

STATUS OF EAST-WEST METRO CORRIDOR PROJECT

CONSULTATION MEETING OF METRO BODIES

RDSO, LUCKNOW

29TH JUNE 2012

Final Selection of Alignment



LEGEND

- Underground
- Elevated

Inter Station Distances , Running time & Fare(Proposed)

Inter station	Distance (Km)	Run time (min)	Fare (Rs)
Howrah- Mahakaran	1.68	1.95	7
Howrah-Central	2.65	3.66	10
Howrah-Sealdah	4.1	5.97	10
Howrah -SectorV	13.02	20.76	16
Sealdah-Salt lake Stadium	4.02	5.20	10
Sealdah-City Centre	5.99	8.54	11
Sealdah- Sector V	8.93	14.04	13
Sealdah-howrah Maidan	5.15	8.12	11
Howrah-Karunamoyee	11.8	18.62	15
Karunamoyee- City centre	1.71	3.02	7

Current Status of Land Acquisition

Sub-Project	Area (Acre)	Compensation money placed by KMRCL to LA Collector	Proposal		Possession handed over to KMRCL (Acre) with date	Status of remaining area	Award amount with no. of awardees	Award disbursed with number of awardees & No of awardees
			Date of Submission	Premises Number				
Construction of Mahakaran Station	0.2543	Rs. 5,39,59,779.00	03.07.08 22.07.08	21 & 19 Brabourne Road	0.2543 Ac on 18.05.09 & 24.03.10	NIL	Rs. 5,39,59,779.00 (36 awardees)	Rs. 5,39,59,779.00 (36 awardees)
Construction of Rehabilitation building for Mahakaran	0.2557	Rs. 5,28,79,922.00	19.06.08	21 Sukeas lane	0.2557 Ac on 22.09.09	NIL	Rs. 5,28,79,922.00 (7 awardees)	Rs. 5,28,79,922.00 (7 awardees)
Construction of Central Station	1.0673	Rs. 26,78,88,742.00	02.09.08 08.09.08 01.01.10 20.08.10	38 to 43/2 B.B. Ganguly Street, 44 to 52 ,52/1B, 52/3 , 40(P),41(P) BB Ganguly St & 34,36 Robert St.	0.9007 Ac on 15,02.12 & 09.03.12	out of 0.1666 Ac of land 0.0780 Ac U/s-6 0.886 Ac U/S-4 of L.A. Act have been completed	Rs 26,30,02,392.00 (208 awardees)	Rs 20,92,51,641 (70 awardees)
Construction of Rehabilitation Building for Central Station	0.2517	Rs. 50,00,000.00	13.04.11	277 & 278 B.B. Ganguly St	NIL	Notification u/s -4 has not yet been done as govt approval is pending.		
Construction of Entry Structure of Phoolbagan station	0.1216	Rs 14,78,930.00	03.12.09	43K Narkeldanga Main Road	NIL	Notification u/s -6 has been completed.		
Receiving sub-station at Bengal Chemicals	0.4882	Rs 50,00,000.00	21.03.11	157A M.M. Road		Notification u/s- 4 completed. Objection hearing u/s-5A will be adjourned on 06.07.12		

Release of Funds by Gol, GoWB and JICA

Updated till 31st May 2012

Sl No.	Head of A/c	Govt. of India (Rs in crore)	Govt. of West Bengal (Rs in crore)	JICA Loan (Rs in crore)	Total (Rs in crore)
1	Contribution towards equity	234.00	146.50	-	380.50
2	Subordinate debt	64.00	96.00	-	160.00
3	JICA Loan	-	-	466.71	466.71
4	Total (1+2+3)	298.00	242.50	466.71	1007.21
5	Total Expenditure	-	-	-	959.23

Break up of the expenditure

SI No.	Item/Contract	Tender Value	Expenditure (Cr) from 1.4.2011 to 31.3.2012	Expenditure (Cr) till 31.05.2012
1	Land & R&R	-	4.19	52.37
2	General Consultant	215	29.08	131.00
3	Elevated Viaduct	212	42.17	200.38
4	Elevated Stations EWS1	53	27.96	71.07
5	Elevated Stations EWS2	48	15.62	50.04
6	Underground UG1	938	57.85	154.67
7	Underground UG2	909	43.51	160.62
8	Depot Contracts	148	3.98	12.18
9	Power Supply	176	17.59	17.59
10	Signal & Telecommunication	292	0.00	0.00
8	Others & Miscellaneous	-	56.04	108.80
	Total	2991	297.99	959.23
	Financial Progress		6.11%	19.68%

STATUS OF THE PACKAGES

DESCRIPTION OF PACKAGES	ESTIMATED COST AS PER APPROVED DPR (IN INR CR)	STAGE of TENDER	Contract Award Date	PIP April'12 Award Date	Status as on June 12	Delay in award Days
	'b'					
Power supply along entire alignment	157.92	Awarded	30-Dec-10	30-Dec-10	Preliminary Design is in Progress	None
Underground tunnelling work with construction of 3 stations between Howrah Maidan and Central (excluding)	858.12	Awarded	12-Mar-10	12-Mar-10	In progress	None
Under ground tunnelling work with construction of 3 stations between Central station and Subhas sorbar.	998.81	Awarded	09-Feb-10	09-Feb-10	In progress	None
Viaduct of Elevated portion	154.5	Awarded	02-Mar-09	02-Mar-09	In progress	None
Construction of 3 stations Central Park, Karunamayee, Salt Lake Sector V	37.5	Awarded	23-May-09	23-May-09	In progress	None
Construction of 3 stations Salt lake stadium, Bengal Chemical, City Centre	37.5	Awarded	23-May-09	23-May-09	In progress	None
Central Park Depot for RS maintenance	280.00	Awarded	18-Aug-10	18-Aug-10	In progress	None
Detailed Design of 6 Elevated stations	3.15	Awarded	05-Jun-09	-	In progress	None

STATUS OF THE PACKAGES

SL. NO.	NAME OF THE PACKAGE	DESCRIPTION OF PACKAGES	ESTIMATED COST AS PER APPROVED DPR (IN INR CR)	STAGE of TENDER	PIP April'12	Status as on June 12	Delay
	'a'		'b'				
9	TVS	Tunnel Ventilation System	72 (Cost of this package has already been included in the UG-1 & UG-2 Package)	PQ Completed, 3 firms shortlisted	LOA 1Sep12	1) Tender documents issued to short listed tenderers on 12 June 12. 2) Tender closing date is 27 August 2012. 3) Expected LOA date 1 September 12	None
10	ECS	Environmental Control System	95 (Cost of this package has already been included in the UG-1 & UG-2 Package)	PQ Completed, 3 firms shortlisted	Tendering Period 1 Nov 12- 29July13	1) PIP April 12 is extended due to delay in KD02 design. 2) for Central and Mahakaran Architectural drawings are yet to be commenced as awaiting Works Area handover. the ECS Tender could be floated enclosing Detailed design for 4 U/G stations and enclosing preliminary Architectural drawings for Central and Mahakaran and covering it up by writing the detailed Scope of work.	Dependent on policy towards Central and Mahakaran Stations
11	UG-E&M	Electrical & Mechanical Works of 6 Underground stations	117.74 (Cost of this package has already been included in the UG-1 & UG-2 Package)	PQ Completed, 7 firms shortlisted	Tendering Period 1 Oct 12- 28 June13	As for ECS above.	As for ECS above.
12	EL-E&M	Electrical & Mechanical Works of 6 Elevated stations	17.11 (Cost of this package has already been included in the UG-1 & UG-2 Package)	Contract Agreement signed on 23 rd April 2012.	Awarded March'12	1) LOA 13 March12 2) Contract Agreement signed on 23 rd April 12	None
13	L&E	Lifts & Escalators	59	Re tender under process. 5 bids received which are currently under evaluation.	Tendering Period 6 Sep12- 3 June13	PQ-UG/EL-L & E tender exercise has been completed. Out of five bidders participated, four have been shortlisted. Results declared on 26 th June 2012	None

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	'a'		'b'				
14	PSD	Platform Screen door	82.3	PQ completed, 5 firms shortlisted.	Tendering Period 6 June12- 3 March13	Draft Tender documents were issued to all the three (3) short-listed Bidders on 4th February 2012 for their review. A Pre-Bid meeting with the short listed Bidders was held on 15th February 2012. Practically no comments were received from the Bidders. The Final tender document is in the process of compilation. However, KMRC has asked GC to "Hold"	-
15	ROOFING	Roof work of 6 Elevated stations	47.99	Re tender under process	LOA 1 Oct 12	Awaits direction from KMRCL. The completion of the roof must precede trackwork installation.	Depends on KMRCL instructions.
16	ARCH	Finish work of 6 Elevated stations		Re tender under process			
17	TRACK	Track work of entire alignment including Depot track	82.94	Technical Bid opened – Evaluation in process	LOA 15 July12	1) Tender opening 17 Apr 12. GC has put up the recommendation to KMRC to approve the technical evaluation report. 2) Expected LOA Date 15 July12	None
18	AFC	Automatic Fare Collection system	43.02	PQ Finalised and Main tender sold to qualified bidders	LOA 15 Nov.12	Under Bidding Stage. Bids close on 24 August 2012. Expected LOA 24 Dec12	Dependent on time for evaluation and award.
19	RS	Rolling stock	467.2	Technical evaluation completed. Financial evaluation under process for contract RS(2R)	Awarded June 2011	LOA inked on 18 th June 2012. Contractor (Consortium of CAF & MELCO). [contractor have submitted unconditional acceptance of LoA. Contract agreement is under preparation)	None
20	ATC,S&T	Signal & Telecommunication and Train control system	134.72	Awarded	Awarded Sept 2011	Award date 5 September 11	None
21	STATION SECURITY	Station Security	10	No action	-	-	-

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SL. NO.	NAME OF THE PACKAGE	DESCRIPTION OF PACKAGES	ESTIMATED COST AS PER APPROVED DPR (IN INR CR)	STAGE of TENDER
	'a'		'b'	
	TOTAL		3635.52	
22	OTHER COST	ESCALATION	364.00	
		INTEREST	234.00	
		TAX & DUTY	300.00	
		CONTINGENCY	180.00	
		LAND COST	126.06	
		COST TO BE PAID TO E.R.	30.00	
		Provision for Interim Consultancy Charges	5.00	
		COST TO BE PAID TO E.R.	30.00	
		Provision for Interim Consultancy Charges	5.00	
		Design Charges	39.24	
		Grand Total	4874.58	

Physical and Financial Progress of Awarded Packages

Sl. No.	Name of the package	Description of packages	Awarded cost in Crores of Rupees	Contractor	Award date	Physical progress	Financial progress
						%	%
1	PS	Power supply for entire alignment	174.63 (inclusive of taxes and duties)	SIEMENS	Dec-10	36.5	10.00
2	UG-1	Under ground tunnelling work with construction of 3 stations between Howrah Maidan and Central (Excluding)	938.00	TTA-AFCONS JV	Mar-10	11.00	16.49
3	UG-2	Under ground tunnelling work with construction of 3 stations between Central station and Subhas Sorbar.	908.63	ITD-ITD CEM JV	Feb-10	16.00	17.68
4	EL VIA	Via duct of Elevated portion	212.54	GAMON	Feb-09	95.50	94.52
5	EL STATION-1	Construction of 3 stations Central Park, Karunamayee, Salt Lake Sector V	53.07	SIMPLEX	May09	97.40	134.09 (Due to Variation)
6	EL STATION-2	Construction of 3 stations Salt lake stadium, Bengal Chemical, City Centre	47.94	SIMPLEX	May09	96.00	105.00 (Due to Variation)
7	DEPOT	Central Park Depot for RS maintenance	145.00	CCCPL	Aug-10	15.00	8.23

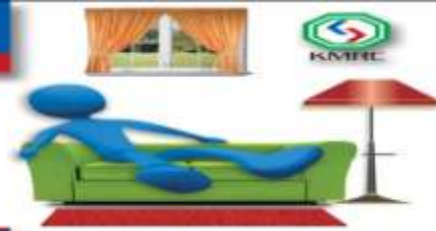
Images of Progress....

East-West Metro

...fast-tracking Kolkata

East-West Metro ... in 4 years will carry 500000 passengers a day!

In air-conditioned comfort...with unfailing reliability.



Phoolbagan

East-West Metro

...fast-tracking Kolkata

East-West Metro ... for a Clean Kolkata,
a Green Kolkata

... reducing traffic on the overcrowded
streets of Kolkata!



Images of Progress....



Tunnel

East-West Metro

...fast-tracking Kolkata

**East-West Metro ... Zoom Across
Our Kolkata in 30 minutes!**

Imagine *saving at least 200000 hours
of travel time in a day (or 60000000 hours
in a year) ... what an improvement
in productivity for our Bangla!*



Images of Progress....



Tunnel

East-West Metro

...fast-tracking Kolkata

**East-West Metro ... a Technological
Marvel Kolkatans should be Proud Of!**

... Computerized Train Operation, Automatic
Train Control and Automatic Train Supervision
... **Eliminating Human Errors!**



Images of Progress....



Tunnel Progress

Your Safety First ... and Last!

Best Standards in the world for your Safety ...
Platform Screen Doors to keep you away from
the tracks and evacuation in maximum
6 minutes in case of emergency!



Images of Progress....



Crossover in Elevated Viaduct



Erected Segmental Span

Images of Progress....

East-West Metro

...fast-tracking Kolkata

On time, every time

If you miss a train by a whisker, don't worry!
You will get the next one in **2½ minutes flat!**



Concourse Slab Excavation
Work at Phoolbagan



Instrumentation Work at Phoolbagan

Images of Progress....

East-West Metro

...fast-tracking Kolkata

**Connecting Howrah and Sealdah
Railway stations – two of the busiest
stations in the world**

serving 24,00,000 passengers a day

... and connecting to the only International
Bus Terminus at Salt Lake!



TBM - Installed

Change of Alignment

- A proposal for change of alignment of the underground section in the Kolkata East-West Metro has been mooted.
- The proposed alternate alignment has the potential of greater demand for ridership.
 - the underground contracts have already been awarded and work has progressed (though not in the stretch where realignment is sought)
 - there could be an additional cost of Rs. 400 to Rs. 450 crore
 - land has been substantially acquired for the stations as per the original alignment
 - in the new alignment, the Esplanade Station is proposed in MoD's Blue Zone
- What could be a practical way forward?