

SALIENT FEATURES

1. **Gauge** 1435 mm

2. **Corridors**
 - a) **North – South corridor** 32.65.km
(Akshardham to APMC Vasana, via Motera, Ashram Road)
 - b) **East- West corridor** 10.90 km
(Ahmedabad to Thaltej via Delhi Darwaja)

3. **Route Length (All elevated)**
 - a) **Between Centre of terminal stations**

North-South corridor	31.85 Km
East-West Corridor	9.845 Km
 - b) **Between dead ends**

North-South corridor	32.65 Km
East-West Corridor	10.90 Km

4. **Number of stations (All elevated)**

East-West Corridor	11 Nos.
North-South corridor	26 Nos. (excluding 5 future)

5. **Traffic Forecast**

Sno.	Year	PHPDT	
		E-W Corridor	N-S Corridor
1	2010	12933	12709
2	2025	17590	23237
3	2035	25862	36747

6. **Train operation**

(A) **East-West Corridor**

	<u>2010</u>	<u>2025</u>	<u>2035</u>
a) Designed PHPDT	9432	15720	18864
b) Designed Train headway	5 minutes	4 minutes	2.5 minutes
c) Operational Headway	4 minutes	3 minutes	3 minutes
d) Train Composition	3 Cars	3 Cars	3 Cars
e) Coaches required	33	54	60

(B) North-South Corridor		<u>2010</u>	<u>2025</u>	<u>2035</u>
a)	Designed PHPDT	9432	15720	32520
b)	Designed Train headway	5 minutes	4 minutes	3 minutes
c)	Operational Headway	4 minutes	3 minutes	3 minutes
d)	Train Composition	3 Cars	3 Cars	6 Cars
e)	Coaches required	87	135	270
7.	Design speed	80 kmph		
8.	Traction Power Supply			
a)	Traction system voltage	25 kV ac		
b)	Current Collection	Over Head Electrification (OHE)		
c)	Sub Station	3 No. (at Thaltej Depot, near APMC Vasna and at Sabarmati Metro Station)		
9.	Rolling Stock			
a)	2.88 m wide modern rolling stock with stainless steel body.			
b)	Axle load	-	15 t	
c)	Seating arrangement	-	Longitudinal	
d)	Capacity of 3 coach unit	-	786 Passengers	
e)	Class of accommodation	-	One	
10.	Maintenance Facilities			
	Depot cum Workshop	-	Indroda Circle	
	Stabling cum inspection depot	-	Thaltej	
11.	Signalling, Telecommunication & Train Control			
a)	Type of Signalling	Cab Signalling and Continuous Automatic Train Control (CATC) with Automatic Train Protection (ATP)		
b)	Telecommunication			
		i)	Integrated System with Fibre Optic Cable, SCADA, Train Radio, PA system etc.	
		ii)	Train information system, Control telephones and Centralised Clock System.	

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| 12. | Fare Collection | Automatic Fare Collection system with TOM, Smart card etc. |
| 13. | Construction Methodology | Elevated viaduct consisting prestressed concrete 'U'-shaped Girders on Single pier with Pile/ Open foundation |
| 14. | Total estimated cost (at June, 2004 prices w/o taxes) | Rs. 3588 Crores |
| | Cost inclusive of taxes | Rs. 4305 Crores |
| 15. | Financial Indices | |
| | a) EIRR | 26.95 % |
| | b) FIRR | 4.64 % |

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