

Project Implementation Monitoring Report (#11)

Reporting Period From 2024/05 To 2024/10

India : Bangalore Metro Rail Project - Line R6

1. Project Information

Project ID:	P000038	Instrument ID:	L0038A
Member:	India	Region:	Southern Asia
Sector:	Transport	Sub-sector:	Urban transport
Instrument type:	<input checked="" type="checkbox"/> Loan:335.00 US Dollar million <input type="checkbox"/> Guarantee	Lead Co-financier (s):	European Investment Bank
ES category:	A	Borrowing Entity:	Ministry of Finance, India
Implementing Entity:	Bangalore Metro Rail Corporation Limited		
Project Team Leader:	Pilar Lopez Camacho		
Responsible DG:	Rajat Misra		
Responsible Department:	PSC1		
Project Team Members:	Susrutha Goonasekera, SFD - Environment & Social Development Specialist; Chitambala Sikazwe, SFD - Procurement Specialist; Yogesh Malla, SFD - Financial Management Specialist; Andres Pizarro, Team Member; Pilar Lopez Camacho, Team Member; Kezia Paladina, Project Counsel; Christopher Damandl, Alternate Counsel; Chang Tian, Project admin		
Completed Site Visits by AIIB:	Oct, 2019 Implementation support mission by AIIB task team. Feb, 2021 Semi-annual monitoring visit/mission during February 22-24, 2021 by AIIB-hired local consultant Aug, 2021 Virtual meeting with BMRCL to discuss the issue related to the demolished school of deaf and dumb students. Feb, 2022 Joint project review meeting with EIB and BMRCL. Mar, 2022 Special virtual meeting to discuss the resolution of TTCD student issue. Jun, 2022 Field mission by AIIB's E&S Specialist and AIIB-hired local consultant Oct, 2022 Semi-annual virtual mission joint with EIB Oct, 2023 Physical Implementation Supervision Mission in October Feb, 2024 1-day visit to BMRCL in February 26, 2024.		
Planned Site Visits by AIIB:	Physical Implementation support mission planned in Q4 2024		
Current Red Flags Assigned:	0		
Current Monitoring Regime:	Regular Monitoring		
Previous Red Flags Assigned:	0		

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Previous Red Flags Assigned Date:	2024/04
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2. Project Summary and Objectives

The objective of the project is to provide efficient and high-capacity north-south connectivity through the center of Bangalore by expanding the city's metro system.

The proposed activities include: (i) Construction of 7.5 km of elevated viaduct and six elevated stations; (ii) Construction of 14.5 km of underground tunnels and twelve underground stations; (iii) Construction of a depot; and (iv) Installation of a tunnel ventilation and environment control system. The primary beneficiaries will be commuters, who will experience faster and safer travel along the corridor. Secondary beneficiaries include residents and commercial establishments along the corridor, who are expected to benefit from reduced vehicle emissions, noise, and traffic accidents and increased business activities.

The Project is estimated to cost USD 1,785 million, co-financed by AIIB and the EIB. The financing plan comprises (i) a sovereign-backed loan of USD 335 million from AIIB, (ii) a sovereign-backed loan of €500 million from the EIB, (iii) USD 255 million from the Government of India, and (iv) USD 612 million from the Government of Karnataka.

3. Key Dates

Approval:	Dec. 08, 2017	Signing:	Jun. 04, 2019
Effective:	Sep. 02, 2019	Restructured (if any):	
Orig. Closing:	Jun. 30, 2024	Rev. Closing (if any):	Dec. 31, 2024

4. Disbursement Summary (USD million)

Contract Awarded:	1,016.00	Cancellation (if any):	0.00
Disbursed:	290.18	Latest disbursement (amount/date):	22.70/Aug. 08, 2024
Undisbursed:	44.82	Disbursement Ratio (%) ¹ :	86.62

5. Project Implementation Update

Overall project implementation continues to progress smoothly, with civil works progressing substantially and the aggregate physical progress reaching 80% by the end of August 2024, a 4 point increase since February 2024. Nevertheless, given that the project has experienced several delays during the first years of implementation, the loan closing date has been extended from June 30, 2024, to December 31, 2024. Completion of civil works for the priority section of Line R6 (about 8 km) is expected to be completed by March 2025, and the operation of the priority section is expected to start before the end of 2025. The civil works on the balance section of Line R6 are expected to be completed by December 2025, which will be opened to the public in 2026

Components	Physical Progress	Environmental & Social Compliance	Procurement
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¹ Disbursement Ratio is defined as the volume (e.g. the dollar amount) of total disbursed amount as a percentage of the net committed volume.

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Component 1: Construction of Elevated Viaduct & Stations	At the end of August 2024, the physical progress of the construction of the elevated section is 89% (progress of about +12 points between February and August 2024). The civil works of the elevated viaduct are expected to be completed in 2024, the elevated stations are expected to be completed Q1 2025.	The main Resettlement Action Plan (RAP) and a supplementary RAP for the Lakkasandra Casting Yard have been approved and disclosed to the public. Per the request of EIB, Bangalore Metro Rail Corporation (BMRCL) prepared the Tree Removal Management Plan, which has been disclosed on BMRCL's website. An Official Memorandum (OM), along with details of translocations of compensatory tree plantation, was submitted to the High Court to receive court permission to implement the orders. High Court of Karnataka has permitted for all the Official Memorandum in June and July 2022. A court order for tree cutting was received on 20/07/2022.	The original contract was terminated in January 2021. Contract of the balance work was signed and construction resumed in August 2021.
Component 2: Construction of Underground Section Tunnel & Stations	At the end of August 2024, the overall physical progress of Component 2 is at 84% (progress of about 3 points between February and August 2024). The physical progress for Component 2 was a weighted average of progress of the four contracts by actual amount. Since last PIMR, tunnelling for underground package 1, 2 and 3 has been completed while tunneling for package 4 is in progress.	Same as Component 1.	Completed
Component 3: Depot	At the end of August 2024, the physical progress on the construction of the depot was at 62% (progress of +7 points between February and August 2024).	Same as component 1	Completed
Component 4: Tunnel Ventilation System & Environmental Control system	The overall progress of the two packages under component 4 is 12.5% (progress of +7 points between February and August 2024). The progress of Tunnel Ventilation System &	N/A	Completed.

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	<p>Environmental Control system-01 is 15% and the progress of -02 is 10%. The works are expected to be completed by 2025.</p>		
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Financial Management:

Since the last PIMR in April 2024, one disbursement has been processed for an amount of USD22.7 m, bringing the disbursement ratio to 86.6%. The balance loan amount to be disbursed is USD45 m.

6. Status of the Grievance Redress Mechanism (GRM)

BMRCL has established a Grievance Redress Committee under the chairmanship of the Director, (Project & Planning) and consists of the Executive Director (Civil -1), Chief Public Relation Officer, General Manager (Finance), Chief Engineer (Planning and Design) and General Manager (Land Acquisition & Environment). Most of the grievances received are resolved at the level of General Manager (land acquisition) and Director (Projects and Planning). Property ownership issues are addressed by Karnataka Industrial Area Development Board, Competent Authority. Grievances received at the Corporate Office are sorted according to the subject matter. They are directed from the Managing Directors' office to the Land office.

Grievance redress is carried out at two levels: namely first level and the appellate level. Grievances of affected persons are first brought to the attention of BMRCL, land acquisition office. The aggrieved person can approach the Grievance Redress Committee (GRC). In case of non- resolution of the issues raised, the affected person also has the option of a judicial review/intervention by the courts.

Between January and June 2024, the GRM received 21 complaints and all are resolved. The complaints were mainly related to land acquisition.

7. Results Monitoring (please refer to the full RMF, which can be found on the last page of this PIMR)

As the project has experienced several delays during the first years of implementation, BMRCL and AIIB agreed on the update of the Results Monitoring Framework to make it consistency with the revised commissioning date. Following the extension of the Loan Closing Date and the update of the operation start of the Line R6, BMRCL and AIIB team are revising the Results Monitoring Framework and will be updated in the next PIMR.

Remarks:

Project Objective Indicators	Indicator level	Unit of Measure	Cumulative Target Values																				Frequency	Responsibility	Comments	
			Baseline		2017		2018		2019		2020		2021		2022		2023		2024		End Target					
			Year	Value	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Year	Target				Actual
No. of passengers carried	Project	People million	2022	0											0.3	0	0.315		0.331		2024	0.331		Annual	BMRCL	
Average trip length	Project	km	2022	0											10	0	10		10		2024	10		Annual	BMRCL	
Employment generation during operation	Project	People	2017	0											450 - 620	0	450 - 620		450 - 620		2024	450 - 620		Annual	BMRCL	

Project Intermediate Indicators	Indicator level	Unit of Measure	Cumulative Target Values											Frequency	Responsibility	Comments
			Baseline		2021		2022		2023		End Target					
			Year	Value	Target	Actual	Target	Actual	Target	Actual	Year	Target	Actual			
Construction of metro line	Project	km	2021	0	5		9		8	8	2023	22	18.5	Semi-annually	BMRCL	
Construction of a depot	Project	Number	2021	0	0	0	0		1	0	2023	1	0	Semi-annually	BMRCL	
Installation of TVS and ECS	Project	Number	2021	0	0	0	2		10	4	2023	10		Semi-annually	BMRCL	

Program Objective Indicators Title

Intermediate Result Indicators mpp