020	
NCT of Delhi and Haryana	Extension from YMCA Chowk Faridabad to Ballabhgarh	December-2018	75%
Maharashtra	Mumbai Metro Line 3	December-2020	8%
	Pune Metro Rail Project Phase-I	December-2021	3%
	Nagpur Metro Rail Project	March-2018	41.78%
Karnataka	Bangalore Metro Rail Project Phase- II	March-2021	8.57%
Kerala	Kochi Metro Rail Project	June-2019	80.85%
Tamil Nadu	Chennai Metro Phase-1	Expected date of completion- December- 2017	90.5%
	Chennai Extension Metro Rail Project	March-2018	2%
Gujarat	Ahmadabad Metro Rail Project Phase-1	March-2018	17.6%
Uttar Pradesh	Lucknow Metro Rail Project	March-2019	47.96%
	Noida - Greater Noida	April-2018	70%



