
Annexure -4 of Addendum no. 2

Attachment - 3/R : Project Information

Gujarat Metro Rail Corporation (GMRC) Limited is a special purpose vehicle of the Government of Gujarat set up for the purpose of implementing the Ahmedabad Metro Rail Project

Table 1.1: Ahmedabad Metro Corridors

Sl. No.	Corridor	Route length (Km)		No. of stations	
		Elevated	Underground	Elevated	Underground
1.	Koteshwar Road (excluding) to Airport	5.11	0.92	4	1
2.	GIFT City (excluding) to Shahpur	3.3	--	3	--
	Total	8.34Kms	0.92 kms	7 nos.	1 No.

Table 1.2: Details of stations, Phase 2A

Sl. No.	Station Name	Chainage (m)
1.	Ashram road	616.306
2.	Koteshwar prachin mandir	2006.738
3.	Sabarmati river	2753.866
4.	Sardarnagar	4236.484
5.	Airport	5887.055

Table 1.3: Details of stations, Phase 2B

Sl. No.	Station Name	Chainage (m)
1.	GIFT City House	5908.95
2.	Gujarat Biotechnology University	7132.68
3.	Shahpur	7864.29

1.1 Some of the salient technical features of the project are given in Table 1.4 below :-

Table 1.4: Salient technical features of the project of Phase 2A and Phase 2B

Sl. No.	Item Description	Particulars
1.	Gauge	Standard Gauge (1435 mm)
2.	Rails	60 kg UIC
3.	Track Structure	Ballastless (Mainline) Ballasted with PRC Sleepers (Depot lines)
4.	Traction & Power Supply	750 V DC Third Rail bottom collection with SCADA System
5.	Signalling & Train Control	CBTC (Communication based Train Control System) includes ATP (Automatic Train Protection), ATO (Automatic Train Operation) and ATS (Automatic Train Supervision)
6.	Telecommunication	Terrestrial Trunked Radio (TETRA) Communication System & SCADA for support systems control with Gigabit Ethernet network backbone
7.	AFC	Automatic Fare Collection System with Passenger Operated Machine (POM) and Smart card
8.	Speed	Designed Speed – 90 kmph
9.	Axle Load	16 T
10.	Car size	2.9 m wide modern rolling stock with stainless steel body
11.	Train Composition & Capacity	3 coach unit: DMC + TC + DMC
12.	Train Capacity	Normal - 764 Passenger Crush - 972 Passengers

Table 1.5: Ahmedabad Metro Phase III A Corridor

Sl. No	Corridor	Route length (km) Elevated	No. of stations Elevated
1.	Thaltej Gam to Canal road station	3.313	3
2.	Godhavi to Canal Road	7.505	6
	Total	10.818 Kms	9 nos.

1.2 Some of the salient technical features of the project are given in Table 1.6 below :-

Table 1.6: Salient technical features of the project of Phase 3A

Sl. No.	Item Description	Particulars
1.	Gauge	Standard Gauge (1435 mm)
2.	Rails	60 kg UIC
3.	Track Structure	Ballastless (Mainline) Ballasted with PRC Sleepers (Depot lines)
4.	Traction & Power Supply (Thaltej Gam to Canal road)	750 V DC Third Rail bottom collection with SCADA System

Sl. No.	Item Description	Particulars
4.2	Traction & Power Supply (Godhavi to Canal road)	Voltage 25 kV OHE with SCADA system
5.	Signalling & Train Control (Thaltej Gam to Canal road)	GoA 4 with CBTC (Communication based Train Control System) includes ATP (Automatic Train Protection), ATO (Automatic Train Operation) and ATS (Automatic Train Supervision)
5.2	Signalling & Train Control (Godhavi to Canal road)	ETCS GoA2/hybrid with PSD
6.	Telecommunication	Terrestrial Trunked Radio (TETRA) Communication System & SCADA for support systems control with Gigabit Ethernet network backbone and Centralized Clock System
7.	AFC	Automatic Fare Collection System with TIM and Smart card
8.	Speed (Thaltej Gam to Canal road)	Designed Speed – 90 kmph
8.2	Speed (Godhavi to Canal road)	Designed Speed – 135 kmph
9.	Axle Load (Thaltej Gam to Canal road)	16 T
9.2	Axle Load (Godhavi to Canal road)	17 T
10.	Car size (Thaltej Gam to Canal road)	2.9 m wide modern rolling stock with stainless steel body
11.	Car size (Godhavi to Canal road)	3.2 m wide modern rolling stock with stainless steel body
12.	Train Composition & Capacity	3 coach unit: DMC + TC + DMC
13.	Train Capacity (Thaltej Gam to Canal road)	Normal - 764 Passenger Crush - 972 Passengers
13.2	Train Capacity (Godhavi to Canal road)	Normal - 744 Passenger Crush - 936 Passengers

Table 1.7: Details of stations, Phase 3A (Thaltej Gam to Canal road)

Sl. No.	Station Name	Chainage (m)	Inter Station Distance (m)	Remarks
1	Dead End	-540.495	-	
2	Thaltej Shilaj Road	-945.495	986.156	Inter Station distance from Thaltej Gam (Elevated)
3	Shilaj Circle	-2397.986	1452.491	
4	Canal Road (Metro)	-3703.547	1305.561	Interchange station Metro and RRTS
5	Dead End	-3853.547	150.000	

Table 1.8: Details of stations, Phase 3B-1 (Godhavi to Canal road)

Sl. No.	Station Name	Chainage (m)	Inter Station Distance (m)	Remarks
1.	Dead End	-405.000	-	-
2.	Godhavi	0.000	-	Elevated (4 Track)
3.	Manipur Gam	1366.805	1366.805	Elevated (2 Track)
4.	Jaldhara 3	3209.317	1842.512	Elevated (4 Track)
5.	ISRO BOPAL	4674.913	1465.596	Elevated (4 Track)
6.	DPS Bopal Road	5922.334	1247.421	Elevated (4 Track)
7.	Canal Road (Namo Bharat)	6904.984	982.650	Elevated (2 Track)
8.	End of work	7100.000	-	-





