

# Railway Improvement and Safety for Egypt Project (P175137)

MIDDLE EAST AND NORTH AFRICA | Egypt, Arab Republic of | Transport Global Practice | IBRD/IDA | Investment Project Financing | FY 2021 | Seq No: 2 | ARCHIVED on 27-Dec-2021 | ISR49313 |

Implementing Agencies: EGYPTIAN NATIONAL RAILWAYS, Ministry of Transport, Arab Republic of Egypt

### **Key Dates**

#### **Key Project Dates**

Bank Approval Date: 05-Mar-2021	Effectiveness Date: 25-Aug-2021
Planned Mid Term Review Date: 21-May-2024	Actual Mid-Term Review Date:
Original Closing Date: 30-Sep-2027	Revised Closing Date: 30-Sep-2027

#### Project Development Objectives

Project Development Objective (from Project Appraisal Document)

To improve safety and service quality of the railway services along the Alexandria-Cairo-Nag Hammadi corridor.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

#### **Components** Table

Name

No

Safe System Signaling Modernization:(Cost \$602.00 M) Safe System Asset Management Improvement:(Cost \$54.00 M) Project Delivery, Institutional and Human Resource Development:(Cost \$24.00 M)

# **Overall Ratings**

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	Satisfactory	Satisfactory
Overall Implementation Progress (IP)	Satisfactory	Satisfactory
Overall Risk Rating	Substantial	Substantial

#### Implementation Status and Key Decisions

The P175137 Railway Improvement and Safety for Egypt Project (RISE) was approved on March 5, 2021 and became effective on August 25, 2021. It is still too early a stage to report on progress towards reaching the project development objectives.



#### Risks

# Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	Moderate	Moderate	Moderate
Macroeconomic	Moderate	Moderate	Moderate
Sector Strategies and Policies	Substantial	Substantial	Substantial
Technical Design of Project or Program	Moderate	Moderate	Moderate
Institutional Capacity for Implementation and Sustainability	Substantial	Substantial	Substantial
Fiduciary	Substantial	Substantial	Substantial
Environment and Social	Substantial	Substantial	Substantial
Stakeholders	Moderate	Moderate	Moderate
Other	Moderate	Moderate	Moderate
Overall	Substantial	Substantial	Substantial

# Results

# PDO Indicators by Objectives / Outcomes

To improve safety on th				
►1. Railway Accident	Risk (Number, Custom)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.56	0.56	0.56	0.44
Date	31-Dec-2020	17-May-2021	31-Oct-2021	31-Mar-2027
Comments:	passenger kilomete Hammadi corridor. I using this indicator Union (EU) standar times the number of from ENR and comp and (b) 1% of fatalit composite hybrid fo the baseline indicat by type of collisions fixed structure (buff and (c) train collidin	uce from 0.562 to 0.440 the Fat rs (km). By reducing risk, the pr FWSI is the way modern railwa is to align the ENR with good in d. This standard EU definition is f serious injuries divided by billi prises: (a) data on fatalities and ies and serious injuries where of rmulation to enable the ENR to or by 4% per annum over the p that can lead to fatalities and s er or end block); (b) train collidi g with a road vehicle, typically of this disaggregation seeks to en ove its safety levels.	roject improves safety in the ys measure the railway acc international practice as show s calculated by adding the r on passenger-kms. The bas d serious injuries where ENF other factors have been invo work toward the EU standa roject duration. This indicate serious injuries: (a) train coll ng with a pedestrian, typicate reported not as a standard of	e Alexandria to Nag ident risk. The rational for wcased by the European number of fatalities to 0.1 seline is based on 2019 da R's procedures have failed; olved. This indicator is a ard. The target is to reduce or has three sub-indicators liding with another train or illy reported as "hit by train; rail collision but as "collision



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.45	0.45	0.45	0.35
Date	31-Dec-2020	17-May-2021	31-Oct-2021	31-Mar-2027
1.2 FWSI per bill	lion passenger km caused by trair	n colliding with a pedestrian (Nu	mber, Custom Breakdown)	
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.08	0.08	0.08	0.06
Date	31-Dec-2020	17-May-2021	31-Oct-2021	31-Mar-2027
□1.3 FWSI per bill	lion passenger km caused by trair	n colliding with a road vehicle (N	lumber, Custom Breakdown	)
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.04	0.04	0.04	0.03
Date	31-Dec-2020	17-May-2021	31-Oct-2021	31-Mar-2027
alue	0.30	0.30	0.30	0.24
	ealth & Safety Risk for ENR empl	oyees along the Alexandria - Na	ag Hammadi ine (Number, G	Sustom)
alue	0.30	0.30	0.30	0.24
ate	31-Dec-2020	17-May-2021	31-Oct-2021	31-Mar-2027
	The Project will rec hours worked in th health and Safety indicator also refle standard industry g at work (1 hour and align the ENR with indicator is normali 47,000 employees	17-May-2021 Juce the Lost Time Injury Freque e Alexandria – Nag Hammadi li (H&S) risk. By reducing risk to E cts the holistic and systemic vie good practice and it is the numb d above) due to an injury sustai international good practice as s zed per 100,000 hours worked. working 1600 hours per year (e her refinement to this data may	ency Rate (LTIFR) from 0.3 ne. The LTIFR is the way me ENR employees, the project w of safety embedded in the er of incidents where a work ned at work. The rational for showcased by the European The calculation for the base excludes public holidays, reli	03 to 0.237 per 100,000 odern railways measure th improves safety. This project. The LTIFR is a ker/employee has lost time using this indicator is to Union (EU) standard. The eline assumes the ENR's gious festivals, weekends
omments:	The Project will red hours worked in th health and Safety of indicator also refle- standard industry of at work (1 hour and align the ENR with indicator is normali 47,000 employees annual leave). Furt working hours.	luce the Lost Time Injury Freque e Alexandria – Nag Hammadi li (H&S) risk. By reducing risk to E cts the holistic and systemic vie good practice and it is the numb d above) due to an injury sustai international good practice as s zed per 100,000 hours worked. working 1600 hours per year (e her refinement to this data may	ency Rate (LTIFR) from 0.3 ne. The LTIFR is the way me ENR employees, the project w of safety embedded in the er of incidents where a work ned at work. The rational for showcased by the European The calculation for the base excludes public holidays, reli	03 to 0.237 per 100,000 odern railways measure th improves safety. This project. The LTIFR is a ker/employee has lost time using this indicator is to Union (EU) standard. The eline assumes the ENR's gious festivals, weekends
omments:	The Project will red hours worked in th health and Safety of indicator also refle- standard industry of at work (1 hour and align the ENR with indicator is normali 47,000 employees annual leave). Furt working hours.	luce the Lost Time Injury Freque e Alexandria – Nag Hammadi li (H&S) risk. By reducing risk to E cts the holistic and systemic vie good practice and it is the numb d above) due to an injury sustai international good practice as s zed per 100,000 hours worked. working 1600 hours per year (e her refinement to this data may	ency Rate (LTIFR) from 0.3 ne. The LTIFR is the way m ENR employees, the project w of safety embedded in the er of incidents where a work ned at work. The rational for showcased by the European The calculation for the base excludes public holidays, reli be available at a later date.	03 to 0.237 per 100,000 odern railways measure the improves safety. This a project. The LTIFR is a cer/employee has lost time to using this indicator is to Union (EU) standard. The eline assumes the ENR's gious festivals, weekends, This is a total of 75,200,0
omments: improve rail servio 3. Train Punctuali	The Project will red hours worked in th health and Safety of indicator also refle- standard industry of at work (1 hour and align the ENR with indicator is normali 47,000 employees annual leave). Furt working hours.	luce the Lost Time Injury Freque e Alexandria – Nag Hammadi li (H&S) risk. By reducing risk to E cts the holistic and systemic vie good practice and it is the numb d above) due to an injury sustai international good practice as s zed per 100,000 hours worked. working 1600 hours per year (e her refinement to this data may	ency Rate (LTIFR) from 0.3 ne. The LTIFR is the way me ENR employees, the project w of safety embedded in the er of incidents where a work ned at work. The rational for showcased by the European The calculation for the base excludes public holidays, reli	D3 to 0.237 per 100,000 odern railways measure the improves safety. This a project. The LTIFR is a ker/employee has lost time to using this indicator is to Union (EU) standard. The eline assumes the ENR's gious festivals, weekends
omments: improve rail servio	The Project will rec hours worked in th health and Safety ( indicator also refle- standard industry ( at work (1 hour and align the ENR with indicator is normali 47,000 employees annual leave). Furt working hours.	Actual (Previous)	ency Rate (LTIFR) from 0.3 ne. The LTIFR is the way me ENR employees, the project w of safety embedded in the er of incidents where a work ned at work. The rational for showcased by the European The calculation for the base excludes public holidays, reli be available at a later date.	D3 to 0.237 per 100,000 odern railways measure the improves safety. This a project. The LTIFR is a ser/employee has lost time using this indicator is to Union (EU) standard. The eline assumes the ENR's gious festivals, weekends This is a total of 75,200,0



comparison over time can be made. For network reliability, train punctuality will be used as a proxy pending more accurate data from the ENR. Train punctuality is therefore the arrival within a certain number of minutes of planned arrival time of the train to the terminal station, 15 minutes for long-distance (PLD) trains and 10 minutes for short-distance (PSD) trains, as indicated by the ENR. The upgraded signaling will improve schedule recovery time also. During the implementation of the modernization of signaling system (first 4-5 years of the project), the timetable will need to be adapted to accommodate the execution of works in parallel with the train circulation. The works will impose speed restrictions and extended duration of travel from origin to destination station. The updated timetable issued for the periods of works on each railway line will be used as reference for an accurate calculation of the punctuality of trains. The ENR will also measure the time of delay over the timetable excluding any effect of the signaling and track upgrade works. They will do this by calculating the difference in time between a hypothetical unaffected train compared to the actual delay incurred by the works.

#### 3.1 Train Punctuality Passenger Long Distance Cairo Alexandria and Cairo - Nag Hammadi (Percentage, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	75.00	75.00	75.00	90.00

#### □ 3.2 Train Punctuality Passenger Short Distance Cairo Alexandria and Cairo - Nag Hammadi. (Percentage, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	75.00	75.00	75.00	90.00

#### ▶4. User Satisfaction with ENR passenger services (Percentage, Custom)

Date	31-Dec-2020	17-May-2021	31-Oct-2021	31-Mar-2027
Value	00.00	00.00	00.00	00.00
Value	60.00	60.00	60.00	80.00
	Baseline	Actual (Previous)	Actual (Current)	End Target

This indicator has two parts. The first part measures user satisfaction with railway service on the intervened corridor and therefore is related to the improving quality of service part of the development objective. The ENR carries out periodic surveys that ask users to rate attributes such as air conditioning. cleanliness, ticket availability, customer service and staff, train time, and service level. In other surveys the ENR asks about delay in train arrival, overall trip evaluation, and staff attitude. The project has direct influence on train time or late arrival (punctuality) and on service level or trip quality. These two categories -train time, delay in arrival; and service level, overall trip evaluation- are the main attributes to examine for rating purposes with equal weight. The survey will use a 5-point Likert scale (1: highly unsatisfied; 2: moderately unsatisfied; 3: neutral; 4: moderately satisfied; 5: very satisfied), asking whether the user is satisfied with each of the attributes measured. Those who answer 4 or 5 would be counted as "satisfied." The project will improve the rating for 60% to 80% for these two attributes. Survey must report the respondents' gender. For overall quality assessment including gender considerations, evaluators will also examine the ratings in cleanliness, ticket availability, and customer service and staff. Trends in the ratings are particularly important to analyze changes. Hence reporting is yearly for this part. ENR will publish the results of the analysis of the surveys and indicate next steps to improve quality where needed. The second part of the indicator measures user perception with the guality of improvements at stations (component 2) and will designed with Bank support prior to commencement of works in this component to establish the baseline. This survey will be repeated at Mid-Term Review and at closing. This survey will also use a 5-point Likert scale (1: highly unsatisfied; 2: moderately unsatisfied; 3: neutral; 4: moderately satisfied; 5: very satisfied) in the guestionnaire, asking whether the user is satisfied with attributes the project intervenes at stations. Those who answer 4 or 5 would be counted as "satisfied." The target value for this indicator is specified in the range of 90 percent of passengers responding to a 4 or 5 to the survey on satisfaction of project's activities of the pilot stations. Survey must report the respondents' gender. These surveys must also capture stakeholder engagement and their satisfaction with the works at stations financed by the project. During implementation, the ENR will also publish the results of the analysis of these surveys at baseline. MTR, and project closing. The ENR will indicate next steps to improve implementation of this component and quality of works.

Comments:



□4.1 User satisfac	tion female users of ENR services	(Percentage, Custom Supplem	nent)	
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	60.00	60.00	60.00	80.00
► 5. Performance-base	ased funding for ENR (Yes/No, Cu	stom, PBC)		
	Baseline	Actual (Previous)	Actual (Current)	End Target
/alue	No	No	No	Yes
Date	16-Dec-2020	17-May-2021	31-Oct-2021	31-Mar-2027
Comments:	the adoption of Pub implementation of the the Ministry of Final indicator will be ach meet the intended so Performance-Based	note a major reform to improve lic Sector Obligations (PSO) ar ne PSO and MAIC mean that th nce pays contributions (subsidie ieved when the ENR and the M scope and KPIs. The achievement of Condition was met. See pleas for more details. Annex 1 of the	nd Multi-Annual Infrastructur ne ENR receives performan es) to ENR with no linkage 10T and/or the MoF sign PS ent of this outcome indicato re section "Verification Proto	re MÁI Contracts. The ce-based funding. Currently to performance. This SO and MAI contracts that r means that the pool Table: Performance-

# Intermediate Results Indicators by Components

1. Safe System Signalin	g Modernization				
► Functioning GRM for project related complaints (Number, Custom)					
	Baseline	Actual (Previous)	Actual (Current)	End Target	
Value	0.00	0.00	0.00	0.00	
Date	31-Dec-2020	17-May-2021	31-Oct-2021	30-Jun-2021	
Comments: issue. The indicator reports the grievances not solved after three months to track deficiencies in the GRM The indicator also tracks the number of grievances received. The indicator also tracks the number of grievances received. The baseline and target are zero to reflect that zero grievances should be outstanding after three months. A positive number will indicate the GRM needs improvement. This indicator will also measure that a self-assessment of ENR grievance mechanism against the guiding principles of the grievance mechanism as per ESS10 has been conducted and based on the assessment and with support from the World Bank, that the ENR has developed an Action Plan that addresses the root causes of the grievance to prevent repetition.					
► Signaling towers commissioned in Alexandria – Cairo – Nag Hammadi (Number, Custom)					
	Baseline	Actual (Previous)	Actual (Current)	End Target	
Value	21.00	25.00	28.00	70.00	
Date	31-Dec-2020	17-May-2021	31-Oct-2021	30-Dec-2026	
Comments:		rs to the technological building tations and the tracks between			



Commissioning refers to putting into operation the modernized signaling and ancillary equipment such as cables, computers, software, point machines, signals, power supply, telecommunication equipment, rehabilitated track and turnouts in all stations and along the entire lengths of track controlled by the respective signaling tower, and so on. The four segments rolled over from the ENRRP have 51 signaling towers and the Cairo – Beni Suef segment has 19. In the Monitoring Plan the indicator is disaggregated by segment.

### Centralized Traffic Control Centers (CTC) commissioned in Alexandria-Cairo-Nag Hammadi (Number, Custom)

Value0.000.000.004.00Date31-Dec-202017-May-202131-Oct-202130-Dec-2026The Centralized Traffic Control (CTC) represents a centralized office that controls remotely all railways interlockings and the entire traffic flows along a part of the railway network (usually a railway section of 100-250 km). All signaling towers installed along the respective railway section are connected to the CTC and are subordinated signaling towers are interconnected and operational according to the project specifications. There are five CTCs in the entire alignment, four belong to the rolled over segments from the ENRRP, and one for the Cairo-Beni Suef segment. Indicator is disaggregated accordingly.		Baseline	Actual (Previous)	Actual (Current)	End Target	
Comments: The Centralized Traffic Control (CTC) represents a centralized office that controls remotely all railways section of 100-250 km). All signaling towers installed along the respective railway section are connected to the CTC and are subordinated to it for traffic management purposes. Commissioning of the CTC means the CTC and all subordinated signaling towers are interconnected and operational according to the project specifications. There are five CTCs in the entire alignment, four belong to the rolled over segments from	Value	0.00	0.00	0.00	4.00	
interlockings and the entire traffic flows along a part of the railway network (usually a railway section of 100-250 km). All signaling towers installed along the respective railway section are connected to the CTC and are subordinated to it for traffic management purposes. Commissioning of the CTC means the CTC and all subordinated signaling towers are interconnected and operational according to the project specifications. There are five CTCs in the entire alignment, four belong to the rolled over segments from	Date	31-Dec-2020	17-May-2021	31-Oct-2021	30-Dec-2026	
	Comments:	The Centralized Traffic Control (CTC) represents a centralized office that controls remotely all railways interlockings and the entire traffic flows along a part of the railway network (usually a railway section of 100-250 km). All signaling towers installed along the respective railway section are connected to the CTC and are subordinated to it for traffic management purposes. Commissioning of the CTC means the CTC and all subordinated signaling towers are interconnected and operational according to the project specifications. There are five CTCs in the entire alignment, four belong to the rolled over segments from				

### ► GHG emissions from transport on the Alexandria – Nag Hammadi corridor (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	-6.90
Date	01-Jan-2021	17-May-2021	31-Oct-2021	31-Mar-2027
Comments:	buses and trucks) in CO2 The project will reduce Gł	emissions of railways and co equivalent, along the project IG emissions because of imp s to a modal shift from cars a	corridors from Alexandria proved operational efficien	through Nag Hammadi.

#### 2. Safe System Asset Management Improvement

#### ▶ Design and deployment of the Safety Management System (SMS) at ENR. (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	80.00
Date	31-Dec-2020	17-May-2021	31-Oct-2021	31-Mar-2027
Comments:	design and deployment of begun but has had difficul a positive impact on safet railway is the higher level ENR, through better safet SMS includes an Asset M which will support the cha lead to unsafe practices.	he progress of the establishm f a SMS and training of staff i ty with implementation. An er y issues at stations and other outcome and is one that will y and asset management ou anagement System embeddinge in the ENR personnel's a in the Monitoring plan there is structure, objectives, and mai id.	n safety culture through th ffective SMS designed and r parts of railway operation generate public, political a tcomes, and will lead to a ed within it. Higher rates o attitude to current technolo s one sub-indicator for this	e SMS which has already d implemented, will have as. Safer operation of the and staff confidence in the sustainable railway. The f equipment reliability ogy work-arounds that indicator: Number of



	Receive	Actual (Draviewa)	Actual (Correct)	End Torget						
	Baseline	Actual (Previous)	Actual (Current)	End Target						
/alue	0.00	0.00	0.00	10.00						
Date	20-Jan-2021	17-May-2021	31-Oct-2021	31-Mar-2027						
Comments:	in accordance with includes, among otl	This indicator measures the implementation of comprehensive fire safety plans at stations and workshops in accordance with the ENR fire safety department standards on the alignment. The fire safety plan includes, among other things, fire extinguishers, sprinklers, and training of the station head and other station personnel so the plan can be implemented. The training will include drills.								
Pedestrian barriered	level crossings installed and op	perational (Number, Custom)								
	Baseline	Actual (Previous)	Actual (Current)	End Target						
/alue	0.00	0.00	0.00	10.00						
Date	04-Nov-2020	17-May-2021	31-Oct-2021	31-Mar-2027						
Comments:	indicator measures increase the numbe to road barriers bec use of the roadway	This indicator measures the number of pedestrian barriered level crossings that are operational. This indicator measures a key element of physical safety equipment installed on the track. The objective is to increase the number of operational pedestrian barriered level crossings. Pedestrian barriers are different to road barriers because they provide a specific pedestrian path across the railway track which avoids the use of the roadway for pedestrians. Pedestrian barriers are usually immediately adjacent to road barriers but can also be installed at separate locations of high foot traffic.								
Precursors to Incider	nts Reported by ENR Staff (Nun		Actual (Current)	End Target						
	Baseline	Actual (Previous)	Actual (Current)	End Target						
/alue	Baseline 0.00	Actual (Previous) 0.00	0.00	1,000.00						
Value	Baseline 0.00 02-Dec-2020	Actual (Previous) 0.00 17-May-2021	0.00 31-Oct-2021	1,000.00 31-Mar-2027						
► Precursors to Incider Value Date Comments:	Baseline   0.00   02-Dec-2020   The reporting of the precursors are: browheels, and broken practice as showca incidents. Precurso intervention was nowhere all wheels of derailment. The ind	Actual (Previous) 0.00	0.00 31-Oct-2021 ates the potential risks of fu passed at danger, wrong si his indicator is to align the E jective is to reduce the nun ould lead to a fatal collision ents are events that could I hat the circumstances could s are reported and are give	1,000.00 31-Mar-2027 iture accidents. Some ide signaling failures, broke ENR with good internationa nber of precursors to if some other form of ead to a fatal derailment d very easily lead to a fatal						
Value Date Comments:	Baseline 0.00 02-Dec-2020 The reporting of the precursors are: bro wheels, and broken practice as showca incidents. Precurso intervention was no where all wheels of derailment. The ind to encourage ENR	Actual (Previous) 0.00 17-May-2021 ese precursor occurrences indication ken rails, track buckles, signals axles. The rationale for using the sed by the EU standard. The ob- rs to collisions are events that c t applied. Precursors to derailm the train stay on the track but the icator ensures that all precursor	0.00 31-Oct-2021 ates the potential risks of fu passed at danger, wrong si his indicator is to align the fi jective is to reduce the nun ould lead to a fatal collision ents are events that could I hat the circumstances could s are reported and are give of safety.	1,000.00 31-Mar-2027 ture accidents. Some ide signaling failures, broke ENR with good internationan ober of precursors to if some other form of ead to a fatal derailment d very easily lead to a fatal en equal weight. The idea is						
Value Date Comments: ► Length of Cairo-Giza	Baseline 0.00 02-Dec-2020 The reporting of the precursors are: bro wheels, and broken practice as showca incidents. Precurso intervention was no where all wheels of derailment. The ind to encourage ENR	Actual (Previous) 0.00 17-May-2021 ese precursor occurrences indication ken rails, track buckles, signals axles. The rationale for using the sed by the EU standard. The ob- rs to collisions are events that c t applied. Precursors to derailm the train stay on the track but the icator ensures that all precursor staff to report to reflect a culture	0.00 31-Oct-2021 ates the potential risks of fu passed at danger, wrong si his indicator is to align the fi jective is to reduce the nun ould lead to a fatal collision ents are events that could I hat the circumstances could s are reported and are give of safety.	1,000.00 31-Mar-2027 ture accidents. Some ide signaling failures, broke ENR with good internationan ober of precursors to if some other form of ead to a fatal derailment d very easily lead to a fatal en equal weight. The idea is						
/alue Date Comments: ►Length of Cairo-Giza isks (Kilometers, Custo	Baseline 0.00 02-Dec-2020 The reporting of the precursors are: bro wheels, and broken practice as showca incidents. Precurso intervention was no where all wheels of derailment. The ind to encourage ENR a-Beni Suef corridor segment se	Actual (Previous) 0.00 17-May-2021 ese precursor occurrences indication ken rails, track buckles, signals axles. The rationale for using the sed by the EU standard. The ob- rs to collisions are events that c t applied. Precursors to derailm the train stay on the track but the icator ensures that all precursor staff to report to reflect a culture rved by signaling system with m	0.00 31-Oct-2021 ates the potential risks of fu passed at danger, wrong si his indicator is to align the B jective is to reduce the nun ould lead to a fatal collision ents are events that could I hat the circumstances could s are reported and are give of safety.	1,000.00 31-Mar-2027 iture accidents. Some ide signaling failures, broke ENR with good internationan ober of precursors to if some other form of ead to a fatal derailment divery easily lead to a fatal en equal weight. The idea is						
Value Date Comments: ► Length of Cairo-Giza	Baseline 0.00 02-Dec-2020 The reporting of the precursors are: bro wheels, and broken practice as showca incidents. Precurso intervention was no where all wheels of derailment. The ind to encourage ENR a-Beni Suef corridor segment se om) Baseline	Actual (Previous) 0.00 17-May-2021 ese precursor occurrences indic ken rails, track buckles, signals o axles. The rationale for using the sed by the EU standard. The ob rs to collisions are events that c t applied. Precursors to derailm the train stay on the track but th icator ensures that all precursor staff to report to reflect a culture rved by signaling system with m Actual (Previous)	0.00 31-Oct-2021 ates the potential risks of fur passed at danger, wrong si nis indicator is to align the E jective is to reduce the num ould lead to a fatal collision ents are events that could I nat the circumstances could s are reported and are give of safety. itigation measures to identi- Actual (Current)	1,000.00 31-Mar-2027 Iture accidents. Some ide signaling failures, broke ENR with good internationan ober of precursors to if some other form of ead to a fatal derailment d very easily lead to a fatal en equal weight. The idea is ified climate and disaster End Target						



control tower. The indicator is defined as follows: when works complete that is, a signaling tower is commissioned and the modern signaling system becomes functional for the particular segment of the corridor, then climate and disaster risk-resilient signaling system now serves the segment. The length of the corridor segment covered by the signaling tower will be added to the indicator to be reported. The Cairo-Giza-Beni Suef corridor is 125km in length, and the baseline value is 0, and the target value is 125. Design and works will occur during the first several years of implementation, and climate and disaster resilient signaling system will be in place toward the end of project implementation showing an S-shaped progress curve.

		of engineering roles (Number, C		
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	215.00	215.00	215.00	240.00
Date	31-Dec-2020	17-May-2021	31-Oct-2021	31-Mar-2027
Comments:	engineering roles f to encourage wom transport sector, or	sures the number of female grac rom civil to electrical to mechani en's recruitment in roles that ten ne of which is engineering, and a evant education profile.	cal to signal engineer. The d to be male dominated in	rationale for this indicator the ENR and broadly in th
► Steering Committee	established and meets periodic	ally (Yes/No, Custom)		
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	23-Oct-2020	17-May-2021	31-Oct-2021	30-Sep-2021
Comments:		lish a steering committee (SC) t needed . The SC will lead the re		
► Policy Reform Prepa	aratory Analysis for PSOC and N	MAIC (Yes/No, Custom)		
► Policy Reform Prepa	aratory Analysis for PSOC and N Baseline	MAIC (Yes/No, Custom) Actual (Previous)	Actual (Current)	End Target
			Actual (Current) No	End Target Yes
► Policy Reform Prepa Value Date	Baseline	Actual (Previous)		

Performance-Based Conditions



▶PBC 1 5. Performance-based funding for ENR (Yes/No, Outcome, 29,000,000.00, 0.00%)							
	Baseline	Actual (Previous)	Actual (Current)	Any time during project implementation			
Value	No	No	No				
Date		17-May-2021	15-Dec-2021				

# Data on Financial Performance

# **Disbursements (by loan)**

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% E	Disbursed
P175137	IBRD-92090	Effective	USD	440.00	440.00	0.00	40.62	397.34		9.3%
Key Dates	Key Dates (by loan)									
Project	Loan/Credit/TF	Status	Approval Dat	e Signi	ng Date	Effectiveness D	Date Orig.	Closing Date	Rev. Closing	Date
P175137	IBRD-92090	Effective	05-Mar-2021	28-A	or-2021	25-Aug-2021	30-Se	p-2027	30-Sep-2027	

### Cumulative Disbursements





# **PBC Disbursement**

PBC ID	РВС Туре	Description	Сос	PBC Amount	Achievement Status	Disbursed amount in Coc	Disbursement % for PBC
Restructuring Histor	у						
There has been no re	structuring to o	date.					
Related Project(s)							
There are no related p	rojects.						