



SMART INTER MODAL CONNECTIVITY OF AHMEDABAD METRO RAIL PROJECT

09-11-16








**METRO- LINK EXPRESS FOR
GANDHINAGAR AND AHMEDABAD
(MEGA) CO. LTD.**

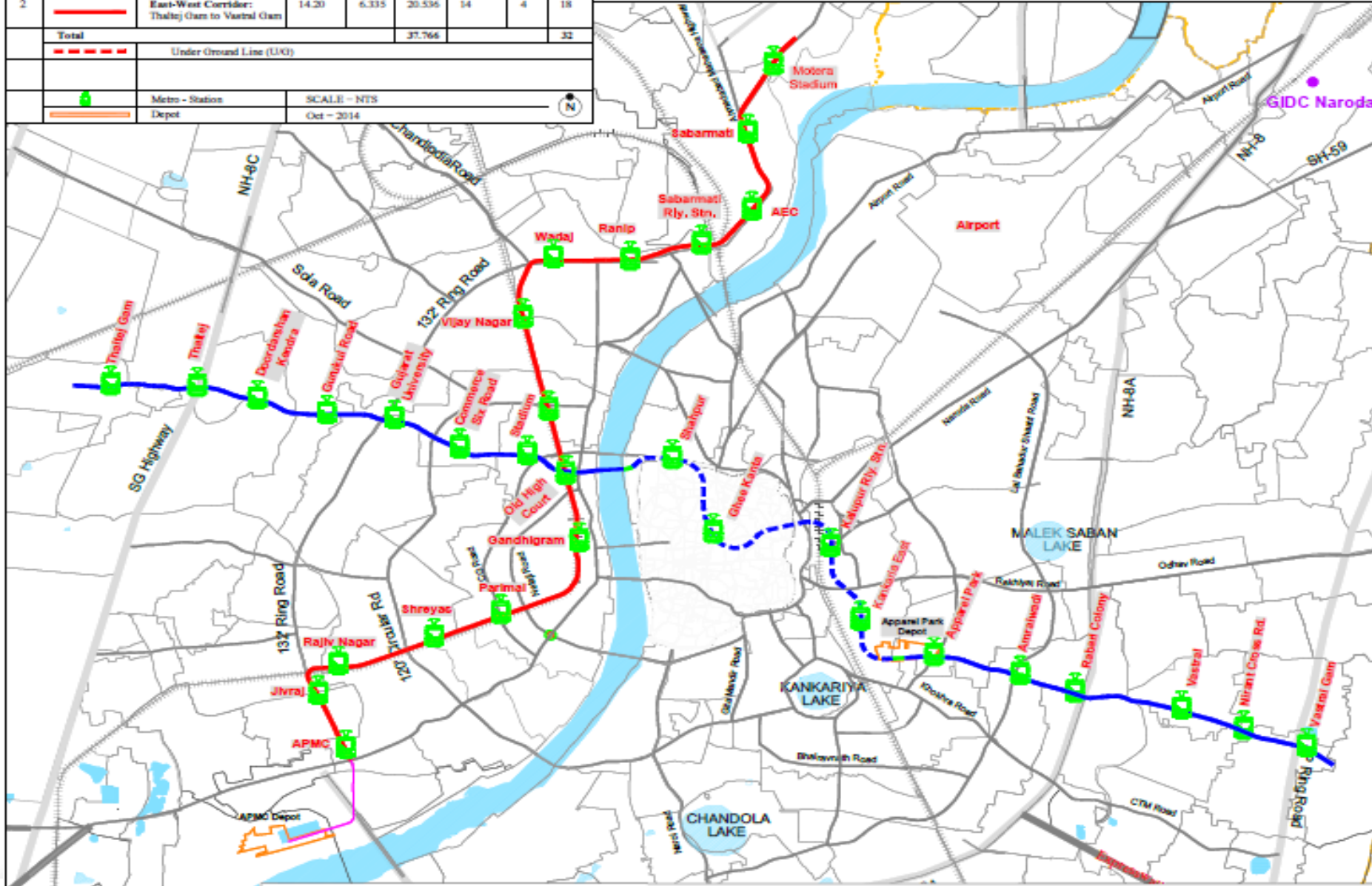
IMPORTANT MILESTONES

SR. NO	ACTIVITY	DATED
1	DPR APPROVED BY THE BOARD	24-FEB.-2014
2	DPR APPROVED BY THE GOG AND SENT TO GOI	04-APR.-2014
4	PRE-PIB MEETING HELD	17-JULY'14
5	DPR APPROVED IN PIB	19-AUG'14
6	APPROVAL OF THE PROJECT BY THE UNION CABINET	18-OCT'14
7	SANCTION ORDER ISSUED BY MOUD, GOI	17-NOV.'14
8	STATE CABINET APPROVAL OF THE CONDITIONALITY'S STIPULATED IN GOI SANCTION ORDER	31-DEC'14
9	FORMATION OF 50:50 SPV OF GOI & GOG	20-MARCH'15
10	APPOINTMENT OF GEC	OCT' 15
11	AGREEMENT WITH JICA FOR FUNDING	04-MAR'16

ALIGNMENT ROUTE MAP

1		Option Along Meter Gauge Track (N-S)	17.23	-	17.23	15	-	15
2		East-West Corridor: Thaltej Gans to Vasrai Gans	14.20	6.335	20.535	14	4	18
Total						37.766		32
			Under Ground Line (UG)					
			Metro - Station		SCALE - NTS			
			Depot		Oct - 2014			

MEGA Ahmedabad (MEGA) Co. Ltd.



FINANCING OF THE PROJECT

DETAILS	AMOUNT (IN INR)
EQUITY OF GOVT. OF INDIA	1990 CR.
EQUITY OF GOVT. OF GUJARAT	1990 CR.
ODA/LOAN (JICA)	6066 CR.
SUB-ORDINATE DEBT (SD) FROM GOG	727 CR.
TOTAL PROJECT COST – 10,773 CR	

PROJECTED DAILY RIDERSHIP

DAILY RIDERSHIP				
CORRIDOR/YEAR	2018	2021	2031	2043
NORTH SOUTH CORRIDOR	215678	297240	492666	739115
EAST WEST CORRIDOR	280415	372580	630776	861947
TOTAL	496093	669820	1123442	1601062
PHPDT				
CORRIDOR/YEAR	2018	2021	2031	2043
NORTH SOUTH CORRIDOR	8121	10463	17245	25425
EAST WEST CORRIDOR	11290	13902	21994	30092

INTERCHANGE WITH OTHER MODES

- **A TRANSPORT INTERCHANGE IS A PLACE WHERE PASSENGERS AND GOODS ARE EXCHANGED BETWEEN VEHICLES OR BETWEEN TRANSPORT MODES.**
- **INTERCHANGES PERMIT RIDERS FROM PARTICULAR MODE OF TRANSPORT TO MOVE AND BOARD SAME OR DIFFERENT MODE IN ORDER TO REACH THEIR DESIRED DESTINATION. INTERCHANGES CAN BE OF SEVERAL TYPES, DEPENDING ON AVAILABLE MODES OF TRANSPORT. TRANSFER MAY HAPPEN BETWEEN THE SAME MODES OR AMONG DIFFERENT AVAILABLE PUBLIC TRANSPORT.**
- **METRO STATIONS MAY HAVE INTERCHANGE WITH BRTS, AMTS AND EVEN RAIL.**

INTERCHANGE WITH OTHER MODES

- **SOME OF THE IDENTIFIED TYPES OF INTERCHANGES ALONG THE AHMEDABAD METRO CORRIDOR ARE AS FOLLOVED;**
 1. **METRO - METRO INTERCHANGE; CONNECTING PARTICULAR METRO CORRIDOR WITH ANOTHER METRO CORRIDOR**
 2. **METRO- BRTS INTERCHANGE; CONNECTING METRO STATION WITH BRTS**
 3. **METRO - AMTS INTERCHANGE; CONNECTING METRO WITH AMTS**
 4. **METRO – RAIL INTERCHANGE; CONNECTING METRO WITH RAIL**
- **AHMEDABAD METRO IS A SPECIAL PURPOSE VEHICLE (SPV) UNDER METROLINK EXPRESS FOR GANDHINAGAR AND AHMEDABAD (MEGA), BRTS IS ALSO AN SPV UNDER AHMEDABAD JANMARG LIMITED (AJL), AMTS IS UNDER AHMEDABAD MUNICIPAL CORPORATION (AMC) AND RAILWAYS COMES UNDER INDIAN RAILWAYS.**

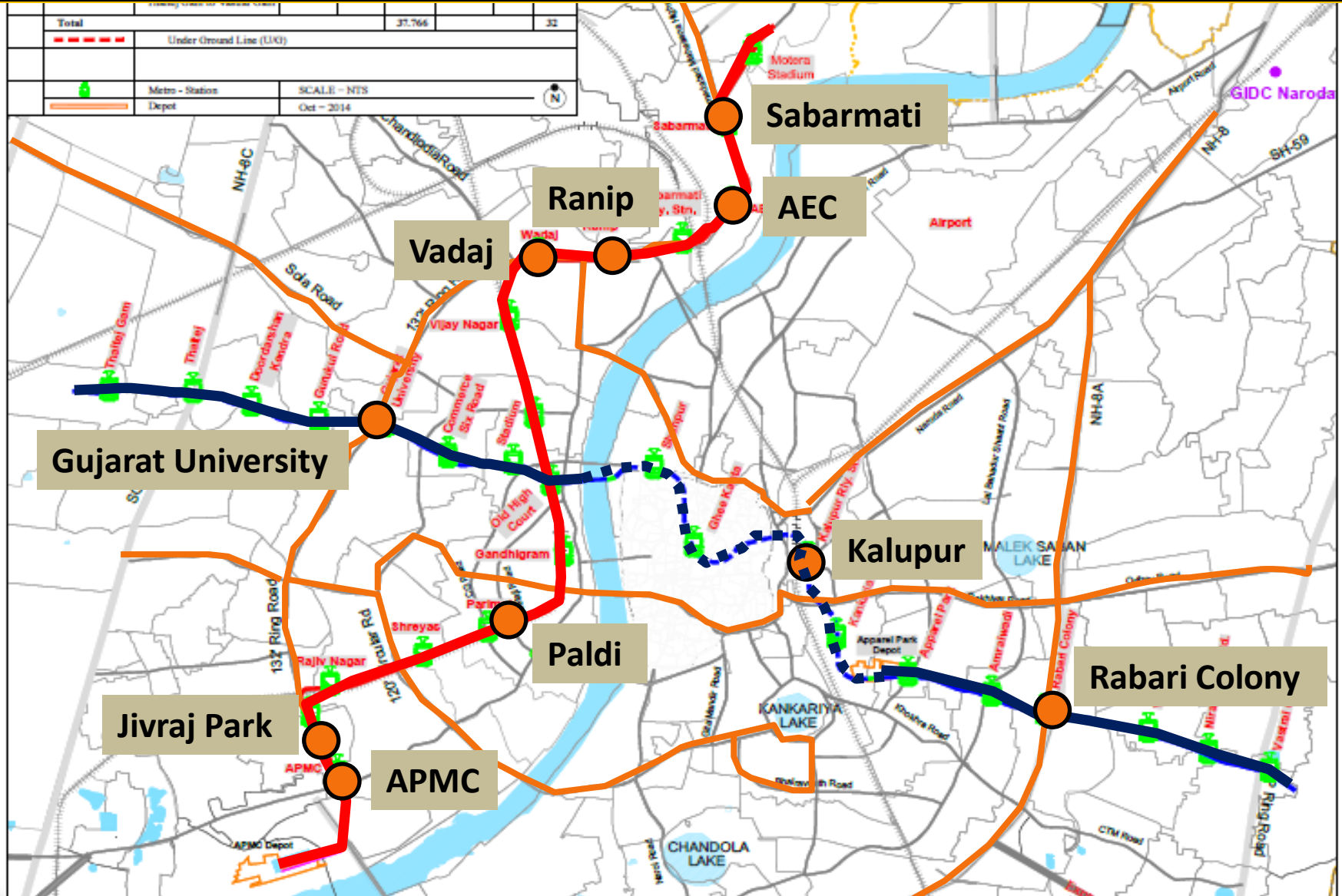
CONNECTIVITY OF AHMEDABAD METRO WITH OTHER TRANSPORT SYSTEM

- **THE PROPOSED METRO IN AHMEDABAD HAS TWO CORRIDORS TOTALING 37.72 KM AND 32 STATIONS, INCLUDING TERMINAL STATIONS. IT TRAVERSES ACROSS THE CITY IN THE NORTH-SOUTH AND EAST-WEST DIRECTION AND ALONG ITS PATH COVERS MANY IMPORTANT ORIGINS AND DESTINATIONS.**
- **AHMEDABAD HAS PLANNED FOR A MULTI-MODAL SYSTEM, WHERE THE PROPOSED METRO COMPLEMENTS THE EXISTING BRTS AND AMTS SERVICES.**
- **AHMEDABAD HAS ALREADY PLANNED FOR A NETWORK OF 116 KM OF BRTS ACROSS THE CITY. THIS IS EXPECTED TO CARRY OVER 5 LAKH PASSENGERS DAILY.**
- **THE AMTS, WHICH IS A MUCH OLDER SERVICE, HAS A FLEET OF CLOSE TO 800 BUSES AND OPERATES OVER 150 ROUTES. IT HAS A DAILY RIDERSHIP OF CLOSE TO 7 LAKH.**

CONNECTIVITY OF AHMEDABAD METRO WITH BRTS AND AMTS TRANSPORT SYSTEM

- **THE PRESENT AMTS AND BRTS TRANSPORTATION SYSTEM BOTH WILL ACT AS FEEDER SYSTEM FOR METRO.**
- **THE FEEDER ROUTES OF PROPOSED AMTS NETWORK WILL ACT AS PRINCIPAL FEEDER SYSTEM FOR METRO AS WELL AS BRT AND AMTS.**
- **THE PROPOSED ROUTE STRUCTURE OF AMTS ROUTE CONSISTS OF 21 FEEDERS. BRT WILL FEED TO THE METRO STATIONS AT SELECTED INTERCHANGE LOCATIONS.**
- **THE STATIONS WOULD BE PHYSICALLY CONNECTED TO THESE NODES TO ENSURE COMFORTABLE AND HASSLE-FREE TRANSFERS.**

CONNECTIVITY OF AHMEDABAD METRO WITH BRTS AND AMTS TRANSPORT SYSTEM



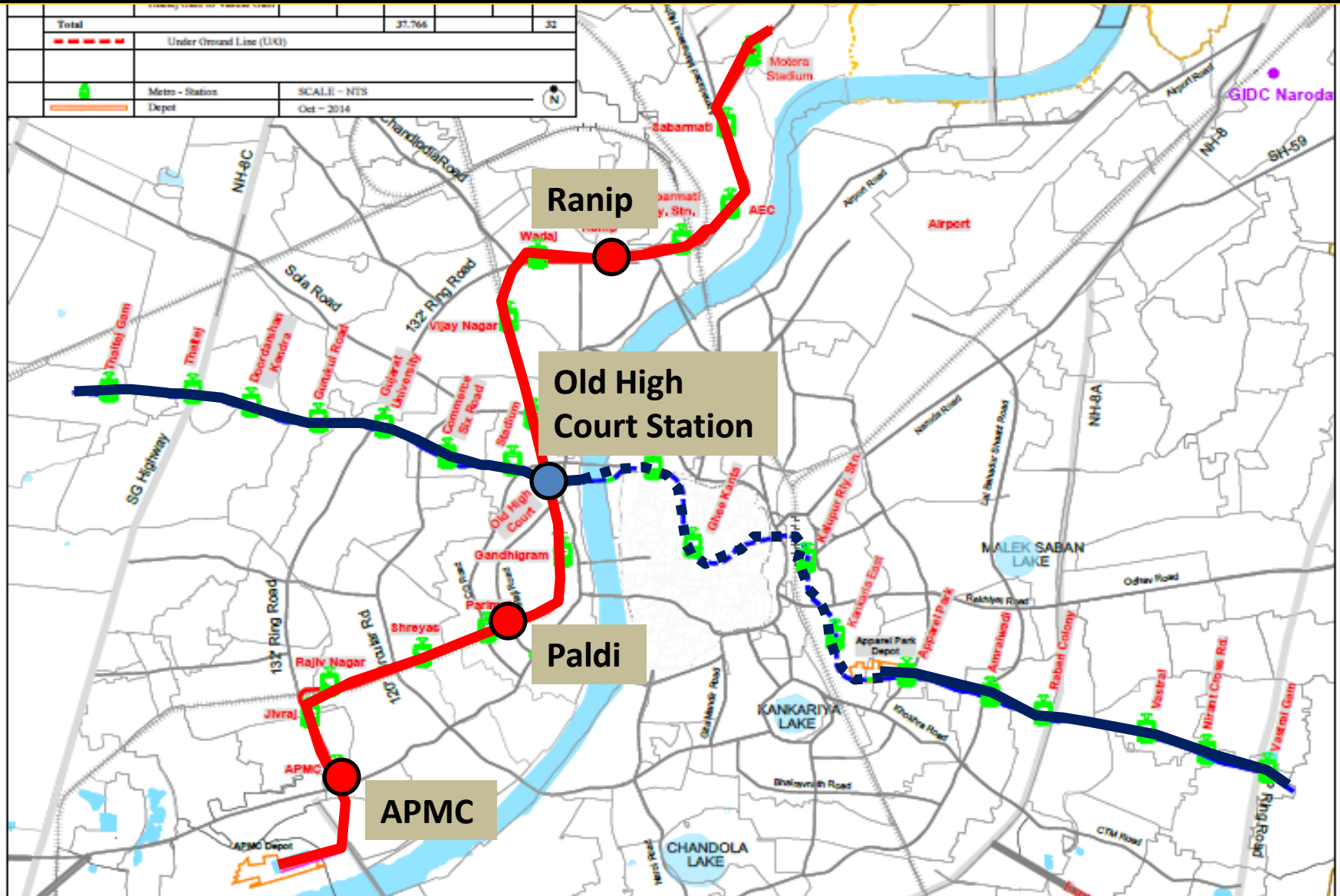
INTERCHANGE WITH BRTS AT RANIP STATION



INTERCHANGE WITH GSRTC AND BETWEEN METRO CORRIDORS

- **THE OLD HIGH COURT STATION IS PLANNED AS AN IMPORTANT METRO INTERCHANGE PROVIDING INTERCHANGE BETWEEN NORTH-SOUTH & EAST-WEST LINES.**
- **METRO WILL ALSO BE INTERCONNECTED WITH GSRTC SYSTEM, ABLE TO INTERCHANGE AT**
 - **RANIP**
 - **APMC**
 - **PALDI**

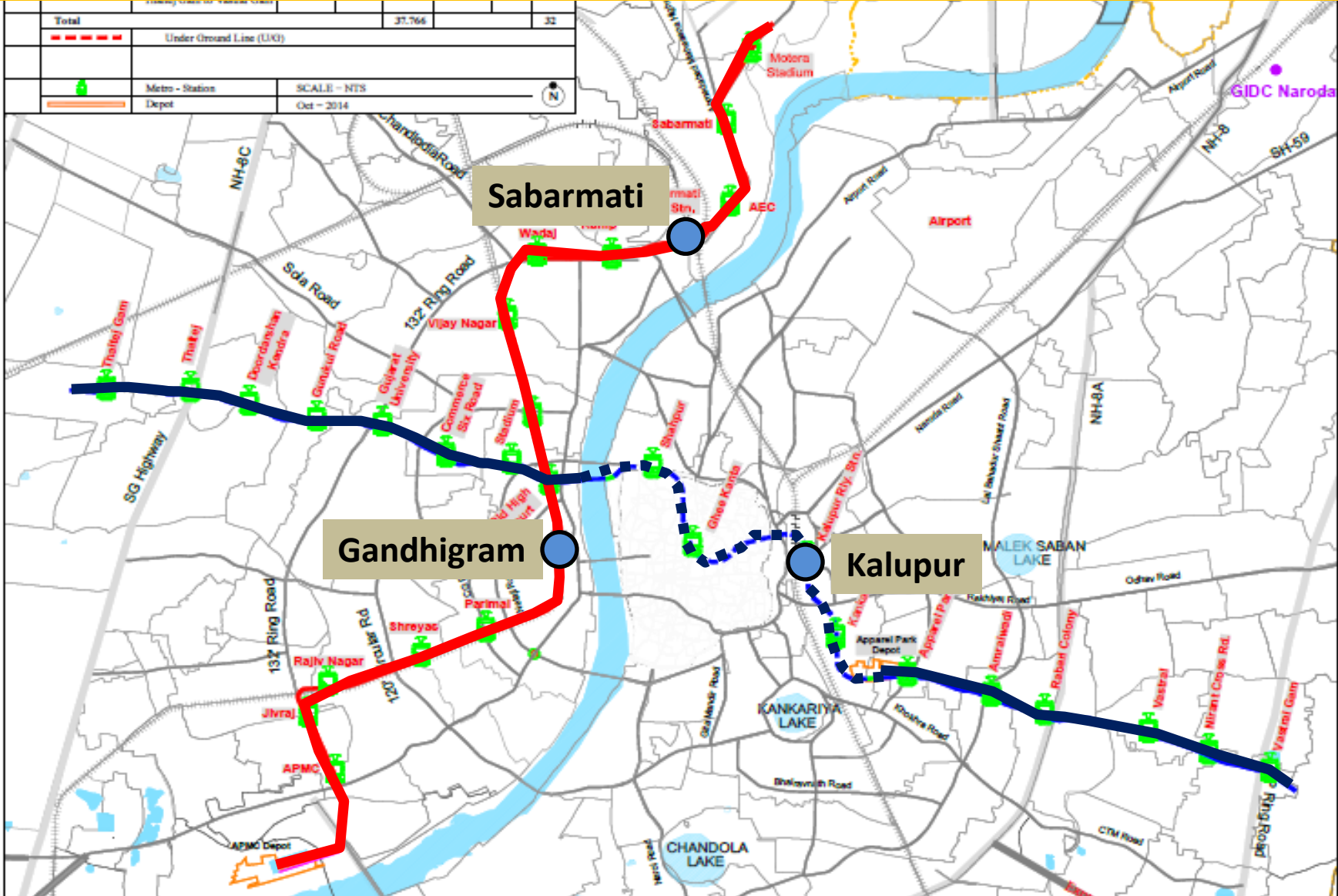
CONNECTIVITY OF AHMEDABAD METRO WITH GSRTC TRANSPORT SYSTEM



INTERCHANGE WITH INDIAN RAILWAYS

- **AHMEDABAD METRO WILL INTERCHANGE WITH INDIAN RAILWAYS AT**
 - **EAST WEST CORRIDOR**
 - **KALUPUR RAILWAY STATION**
 - **NORTH SOUTH CORRIDOR**
 - **AEC CIRCLE**
 - **SABARMATI**
 - **GANDHIGRAM**

INTERCHANGE WITH INDIAN RAILWAYS



INTERCHANGE STATIONS

METRO CORRIDOR	METRO STATIONS	BRTS	RAIL	METRO
EAST WEST CORRIDOR (THALTEJ-VASTRAL)	THALTEJ	NO	NO	NO
	DOORDARSHAN KENDRA	NO	NO	NO
	GUJARAT UNIVERSITY	YES	NO	NO
	COMMERCE SIX ROAD	YES	NO	NO
	STADIUM	NO	NO	NO
	OLD HIGH COURT (INCOME TAX)	NO	NO	YES
	SHAHPUR	NO	NO	NO
	GHEEKANTA	NO	NO	NO
	KALUPUR RLY. STN.	YES	YES	NO
	KANKARIA EAST	NO	NO	NO
	APPAREL PARK	NO	NO	NO
	AMRAIWADI	NO	NO	NO
	RABARI COLONY	YES	NO	NO
VASTRAL	NO	NO	NO	
NIRANT CROSS RD.	NO	NO	NO	
VASTRAL GAM	NO	NO	NO	

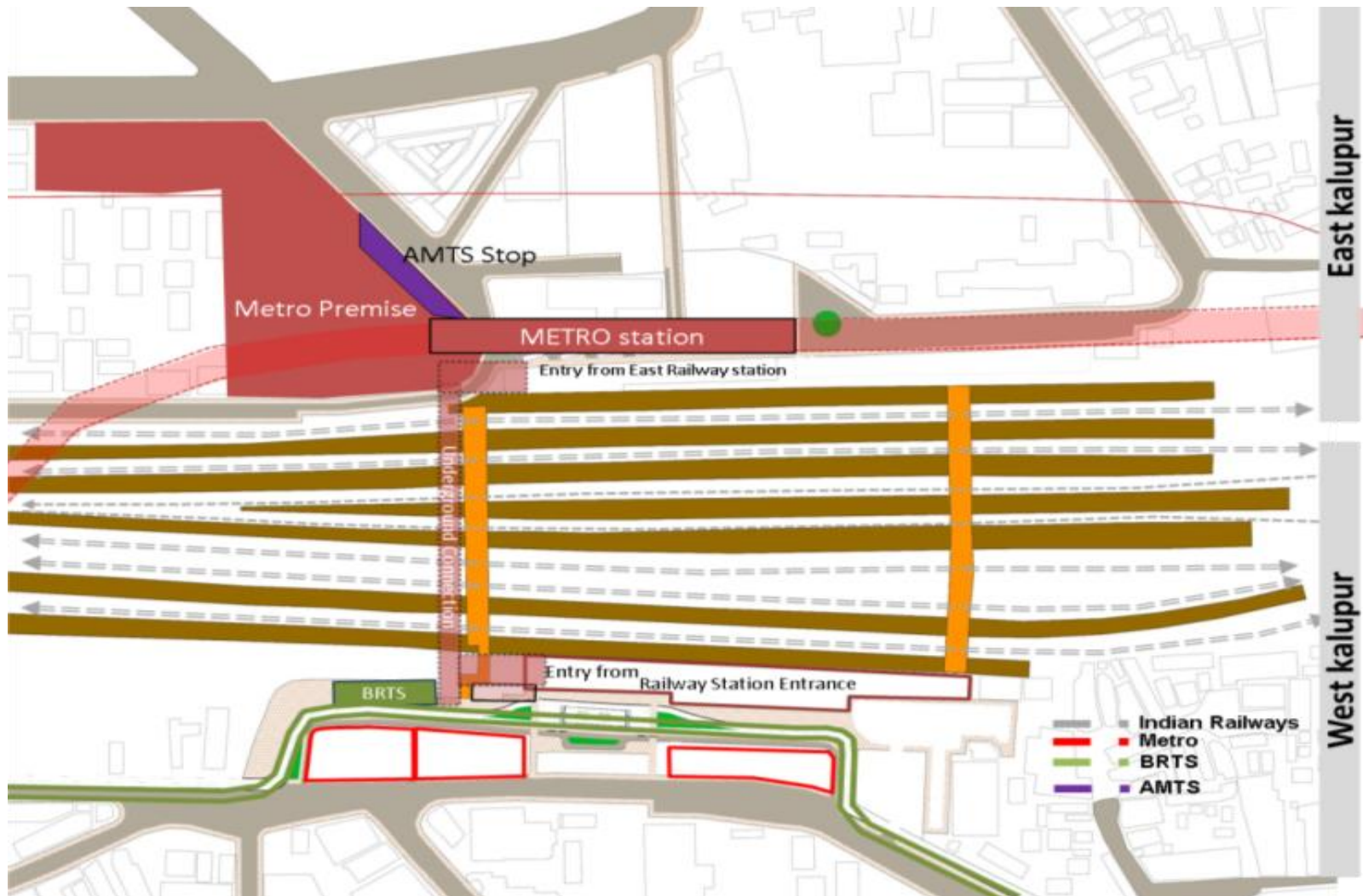
INTERCHANGE STATIONS

METRO CORRIDOR	METRO STATIONS	BRTS	RAIL	METRO
NORTH SOUTH CORRIDOR (APMC - MOTERA)	APMC	NO	NO	NO
	JIVRAJ	NO	NO	NO
	RAJIV NAGAR	NO	NO	NO
	SHREYAS CROSSING	NO	NO	NO
	PALDI	NO	NO	NO
	GANDHIGRAM	YES	YES	NO
	USMANPURA	NO	NO	NO
	VIJAY NAGAR	NO	NO	NO
	VADAJ	YES	NO	NO
	RANIP	YES	NO	NO
	SABARMATI RAIL STN	NO	YES	NO
	AEC	YES	NO	NO
	SABARMATI	NO	NO	NO
MOTERA STADIUM	NO	NO	NO	

INTERCHANGE STATIONS AT KALUPUR RAILWAY STATION

- **THE INTERCHANGE INTEGRATES RAILWAY STATION, METRO STATION AND BRT AS WELL AS AMTS.**
- **THE METRO STATION AND BRT STATION ARE ON THE OPPOSITE SIDES OF THE RAILWAY STATION.**
- **METRO AND BRT STATION ARE PROPOSED TO BE CONNECTED VIA UNDERGROUND CONCOURSE WHICH WILL ALSO CONNECT TO THE TWO ENTRY POINTS OF KALUPUR RAILWAY STATION BOTH ON EAST AND WEST SIDE.**
- **AN INTEGRATED AMTS BUS STOP IS ALSO PROPOSED RIGHT NEXT TO THE KALUPUR METRO EXIT GATE.**

INTERCHANGE STATIONS AT KALUPUR RAILWAY STATION



CONCEPTUAL DESIGN LAYOUT OF KALUPUR STATION INTERCHANGE.

HIGHLIGHTS

- **THE PUBLIC TRANSPORT SYSTEM OF AHMEDABAD WILL BE INTEGRATED WITH THE DEVELOPMENT OF THE METRO**
- **BUS NETWORK IN THE FORM OF BRTS, AMTS AND GSRTC PROVIDE COVERAGE ACROSS MOST PARTS OF THE CITY**
- **METRO WILL HELP TO REDUCE TRAVEL TIME BY ENSURING EASY INTERCHANGE BETWEEN VARIOUS MODES OF TRANSPORT**
- **METRO WILL BE A HIGH SPEED LINK BETWEEN VARIOUS TERMINALS AND HELP PEOPLE AVOID CONGESTION ON THE ROADS**

THANK YOU



Ahmedabad Metro Project Phase-I