

SHAKIL ALAM
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Appendix 2
भारत सरकार
वित्त मंत्रालय
आर्थिक कार्य विभाग
Government of India
Ministry of Finance
Department of Economic Affairs

D.O. No. 3/5/2017-ADB-II

नई दिल्ली/New Delhi.....

Dated the 23rd June, 2020

Dear Mr. Kenichi Yokoyama

RE: Delhi-Meerut Regional Rapid Transit System Investment Project: Periodic Financing Request # 1

1. Please refer to the Framework Financing Agreement (FFA) for the Delhi-Meerut Regional Rapid Transit System Investment Project dated 23.06.2020 between Asian Development Bank (ADB) and India. Expressions defined in the FFA shall have the same meanings therein.

2. Pursuant to the provisions of the FFA, India requests ADB to process this Periodic Financing Request (PFR) for a tranche, in the form of a loan from its Ordinary Capital Resources. The proposed financing amounts, terms, conditions, and financing plan are specified in Attachment hereto. Descriptions of the project for which financing is hereby requested are set out in Attachment hereto.

With regards,

Yours sincerely

(SHAKIL ALAM)

Mr. Kenichi Yokoyama
Director General, South Asia Department,
Asian Development Bank,
6 ADB Avenue
Mandaluyong City, Metro Manila,
Philippines.

Attachment

Project Description The Delhi–Meerut Regional Rapid Transit System Investment Project (the Investment Project) is a large-scale project proposed to be financed through a multitranche financing facility with time-slicing approach. The part of the project proposed for financing under the requested PFR will finance Tranche 1 or about 32% of the progress towards (i) construction of an 82-kilometer regional rapid transit system corridor between Delhi and Meerut, (ii) strengthen the institutional capacity of NCRTC; and (iii) improve the mobility and economic opportunities of women and differently-abled; all as included in greater detail in the Facility Administration Manual for the Investment Project.

The Design and Monitoring Framework for the first tranche is in Annex 1.

Cost Estimates and Financing Plan The total cost of to be financed under Tranche 1 is estimated at \$1,302.6 million, inclusive of taxes, duties, and interest and other charges on the loan during construction. The detailed cost estimates and financing plan are in Annex 2.

(\$ million)				
Item	Total Cost	ADB	JFPR	Government
A. Investment Costs				
1. Civil works	665.7	384.3	0.3	281.2
2. S&T and traction	-	-	-	-
3. Rolling stock	72.0	-	-	72.0
4. Land (except government land)	79.2	-	-	79.2
5. General Charges	30.8	-	-	30.8
6. Consulting Services	29.4	1.3	2.4	25.7
7. Taxes (except state taxes)	83.3	-	-	83.3
Subtotal (A)	960.4	385.6	2.7	572.0
Total Base Cost	960.4	385.6	2.7	572.0
B. Contingencies				
1. Contingencies	171.0	67.4	0.3	103.3
2. Escalation	115.5	47.0	-	68.4
Subtotal (B)	286.5	114.4	0.3	171.8
C. Financial Charges During Implementation				
1. Interest during construction	54.7	-	-	54.7
2. Commitment Charges	1.1	-	-	1.1
Subtotal (C)	55.8	-	-	55.8
Total Project Cost (A+B+C)	1,302.6	500.0	3.0	799.6

ADB = Asian Development Bank, JFPR = Japan Fund for Poverty Reduction, S&T = signalling and telecommunications.

Source: National Capital Region Transport Corporation and Asian Development Bank.

Loan, Cofinancing, Grant Amount and Terms	The request is for a loan of \$500 million from the ordinary capital resources of the Asian Development Bank (ADB) provided under ADB's London interbank offered rate (LIBOR)-based lending facility, with a 25-year term including a grace period of 8 years, an interest rate determined in accordance with ADB's LIBOR-based lending facility, and such other terms and conditions as agreed in the FFA, and further supplemented under the Loan and Project Agreements. India has also requested a grant not exceeding \$3.0 million from the JFPR.
Period of Loan and Grant Utilization	The project financed under tranche 1 is expected to be completed by 30 August 2023. The grant is expected to be completed by 30 August 2025.
Advance Contracting	Advance contracting is requested for works, goods and services, and consultant recruitment, as per the provision of the framework financing agreement.
Retroactive Financing	Retroactive financing is requested for the eligible expenditures, not exceeding 20% of the loan amount, incurred before loan effectiveness, but not earlier than 12 months before the signing of the legal agreements for this tranche.
Implementation Arrangements	The Executing Agency will be India's Ministry of Housing and Urban Affairs acting through the National Capital Region Transport Corporation. Detailed implementation arrangements are described in the Facility Administration Manual.
Procurement and Consulting Services	The procurement plan is attached as Annex 3.
Confirmation of Continuing Validity of and Adherence to Provisions of FFA and the Design and Monitoring Framework	India confirms that the understandings set out in the FFA have been adhered and remain true to date.
Readiness of the Project for Implementation	The feasibility study, engineering design, economic and financial assessment and bid documents have been completed. Two large civil works packages for the 17-kilometer priority section have been awarded and construction is ongoing under government funding.
Safeguards	The safeguards documents for the Investment Project have been prepared, reviewed by ADB, and disclosed on the ADB website.

DESIGN AND MONITORING FRAMEWORK FOR PROJECT 1

Impact the Project is Aligned with: Urban mobility in the National Capital Region improved (National Urban Transport Policy, 2006) ^a			
Results Chain	Performance Indicators with Targets and Baselines	Data Sources and Reporting	Risks
Outcome Efficiency, safety, social inclusiveness and environmental sustainability of transport in the Delhi–Meerut RRTS corridor improved	By 2028: a. Travel time between Delhi– Meerut by train reduced to 1 hour (2020 baseline: 3–4 hours) (OP 2.4.1) b. 258,035 tons of CO2 reduced per annum (2020 baseline: 0) (OP 3.1, OP 3.1.3) c. At least 70% of riders, including EWCD, perceive the RRTS to be accessible, safe, and reliable ^b (2020 baseline: Not applicable) (OP 2.1.4)	a–b. NCRTC statistics c. RRTS user survey by NCRTC	Feeder connectivity issues impact ridership
Outputs 1. Delhi–Meerut RRTS corridor commissioned	By 2023: 1a. 32% progress towards 82 route-km of standard gauge electrified rail track installed, with systems and signaling (2020 baseline: 0) (OP 1.3.1, OP 3.2.5, OP 4.1.2) 1b. 32% progress towards 24 EWCD-friendly stations with climate- and disaster-resilient features constructed and operational (2020 baseline: 0) (OP 1.3.1, OP 3.2.5, OP 4.1.2) 1c. 32% progress towards at least five RRTS stations developed as major multimodal hubs ^c (2020 baseline: 0) (OP 1.3.1, OP 3.2.5, OP 4.1.2)	1a–c. Progress reports	Unpredicted ground conditions such as mixed strata may delay tunnel boring works in the underground sections
2. Institutional capacity of the NCRTC strengthened ^d	By 2023: 2a. Draft action plan on TOD, VCF instruments, and PPP initiatives completed by NCRTC (2020 baseline: Not applicable) 2b. Smart technology-based platform (BIM) installed in NCRTC (2020 baseline: Not applicable) 2c. Gender-friendly workplace policy developed and institutionalized within the NCRTC (2020 baseline: Not applicable) (OP 2.3.2) 2d. At least 50 NCRTC staff reported increased knowledge in project and contract	2a–c. Progress reports 2d. Post-training program reports	

Results Chain	Performance Indicators with Targets and Baselines	Data Sources and Reporting	Risks
	management, financial management, procurement, and safeguards (2020 baseline: Not applicable) (OP 6.1.1)	and surveys of NCRTC staff	
3. Mobility and economic opportunities of women and the differently-abled improved ^e	<p>By 2023:</p> <p>3a. At least 200 women received training for employment and/or entrepreneurial opportunities arising from improved RRTS corridors (2020 baseline: 0) (OP 2.1.1)</p> <p>3b. At least 200 differently-abled persons received hearing, visual and/or physical mobility assistive aids (2020 baseline: 0) (OP 1.3)</p>	3a–3b. Progress and completion reports submitted to ADB and NCRTC by the contracted organization, including certificates issued upon completion of trainings and/or receipt of assistive aids	Mobilization of target beneficiaries takes longer due to social behavior and perceptions

Key Activities with Milestones

1. Delhi–Meerut RRTS corridor commissioned

- 1.1 Award and mobilize general consultants and detailed design consultants by Q2 2019
- 1.2 Commence advance contracting by Q3 2019
- 1.3 Award contracts by Q4 2020

2. Institutional capacity of the NCRTC strengthened

- 2.1 Complete initial capacity building plan and structuring by Q4 2020
- 2.2 Award BIM platform support consultants by Q4 2020
- 2.3 Award and mobilize consultants for TOD and VCF by Q4 2020
- 2.4 Establish BIM platform for the project design, implementation and management by Q2 2021
- 2.5 Develop gender-friendly workplace policy by Q2 2021
- 2.6 Establish institutional capacity for project implementation and management using smart technologies by Q3 2021
- 2.7 Award training and capacity building contracts by Q2 2022

3. Mobility and economic opportunities of women and the differently-abled improved

- 3.1 Establish GESI Implementation Unit by Q4 2020
- 3.2 Award and mobilize national (non-government or consulting) organizations by Q1 2021

Inputs

ADB: \$500,000,000 (loan)
Government: \$799,600,000
JFPR: \$3,000,000 (grant)

Assumptions for Partner Financing

Not applicable

ADB = Asian Development Bank, BIM = building information modelling, CO2 = carbon dioxide, GESI = gender equality and social inclusion, JFPR = Japan Fund for Poverty Reduction, km = kilometer, MoHUA = Ministry of Housing and Urban Affairs, NCRTC = National Capital Region Transport Corporation, O&M = operations and maintenance, Q = quarter, RFI = results framework indicator, RRTS = regional rapid transit system, TASF = technical assistance special fund, TOD = transit oriented development, VCF = value capture financing.

^a Government of India, Ministry of Housing and Urban Affairs. 2006. *National Urban Transport Policy*. New Delhi.

^b The indicator follows the approach of another (and only) recently approved project from India, the Mumbai Metro Rail Systems Project, where target is 60%. The target is based on extensive discussions with NCRTC and reflects ADB experience in the design of the Mumbai Metro Rail Systems Project.

^c Major multimodal hubs are RRTS stations that will include easy interchange to rail, metro, and bus stations for passengers.

^d Output 2 to be supported by technical assistance funded by the Urban Climate Change Resilience Trust Fund. ADB. 2019. [Technical Assistance to India for Strengthening Climate Change Resilience in Urban India Subproject 3:](#)

Strengthening Smart Urban Mass Rapid Transit and Climate Change Resilience in the National Capital Region, Manila.

° Output 3 to be supported by the attached grant funded by the Japan Fund for Poverty Reduction.

Contribution to the ADB Results Framework:

- OP 1.3 Poor and vulnerable people with improved standards of living. Expected: xxx (number of passengers).
- OP 1.3.1 Infrastructure assets established or improved. Expected: 4 assets (RRTS corridor, stations, smart technology-based platform).
- OP 2.1.1 Women enrolled in technical and vocational education and training and other job training. Expected: 1,400 women.
- OP 2.1.4 Women and girls benefiting from new or improved infrastructure. Expected: 150,000 (20% of estimated ridership of 750,000).
- OP 2.3.2 Measures on gender equality supported in implementation. Expected: 2 measure.
- OP 2.4.1 Time-saving or gender-responsive infrastructure assets and/or services established or improved. Expected: 4 assets (RRTS corridor, stations, smart technology-based platform).
- OP 3.1 Total annual greenhouse gas emissions reduction. Expected: 250,000 tCO₂e/year.
- OP 3.1.3 Low-carbon infrastructure assets established or improved. Expected: 3 assets (RRTS corridor, stations, smart technology-based platform).
- OP 3.2.5 New and existing infrastructure assets made climate and disaster resilient. Expected: 2 assets (RRTS corridor, stations).
- OP 4.1.2 Urban infrastructure assets established or improved. Expected: 4 assets (RRTS corridor, stations, smart technology-based platform).
- OP 6.1.1 Government officials with increased capacity to design, implement, monitor, and evaluate relevant measures Expected: at least 50 NCRTC staff.

Source: Asian Development Bank.

Detailed Cost Estimates by Financier for Tranche 1
(\$ million)

Item	ADB		JFPR		Government		Total Cost
	Amount {A}	% of Cost Category {A/E}	Amount {C}	% of Cost Category {C/E}	Amount {D}	% of Cost Category {D/E}	Amount {E}
A. Investment Costs							
1. Civil works	384.3	57.7	0.3	0.1	281.2	42.2	665.7
2. Rolling stock	-	-	-	-	72.0	100.0	72.0
3. Land (except government land)	-	-	-	-	79.2	100.0	79.2
4. General Charges	-	-	-	2.1	30.8	97.9	30.8
5. Consulting Services	1.3	4.7	2.4	4.3	25.7	91.0	29.4
6. Taxes (except state taxes)	-	-	-	-	83.3	100.0	83.3
Subtotal (A)	385.6	40.2	2.7	0.3	572.0	59.6	960.4
Total Base Cost	385.6	40.2	2.7	0.3	572.0	59.6	960.4
B. Contingencies							
1. Contingencies	67.4	39.4	0.3	0.2	103.3	60.4	171.0
2. Escalation	47.0	40.7	-	-	68.4	59.3	115.5
Subtotal (B)	114.4	39.9	0.3	0.1	171.8	60.0	286.5
C. Financial Charges During Implementation							
1. Interest during construction	-	-	-	-	54.7	100.0	54.7
2. Commitment Charges	-	-	-	-	1.1	100.0	1.1
Subtotal (C)	-	-	-	-	55.8	100.0	55.8
Total Project Cost (A+B+C)	500.0	38.4	3.0	0.2	799.6	61.4	1,302.6

ADB = Asian Development Bank, JFPR = Japan Fund for Poverty Reduction, NCRTC = National Capital Region Transport Corporation, S&T = signaling and telecommunications.

Note: Numbers may not sum precisely because of rounding.

Sources: National Capital Region Transport Corporation and Asian Development Bank.

PROCUREMENT PLAN

Basic Data

Project Name: Delhi–Meerut Regional Rapid Transit System Investment Project (Tranche 1)		
Project Number: 51073-003	Approval Number:	
Country: India	Executing Agency:	Ministry of Housing and Urban Affairs acting through the National Capital Region Transport Corporation
Project Procurement Risk: High	Implementing Agency:	
Project Financing Amount: \$1,299,600,000 ADB Financing: \$500,000,000 Cofinancing (ADB Administered): Non-ADB Financing: \$799,600,000	Project Closing Date: 30 August 2023	
Date of First Procurement Plan: 8 May 2020	Date of this Procurement Plan:	8 May 2020
Procurement Plan Duration (in months): 18	Advance Contracting: Yes	e-GP: Yes https://etenders.gov.in/eprocure/app

A. Methods, Review and Procurement Plan

1. Except as the Asian Development Bank (ADB) may otherwise agree, the following methods shall apply to procurement of goods, works, and consulting services.

Procurement of Goods and Works	
Method	Comments
Open Competitive Bidding (OCB) for Goods	International advertisement is considered for increased competitiveness. Note on post review (sampling) methodology: For the packages that are subject to post review (sampling), the post review will be done (i) to about 30%-50% of total post review contract value, and (ii) to about 20% of the total number of contracts identified for post review (sampling). To the extent possible, all types of contracts will be included in the sample.
Open Competitive Bidding (OCB) for Works	International advertisement is considered for increased competitiveness. Note on post review (sampling) methodology: For the packages that are subject to post review (sampling), the post review will be done (i) to about 30%-50% of total post review contract value, and (ii) to about 20% of the total number of contracts identified for post review (sampling). To the extent possible, all types of contracts will be included in the sample.

Consulting Services	
Method	Comments
Quality- and Cost-Based Selection for Consulting Firm	International advertisement is considered for increased competitiveness except for small-value contracts.

B. Lists of Active Procurement Packages (Contracts)

2. The following table lists goods, works, non-consulting and consulting services contracts for which the procurement activity is either ongoing or expected to commence within the procurement plan duration.

Goods and Works							
Package Number	General Description	Estimated Value (in US\$)	Procurement Method	Review	Bidding Procedure	Advertisement Date (quarter/year)	Comments
P03	Construction of elevated viaducts including stations excluding finishes and pre-engineered buildings (PEB)	244,760,000.00	OCB	Prior	1S2E	Q3 / 2019	Non-Consulting Services: No Advertising: International No. Of Contracts: 2 Prequalification of Bidders: No Domestic Preference Applicable: No Advance Contracting: Yes Bidding Document: Large Works High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Comments: FIDIC MDB 2010; awarded 19 Mar 2020
	Lot 1: Construction of elevated viaduct incl. 2 stations from Duhai Eastern Peripheral Expressway (EPE) to start of Modi Nagar North excluding finishes and PEB	114,720,000.00					
	Lot 2: Construction of elevated	130,040,000.00					

Goods and Works							
Package Number	General Description	Estimated Value (in US\$)	Procurement Method	Review	Bidding Procedure	Advertisement Date (quarter/year)	Comments
	viaduct incl. 5 stations from Modi Nagar North to Shatabadi Nagar excluding finishes and PEB						
P04	Design and construction of tunnels by tunnel boring machine (TBM) from New Ashok Nagar Ramp to Sahibabad Ramp incl. finishes, E&M and 1 underground (UG) station	198,400,000.00	OCB	Prior	1S2E	Q4 / 2019	<p>Non-Consulting Services: No</p> <p>Advertising: International</p> <p>No. Of Contracts: 1</p> <p>Prequalification of Bidders: No</p> <p>Domestic Preference Applicable: No</p> <p>Advance Contracting: Yes</p> <p>Bidding Document: Large Works</p> <p>High Risk Contract: No</p> <p>e-GP: Yes</p> <p>e-GP Type: e-Bidding</p> <p>Comments: FIDIC Yellow Book 2017; universal procurement applied</p>
P05A	Construction of Duhai depot and 1 at-grade station incl. finishes, PEB, E&M (incl. training center)	17,940,000.00	OCB	Prior	1S2E	Q1 / 2020	<p>Non-Consulting Services: No</p> <p>Advertising: International</p>

Goods and Works							
Package Number	General Description	Estimated Value (in US\$)	Procurement Method	Review	Bidding Procedure	Advertisement Date (quarter/year)	Comments
							No. Of Contracts: 1 Prequalification of Bidders: No Domestic Preference Applicable: No Advance Contracting: Yes Bidding Document: Large Works High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Comments: FIDIC MDB 2010; universal procurement applied
P05B	Construction of Modipuram depot and 1 at-grade station incl. finishes, PEB, and E&M	12,700,000.00	OCB	Post (Sampling)	1S2E	Q3 / 2020	Non-Consulting Services: No Advertising: International No. Of Contracts: 1 Prequalification of Bidders: No Domestic Preference Applicable: No Advance Contracting: Yes Bidding Document:

Goods and Works							
Package Number	General Description	Estimated Value (in US\$)	Procurement Method	Review	Bidding Procedure	Advertisement Date (quarter/year)	Comments
							<p>Large Works</p> <p>High Risk Contract: No</p> <p>e-GP: Yes</p> <p>e-GP Type: e-Bidding</p> <p>Comments: FIDIC MDB 2010; universal procurement applied</p>
P06	Construction of elevated viaducts incl. 2 stations from Sarai Khale Khan (SKK) to New Ashok Nagar incl. PEB and excluding finishes	99,920,000.00	OCB	Prior	1S2E	Q1 / 2020	<p>Non-Consulting Services: No</p> <p>Advertising: International</p> <p>No. Of Contracts: 1</p> <p>Prequalification of Bidders: No</p> <p>Domestic Preference Applicable: No</p> <p>Advance Contracting: Yes</p> <p>Bidding Document: Large Works</p> <p>High Risk Contract: No</p> <p>e-GP: Yes</p> <p>e-GP Type: e-Bidding</p> <p>Comments: FIDIC MDB 2010; universal procurement applied</p>
P07	Construction	103,720,000.00	OCB	Prior	1S2E	Q2 / 2020	Non-

Goods and Works							
Package Number	General Description	Estimated Value (in US\$)	Procurement Method	Review	Bidding Procedure	Advertisement Date (quarter/year)	Comments
	of elevated viaduct from Shatabdi Nagar Station to Brahmpuri Down Ramp & Begumpul Up Ramp to Modipuram incl. 5 elevated stations (Brahmpuri, MES Colony, Daurli, Meerut North, & Modipuram) excluding PEB and finishes						Consulting Services: No Advertising: International No. Of Contracts: 1 Prequalification of Bidders: No Domestic Preference Applicable: No Advance Contracting: Yes Bidding Document: Large Works High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Comments: FIDIC MDB 2010; universal procurement applied
P08	Design and construction of tunnels by tunnel boring machine (TBM) from Brahampuri DN ramp to Begumpul UP ramp and 3 underground (UG) stations at Meerut Central, Bhisali & Begumpul incl. finishes, E&M, and 3 underground (UG) stations at Meerut	279,470,000.00	OCB	Prior	1S2E	Q1 / 2020	Non-Consulting Services: No Advertising: International No. Of Contracts: 1 Prequalification of Bidders: No Domestic Preference Applicable: No

Goods and Works							
Package Number	General Description	Estimated Value (in US\$)	Procurement Method	Review	Bidding Procedure	Advertisement Date (quarter/year)	Comments
	Centra						Advance Contracting: Yes Bidding Document: Design-Build High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Comments: FIDIC Yellow Book 2017; universal procurement applied
P09B	Construction of Jangpura stabling yard, Operation control center (OCC) and associated buildings incl. finishes, PEB and E&M (inc. training center)	11,130,000.00	OCB	Post (Sampling)	1S2E	Q3 / 2020	Non-Consulting Services: No Advertising: International No. Of Contracts: 1 Prequalification of Bidders: No Domestic Preference Applicable: No Advance Contracting: Yes Bidding Document: Large Works High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding

Goods and Works							
Package Number	General Description	Estimated Value (in US\$)	Procurement Method	Review	Bidding Procedure	Advertisement Date (quarter/year)	Comments
							Comments: FIDIC MDB 2010; universal procurement applied
P10	Architectural finishes for 7 elevated stations (Sahibabad, Ghaziabad, Guldhar, Duhai, Partapur, Rithani, Shatabdi Nagar) and E&M systems	13,750,000.00	OCB	Prior	1S2E	Q2 / 2020	<p>Non-Consulting Services: No</p> <p>Advertising: International</p> <p>No. Of Contracts: 1</p> <p>Prequalification of Bidders: No</p> <p>Domestic Preference Applicable: No</p> <p>Advance Contracting: Yes</p> <p>Bidding Document: Large Works</p> <p>High Risk Contract: No</p> <p>e-GP: Yes</p> <p>e-GP Type: e-Bidding</p> <p>Comments: FIDIC MDB2010; universal procurement applied; bidding documents subject to parallel review and ammended through an addendum during the bidding process based on feedback from ADB.</p>

Goods and Works							
Package Number	General Description	Estimated Value (in US\$)	Procurement Method	Review	Bidding Procedure	Advertisement Date (quarter/year)	Comments
P11	Architectural finishes for elevated stations and E&M systems	24,880,000.00	OCB	Post (Sampling)	1S2E	Q2 / 2020	Non-Consulting Services: No Advertising: International No. Of Contracts: 2 Prequalification of Bidders: No Domestic Preference Applicable: No Advance Contracting: Yes Bidding Document: Large Works High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Comments: FIDIC MDB 2010; universal procurement applied
	Lot 1: Architectural finishes for 2 elevated stations from Sarai Kale Khan (SKK) to New Ashok Nagar station & E&M Systems	10,610,000.00					
	Lot 2: Architectural finishes for 9 elevated stations (viz Murad Nagar, Modi Nagar South, Modi Nagar North,	14,270,000.00					

Goods and Works							
Package Number	General Description	Estimated Value (in US\$)	Procurement Method	Review	Bidding Procedure	Advertisement Date (quarter/year)	Comments
	Meerut South Stations, Brahmpuri, MES Colony, Daurli, Meerut North, Modipuram) and E&M Systems						
P12A	PEB works for 4 elevated stations (Sahibabad, Ghaziabad, Guldhar, Duhai)	3,670,000.00	OCB	Prior	1S2E	Q1 / 2020	<p>Non-Consulting Services: No</p> <p>Advertising: International</p> <p>No. Of Contracts: 1</p> <p>Prequalification of Bidders: No</p> <p>Domestic Preference Applicable: No</p> <p>Advance Contracting: Yes</p> <p>Bidding Document: Large Works</p> <p>High Risk Contract: No</p> <p>e-GP: Yes</p> <p>e-GP Type: e-Bidding</p> <p>Comments: FIDIC MDB 2010; universal procurement applied</p>
P12B	PEB works for elevated stations	8,710,000.00	OCB	Post (Sampling)	1S2E	Q2 / 2020	<p>Non-Consulting Services: No</p> <p>Advertising: International</p>

Goods and Works							
Package Number	General Description	Estimated Value (in US\$)	Procurement Method	Review	Bidding Procedure	Advertisement Date (quarter/year)	Comments
	<p>Lot 1: PEB works for 6 elevated stations Murad Nagar, Modi Nagar South, Modi Nagar North, Meerut South, MES Colony and Daurli</p> <p>Lot 2: PEB works for 6 elevated stations- Partapur, Rithani, Shatbdi Nagar, Brahmpuri, Meerut North and Modipuram</p>	<p>4,580,000.00</p> <p>4,130,000.00</p>					<p>No. Of Contracts: 2</p> <p>Prequalification of Bidders: No</p> <p>Domestic Preference Applicable: No</p> <p>Advance Contracting: Yes</p> <p>Bidding Document: Large Works</p> <p>High Risk Contract: No</p> <p>e-GP: Yes</p> <p>e-GP Type: e-Bidding</p> <p>Comments: FIDIC MDB2010; universal procurement applied</p>
P13	Supply of head hardened rails	21,350,000.00	OCB	Prior	1S2E	Q4 / 2019	Non-Consulting Services: No

Goods and Works							
Package Number	General Description	Estimated Value (in US\$)	Procurement Method	Review	Bidding Procedure	Advertisement Date (quarter/year)	Comments
							Advertising: International No. Of Contracts: 1 Prequalification of Bidders: No Domestic Preference Applicable: No Advance Contracting: Yes Bidding Document: Goods High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Comments: ADB SBD Goods; universal procurement applied
P14	Supply of fastening systems for ballastless track	29,200,000.00	OCB	Prior	1S2E	Q1 / 2020	Non-Consulting Services: No Advertising: International No. Of Contracts: 1 Prequalification of Bidders: No Domestic Preference Applicable: No Advance Contracting:

Goods and Works							
Package Number	General Description	Estimated Value (in US\$)	Procurement Method	Review	Bidding Procedure	Advertisement Date (quarter/year)	Comments
							<p>Yes</p> <p>Bidding Document: Goods</p> <p>High Risk Contract: No</p> <p>e-GP: Yes</p> <p>e-GP Type: e-Bidding</p> <p>Comments: ADB SBD Goods; universal procurement applied; bidding documents will be subject to parallel review, and amended through an addendum during the bidding process based on feedback from ADB</p>
P15	Supply of turnout and scissor cross over	24,620,000.00	OCB	Prior	1S2E	Q2 / 2020	<p>Non-Consulting Services: No</p> <p>Advertising: International</p> <p>No. Of Contracts: 1</p> <p>Prequalification of Bidders: No</p> <p>Domestic Preference Applicable: No</p> <p>Advance Contracting: Yes</p> <p>Bidding Document: Goods</p>

Goods and Works							
Package Number	General Description	Estimated Value (in US\$)	Procurement Method	Review	Bidding Procedure	Advertisement Date (quarter/year)	Comments
							High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Comments: ADB SBD Goods; universal procurement applied
P16	Supply of rails for Duhai and Modipuram depots and Jangpura Stabling Yard incl. 2 at-grade stations	4,320,000.00	OCB	Post (Sampling)	1S2E	Q2 / 2020	Non-Consulting Services: No Advertising: International No. Of Contracts: 1 Prequalification of Bidders: No Domestic Preference Applicable: No Advance Contracting: Yes Bidding Document: Goods High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Comments: ADB SBD Goods; universal procurement applied
P17	Trackwork installation	57,360,000.00	OCB	Prior	1S2E	Q2 / 2020	Non-Consulting

Goods and Works							
Package Number	General Description	Estimated Value (in US\$)	Procurement Method	Review	Bidding Procedure	Advertisement Date (quarter/year)	Comments
	from SKK (Delhi) to Modipuram (UP) including Jangpura stabling yard, Duhai and Modipuram depots						Services: No Advertising: International No. Of Contracts: 1 Prequalification of Bidders: No Domestic Preference Applicable: No Advance Contracting: Yes Bidding Document: Large Works High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Comments: FIDIC MDB 2010; universal procurement applied
P18	Rail grinding machine	3,930,000.00	OCB	Post (Sampling)	1S2E	Q2 / 2020	Non-Consulting Services: No Advertising: International No. Of Contracts: 1 Prequalification of Bidders: No Domestic Preference Applicable: No Advance

Goods and Works							
Package Number	General Description	Estimated Value (in US\$)	Procurement Method	Review	Bidding Procedure	Advertisement Date (quarter/year)	Comments
							Contracting: Yes Bidding Document: Goods High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Comments: ADB SBD Goods; universal procurement applied
P19	Design, supply, installation, testing and commissioning of receiving substations (RSS) and traction overhead equipment (OHE)	154,350,000.00	OCB	Prior	1S2E	Q1 / 2020	Non-Consulting Services: No Advertising: International No. Of Contracts: 2 Prequalification of Bidders: No Domestic Preference Applicable: No Advance Contracting: Yes Bidding Document: Design-Build High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Comments:

Goods and Works							
Package Number	General Description	Estimated Value (in US\$)	Procurement Method	Review	Bidding Procedure	Advertisement Date (quarter/year)	Comments
	<p>Lot 1: Design, supply, installation, testing and commissioning of receiving substations (RSS) and traction overhead equipment (OHE) from SKK to Duhai (EPE) incl. Jangpura Yard and Duhai Depot</p> <p>Lot 2: Design, supply, installation, testing and commissioning of receiving substations (RSS) from Duhai (EPE) to Modipuram incl. Modipuram Depot</p>	<p>68,660,000.00</p> <p>85,690,000.00</p>					FIDIC Yellow Book 2017; universal procurement applied
P21	Design, supply, installation, testing and commissioning of escalators	23,730,000.00	OCB	Prior	1S2E	Q2 / 2020	<p>Non-Consulting Services: No</p> <p>Advertising: International</p> <p>No. Of Contracts: 1</p> <p>Prequalification of Bidders: No</p> <p>Domestic Preference Applicable: No</p> <p>Advance Contracting: Yes</p> <p>Bidding Document: Design-Build</p>

Goods and Works							
Package Number	General Description	Estimated Value (in US\$)	Procurement Method	Review	Bidding Procedure	Advertisement Date (quarter/year)	Comments
							High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Comments: FIDIC Yellow Book 2017; universal procurement applied
P22	Design, supply, installation, testing and commissioning of elevators	8,750,000.00	OCB	Prior	1S2E	Q2 / 2020	Non-Consulting Services: No Advertising: International No. Of Contracts: 1 Prequalification of Bidders: No Domestic Preference Applicable: No Advance Contracting: Yes Bidding Document: Design-Build High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Comments: FIDIC Yellow Book 2017; universal procurement applied

Goods and Works							
Package Number	General Description	Estimated Value (in US\$)	Procurement Method	Review	Bidding Procedure	Advertisement Date (quarter/year)	Comments
P23	Design, supply, installation, testing and commissioning of tunnel ventilation system (TVS) and ECS (environment control system) for 4 UG stations	33,830,000.00	OCB	Prior	1S2E	Q2 / 2020	<p>Non-Consulting Services: No</p> <p>Advertising: International</p> <p>No. Of Contracts: 1</p> <p>Prequalification of Bidders: No</p> <p>Domestic Preference Applicable: No</p> <p>Advance Contracting: Yes</p> <p>Bidding Document: Design-Build</p> <p>High Risk Contract: No</p> <p>e-GP: Yes</p> <p>e-GP Type: e-Bidding</p> <p>Comments: FIDIC Yellow Book 2017; universal procurement applied; bidding documents will be subject to parallel review and amended through addendum during the bidding process, based on feedback from ADB</p>
P25	Other minor works	10,870,000.00	OCB	Prior	1S2E	Q2 / 2020	<p>Non-Consulting Services: No</p> <p>Advertising:</p>

Goods and Works							
Package Number	General Description	Estimated Value (in US\$)	Procurement Method	Review	Bidding Procedure	Advertisement Date (quarter/year)	Comments
	Lot 1: Lot 1	3,623,000.00					International No. Of Contracts: 3 Prequalification of Bidders: No Domestic Preference Applicable: No Advance Contracting: No Bidding Document: Large Works High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Comments: Q4 2020; to be finalized at a later stage; may include spares, baggage screening equipment, etc.; universal procurement applied
	Lot 2: Lot 2	3,623,000.00					
	Lot 3: Lot 3	3,624,000.00					
P27	Design, supply, installation, testing and commissioning of platform screen doors	22,000,000.00	OCB	Prior	1S2E	Q2 / 2020	Non-Consulting Services: No Advertising:

Goods and Works							
Package Number	General Description	Estimated Value (in US\$)	Procurement Method	Review	Bidding Procedure	Advertisement Date (quarter/year)	Comments
							International No. Of Contracts: 1 Prequalification of Bidders: No Domestic Preference Applicable: No Advance Contracting: Yes Bidding Document: Design-Build High Risk Contract: No e-GP: Yes e-GP Type: e-Bidding Comments: FIDIC Yellow Book 2017; universal procurement applied; bidding documents subject to parallel review and amended through an addendum during the bidding process, based on feedback from ADB
P29	Supply of bearings	9,820,000.00	OCB	Prior	1S2E	Q1 / 2020	Non-Consulting Services: No Advertising: International No. Of Contracts: 2 Prequalification

Goods and Works							
Package Number	General Description	Estimated Value (in US\$)	Procurement Method	Review	Bidding Procedure	Advertisement Date (quarter/year)	Comments
	<p>Lot 1: Design, manufacture, supply and supervision of installation of spherical bearings for elevated viaduct from SKK to Sahibabad and Shatabdi Nagar to Modiupram</p> <p>Lot 2: Design, manufacture, supply and supervision of installation of spherical bearings for elevated viaduct from Duhai to Shatabdi Nagar</p>	<p>4,280,000.00</p> <p>5,540,000.00</p>					<p>of Bidders: No</p> <p>Domestic Preference Applicable: No</p> <p>Advance Contracting: Yes</p> <p>Bidding Document: Goods</p> <p>High Risk Contract: No</p> <p>e-GP: Yes</p> <p>e-GP Type: e-Bidding</p> <p>Comments: ADB SBD Goods; universal procurement applied</p>

Consulting Services							
Package Number	General Description	Estimated Value (in US\$)	Selection Method	Review	Type of Proposal	Advertisement Date (quarter/year)	Comments
None							

C. List of Indicative Packages (Contracts) Required Under the Project

The following table lists goods, works, non-consulting and consulting services contracts for which procurement activity is expected to commence beyond the procurement plan duration and over the life of the project (i.e., those expected beyond the current procurement plan duration).

Goods and Works						
Package Number	General Description	Estimated Value (in US\$)	Procurement Method	Review	Bidding Procedure	Comments
P30	Feeder system enhancement/last mile connectivity	10,470,000.00	OCB	Prior	1S2E	Non-Consulting Services: No Advertising Type: International No. Of Contracts: 1 Prequalification of Bidders: No Domestic Preference Applicable: No Bidding Document: Goods e-GP: Yes Comments: Q4 2022; universal procurement applied

Consulting Services						
Package Number	General Description	Estimated Value (in US\$)	Selection Method	Review	Type of Proposal	Comments
C1	Training consultancy for capacity building	430,000.00	QCBS	Prior	STP	Non-Consulting Services: No Type: Firm Advertising: National Quality-Cost Ratio: 70:30 e-GP: No Comments: Q2 2020
C2	Training consultancy for operations	1,300,000.00	QCBS	Prior	FTP	Non-Consulting Services: No Type: Firm

Consulting Services						
Package Number	General Description	Estimated Value (in US\$)	Selection Method	Review	Type of Proposal	Comments
						Advertising: International Quality-Cost Ratio: 70:30 e-GP: No Comments: Q2 2022; universal procurement applied
C3	Training consultancy for asset management	860,000.00	QCBS	Prior	FTP	Non-Consulting Services: No Type: Firm Advertising: International Quality-Cost Ratio: 70:30 e-GP: No Comments: Q3 2022; universal procurement applied

D. Non-ADB Financing

The following table lists goods, works, non-consulting and consulting services contracts over the life of the project, financed by Non-ADB sources.

Goods and Works					
General Description	Estimated Value (cumulative)	Estimated Number of Contracts	Procurement Method	Comments	
Widening of roads from CH. 23700 to 29000	970,000.00	1	OCB	Government funding; OCB national; awarded 18 Apr 2018	
Widening of roads from CH. 29000 to 33000	870,000.00	1	OCB	Government funding; awarded 18 Apr 2018	
Carrying out of initial pile load test on piles for viaduct in the section from Vaishali to Duhai section	440,000.00	1	OCB	Government funding; OCB national; awarded 18 Dec 2018	
Construction of office complex near SKK, New Delhi	410,000.00	1	OCB	Government funding; OCB national; awarded 7 Mar 2019	
P2: Construction of elevated viaduct incl. 2 stations from end-Ghaziabad station to	79,300,000.00	1	OCB	Government funding; OCB international; awarded 26 Apr 2019	

Goods and Works				
General Description	Estimated Value (cumulative)	Estimated Number of Contracts	Procurement Method	Comments
EPE crossing excluding finishes and PEB				
P1: Construction of elevated viaduct incl. 2 stations from start of elevated ramp near Sahibabad station to end of Ghaziabad station excluding finished and PEB	75,930,000.00	1	OCB	Government funding; OCB international; awarded 8 Aug 2019
Carrying out initial pile load test in the section from SKK to Anand Vihar and connecting line from SKK to Stabling Yard at Jangpura for Delhi-Ghaziabad-Meerut RRTS Corridor	830,000.00	1	OCB	Government funding; OCB national; awarded 12 Feb 2020
Initial pile load testing work in Shatabdi Nagar-Modipuram section of Delhi-Meerut RRTS Corridor	750,000.00	1	OCB	Government funding; OCB national; awarded 24 Dec 2019
Construction of buildings/structures for CPRI, SVPDAT & IIFSR in Meerut for implementation of Delhi-Ghaziabad-Meerut RRTS Corridor	1,190,000.00	1	OCB	Government funding; OCB national; awarded 20 Jan 2020
Construction of RCC storm water drain and laying of cross drainage pipe from EPE to Shatabdi Nagar ch-33100 m to 64100 m, section of Delhi-Ghaziabad-Meerut RRTS Corridor	870,000.00	1	OCB	Government funding; OCB national; advertised 7 Mar 2020
Shifting of electric lines of UPPTCL (CH. 15000-23000 m)	460,000.00	1	OCB	Government funding; OCB national; awarded 15 May 2018
Shifting of electric lines of UPPTCL (ch 23000-33000 m)	480,000.00	1	OCB	Government funding; OCB national; awarded 27 Apr 2018
Cloud-based common data environment supporting BIM for NCRTC projects	480,000.00	1	OCB	Government funding; OCB international; awarded 24 May 2019
Miscellaneous works from Sahibabad to Duhai	990,000.00	1	OCB	Government funding; OCB national; awarded 8 Mar 2019
Road widening from Duhai to Meerut bypass, 33100-49300 m	3,130,000.00	1	OCB	Government funding; OCB national; awarded 27 May 2019
Road widening fm Modinagar to Meerut bypass, CH 49300-58300 m	1,940,000.00	1	OCB	Government funding; OCB national; awarded 18 Jun 2019
Procurement of bearings for elevated corridor for Delhi-Ghaziabad-Meerut RRTS Corridor of NCRTC	2,360,000.00	1	OCB	Government funding; OCB international; awarded 14 Sep 2019

Goods and Works				
General Description	Estimated Value (cumulative)	Estimated Number of Contracts	Procurement Method	Comments
Widening of Delhi-Meerut Road fm Meerut Bypass to Shatabdi Nagar (ch 59050 to 63600 m)	1,080,000.00	1	OCB	Government funding; OCB national; awarded 6 Sep 2019
Execution of civil and electrical works required at preconstruction stage along RRTS alignment from Shatabdi Nagar ramp (ch. 64100) to Modipuram (incl. depot [ch. 82500]) for Delhi-Meerut RRTS Corridor	640,000.00	1	OCB	Government funding; OCB national; awarded 28 Oct 2019
Widening of existing NH-119 from Gandhi Bagh Chauraha, Meerut to Modipuram flyover, Meerut (RRTS ch. 71200 to 7580 m) for Delhi-Ghaziabad-Meerut RRTS Corridor	1,370,000.00	1	OCB	Government funding; OCB national; advertised 18 Jul 2019
Construction of foot-over bridge (FOB) at various locations from Ghaziabad (Meerut Tiraha) to Meerut Bypass along the alignment of Delhi-Ghaziabad-Meerut RRTS Corridor	950,000.00	1	OCB	Government funding; OCB national; awarded 24 Jan 2020
Execution of enabling works (civil and E&M) from end of EPE to end of Shatabdi Nagar station (ch 33100 to 63450 m) section of Delhi-Meerut RRTS Corridor	1,240,000.00	1	OCB	Government funding; OCB national; awarded 27 Feb 2020
Miscellaneous works in the section from SKK to Sahibabad	470,000.00	1	OCB	Government funding; OCB national; awarded 8 Jul 2019
Design, manufacture, supply, installation, testing and commissioning of rolling stock for Delhi-Meerut Corridor	344,290,000.00	1	OCB	Government and NDB funding; OCB international; advertised 24 Aug 2019
Utility shifting of PVVNL infringing Duhai to Murad Nagar (CH. 33000 to 40200)	1,090,000.00	1	OCB	Government funding; OCB national; awarded 7 Mar 2019
Utility shifting of PVVNL infringing Murad Nagar to Modinagar CH 40200-540000	1,120,000.00	1	OCB	Government funding; OCB national; awarded 24 May 2019
Shifting/diversion of existing water supply pipelines, sewer and storm water drains at SKK for the proposed Delhi-Ghaziabad-Meerut RRTS Corridor	2,210,000.00	1	OCB	Government funding; OCB national; advertised 19 Aug 2019
Shifting/modification of electrical utilities of 33kV, 11kV, LT lines, transformers, etc., of PVVNL and MES, infringing Delhi-Ghaziabad-Meerut RRTS Corridor of NCRTC	2,240,000.00	1	OCB	Government funding; OCB national; advertised 24 Sep 2019

Goods and Works				
General Description	Estimated Value (cumulative)	Estimated Number of Contracts	Procurement Method	Comments
(ch. 64500-75700 [Shatabdi Nagar to Modipuram flyover, Meerut])				
Shifting/modification of electrical utilities of 33kV, 11kV, LT lines, transformers, etc., of PVVNL, infringing Delhi-Ghaziabad-Meerut RRTS Corridor (ch 54000 to 64500) (Mohiuddinpur Modinagar)-Shatabdi Nagar	1,780,000.00	1	OCB	Government funding; OCB national; advertised 5 Nov 2019
Shifting/modification of electrical utilities of 33kV, 11kV, LT lines, transformers, etc., of PVVNL, infringing Delhi-Ghaziabad-Meerut RRTS Corridor of NCRTC (ch 75700 to 82800) (Meerut bypass) (near Modipuram flyover) to Modipuram depot	1,570,000.00	1	OCB	Government funding; OCB national; advertised 5 Nov 2019
Design, engineering, manufacture, supply, installation, testing and commissioning incl. any civil works of solar power systems, incl. comprehensive operation and maintenance for Delhi-Ghaziabad-Meerut RRTS Corridor of NCRTC	1.00	1	OCB	Q2 2020; government funding; OCB international; RESCO contract type
Design, supply, installation, testing and commissioning of signaling train control system and telecommunication system	139,990,000.00	1	OCB	Q2 2020; government and NDB funding; OCB international
Design, manufacture, supply, installation, testing and commissioning of automatic fare collection system for Delhi-Ghaziabad-Meerut RRTS Corridor of NCRTC	1.00	1	OCB	Q3 2020; government funding; PPP contract type
Civil works for the construction of toilets	210,000.00	1	OCB	Q3 2020; international advertisement; 1S2E prior review; JFPR grant
Procurement of equipment (e-rickshaw, assistive aids, etc.)	450,000.00	1	OCB	Q3 2020; international advertisement; 1S2E prior review; JFPR grant
Construction of multistoried staff quarters (incl architectural finishing, E&M, external development and related facilities) and connectivity from Mathura Road to Jangpura stabling yard complex	39,810,000.00	1	OCB	Q2 2020; government and NDB funding; OCB international

Consulting Services				
General Description	Estimated Value (cumulative)	Estimated Number of Contracts	Recruitment Method	Comments
Consultancy services for safe mobility of women, elderly, differently-abled provided in Ghaziabad, Modinagar, and Meerut	1,230,000.00	1	QCBS	Q3 2020; international advertisement; 90:10 prior review; JFPR grant
Consultancy services for increased awareness on safe mobility, self-defense and improved employability skills for 900 female students in selected technical institutes along the RRTS corridor	430,000.00	1	QCBS	Q3 2020; international advertisement; 90:10; prior review; JFPR grant
Engagement of DDC for detailed design of 2 RRTS elevated stations (SKK and New Ashok Nagar) incl. multimodal integration scheme, approx 11 km of elevated viaduct (fm SKK to elevated RRTS ramp near Khichripur and SKK to Jangpura stabling yard)	2,200,000.00	1	QCBS	International advertisement; awarded 8 Jul 2019 to M/s Tandon Consultants Pvt. Ltd.- Fountainhead JV
Engagement of detailed design consultant for design of track structure	520,000.00	1	QCBS	International advertisement; awarded 7 May 2019 to JV M/s Korea Railroad Technical Corp. & M/s Primerail
Engagement of track system provider	7,940,000.00	1	QCBS	International advertisement; awarded 12 Dec 2019 to M/s PORR Bau GmbH
Engagement of general consultant (GC) for Delhi-Ghaziabad-Meerut RRTS Corridor	39,410,000.00	1	QCBS	International advertisement; awarded 25 Apr 2019 to Consortium M/s Ayesa Ingenieria, ITALFERR
Provision of consultancy services for assistance in planning and implementation of RRTS in NCR	390,000.00	1	QCBS	International advertisement; awarded 17 Jul 2019 to M/s EY-M/s Ernst & Young LLP
Consultancy services for establishment of project monitoring and strategic support unit (PMSSU) for implementation of RRTS in NCR	1.00	1	QCBS	International advertisement; advertised 31 Oct 2019
Independent safety assessment of systems of NCRTC for Delhi-Meerut RRTS Corridor	1.00	1	QCBS	International advertisement; advertised 7 Apr 2020
Engagement of DDC for detailed design and drawings of 4 nos. of elevated RRTS stations (Sahibabad, Ghaziabad, Guldhar, Duhai) in the section fm. Sahibabad ramp to EPE crossing and maintenance depots at Duhai and Modipuram for Delhi-Meerut RRTS corridor	1,030,000.00	1	QCBS	International advertisement; awarded 27 Feb 2019 to M/s Ayesa India Pvt. Ltd.
Engagement of DDC for	2,480,000.00	1	QCBS	International advertisement;

Consulting Services				
General Description	Estimated Value (cumulative)	Estimated Number of Contracts	Recruitment Method	Comments
civil, architectural and E&M works for the design of 5 elevated RRTS stations (Murad Nagar and Modinagar [south], Modi Nagar [north], Meerut South, Shatabdi Nagar) and 2 MRTS stations (Partapur and Rithani) and elevated viaduct				awarded 5 Mar 2019 to M/s Systra MVA Consulting (India) Pvt. Ltd. in consortium with Systra
Engagement of DDC for civil, architectural and E&M works for the design of 1 RRTS station (Modipuram) and 4 MRTS stations (Brahmpuri, MES Colony, Dauri, Meerut North) and approx 9.76 km viaduct after Shatabdi Nagar to Modipuram depot	620,000.00	1	QCBS	International advertisement; awarded 19 Nov 2019 to M/s Systra MVA Consulting (India) Pvt. Ltd. in consortium with Systra
Provision of interim DDC services for a part of Delhi-Ghaziabad-Meerut RRTS in NCR	930,000.00	1	QCBS	International advertisement; awarded 3 Aug 2017 to consortium of M/s Egis Rail, SA, M/s Ingenieriy Economica del Transport SA (INECO), M/s Egis India Consulting Engineers Pvt. Ltd.
Provision of expert consultancy services for the implementation of RRTS in NCR	920,000.00	1	QCBS	National advertisement; awarded 23 Nov 2016 to M/s Delhi Metro Rail Corp. Ltd.
Technical advisory for procurement of rolling stock of Delhi-Ghaziabad-Meerut RRTS	600,000.00	1	QCBS	National advertisement; awarded 17 Oct 2018 to M/s Delhi Metro Rail Corporation Ltd.