

PRESENTATION
ON
VEHICLE FREE ZONES AND CYCLING TRACKS
IN
VISA KHAPATNAM



**GREATER VISA KHAPATNAM
MUNICIPAL CORPORATION**

Presentation by

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Commissioner, GVMC



City of Destiny

The magic of the port city
its sleepy towns and villages...
of romantic valley and historic sites,
Visakhapatnam for decades now known for its
scenic landscape, rich heritage and leisurely way of life...

The Jewel on the East Coast

City by the Sea

.....evolving into a holistic and futuristic vista
with greater drive, a greater awareness...
all for being a sustainable City Development of
Greater Visakhapatnam !



City Profile

- The City is situated along the Sea side of Bay of Bengal on the East Coast of India at the equidistance between Kolkata and Chennai
- The Urban Centre is spread over 534 Sq. Kms with Coast line of Bay of Bengal and the Port on the East, industrial belt on one side extended to West and the Urban Agglomeration with green space and hills in between
- The present population is around 20 Lakhs based on 2011 Census
- The Urban Centre attained Corporation status during the year 1979
- Visakhapatnam Municipal Corporation attained Greater status during the year 2005
- 40% Urban population as against state level average of 27%
- Urban infra expansion and improvement for up-gradation under progress .
- Mobility of transport requires special attention with respect to non – motor vehicles for pollution control

POTENTIAL OF THE CITY

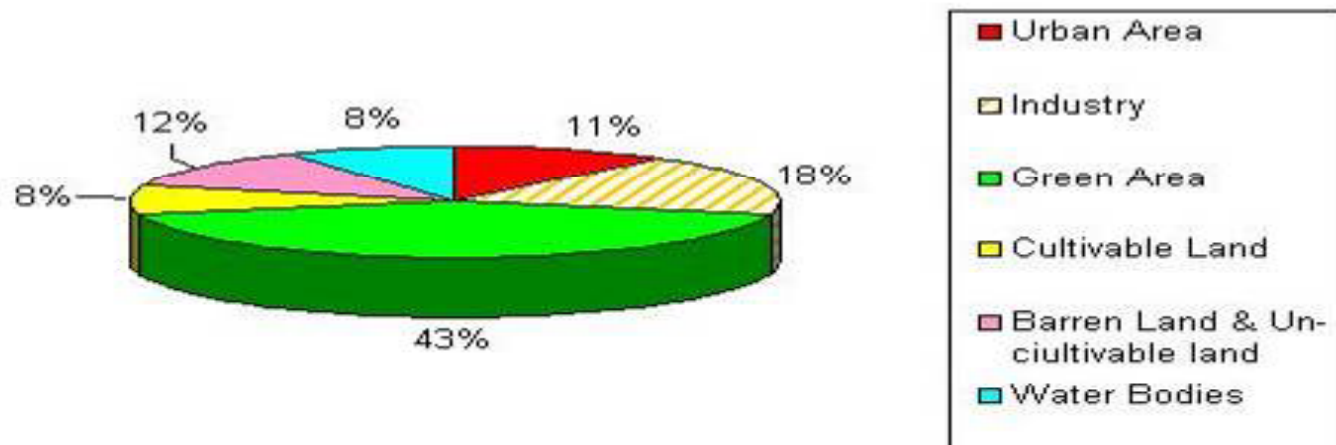
- Industrial Hub – with Major Industries like Visakhapatnam Port Trust, Visakha Steel Plant, HPCL Refinery, Coromandel Fertilizers & 40 Industries in 10 Kms. Radius with 1.5 lakh employees
- Good Road network - 100 Kms. of 80'-100' Carriageway roads.
- Education Hub – with 2 Universities – 2 Medical & Dental Colleges – more than 10 Engineering & Management Institutions.
- I.T. Hub – with presence of Major I.T. Industries Wipro, Mahindra Satyam, Symbiosis, etc.
- Tourism City with 25 Kms. Sea-beach, Buddhist Tombs, Araku Valley, Borra Caves, etc.
- Coastal City with Seasonal Temperatures between 18⁰c- 30⁰ c in most of the time – Good for cycling and other activities.
- Major business Centre to neighbouring 4 districts & to the parts of Orissa and Chattisgarh.
- Health City with Major Health Units like K.G.H., VIMS, Apollo, L.V. Prasad Eye Institute, Care, Seven Hills, etc.

Building... Green City

Greater Visakhapatnam Municipal Corporation:

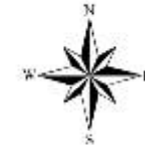
AREA UNDER DIFFERENT LAND USE/LAND COVER CLASSES			
S.No	Category	Area in Sq.Km	Percentage
1	Urban Area	57	10.78
2	Industry	94	17.77
3	Green Area	226	42.72
4	Cultivable Land	44	8.32
5	Barren Land & Un-cultivable land	64	12.10
6	Water Bodies	44	8.32
	Total	529	100

Area under different land use/land cover classes



Building... Green City

GREEN SPACES MAP



Legend

roads

LAYER

- Map Roads
- ROAD_NH
- RAILWAYLINE

Green Area

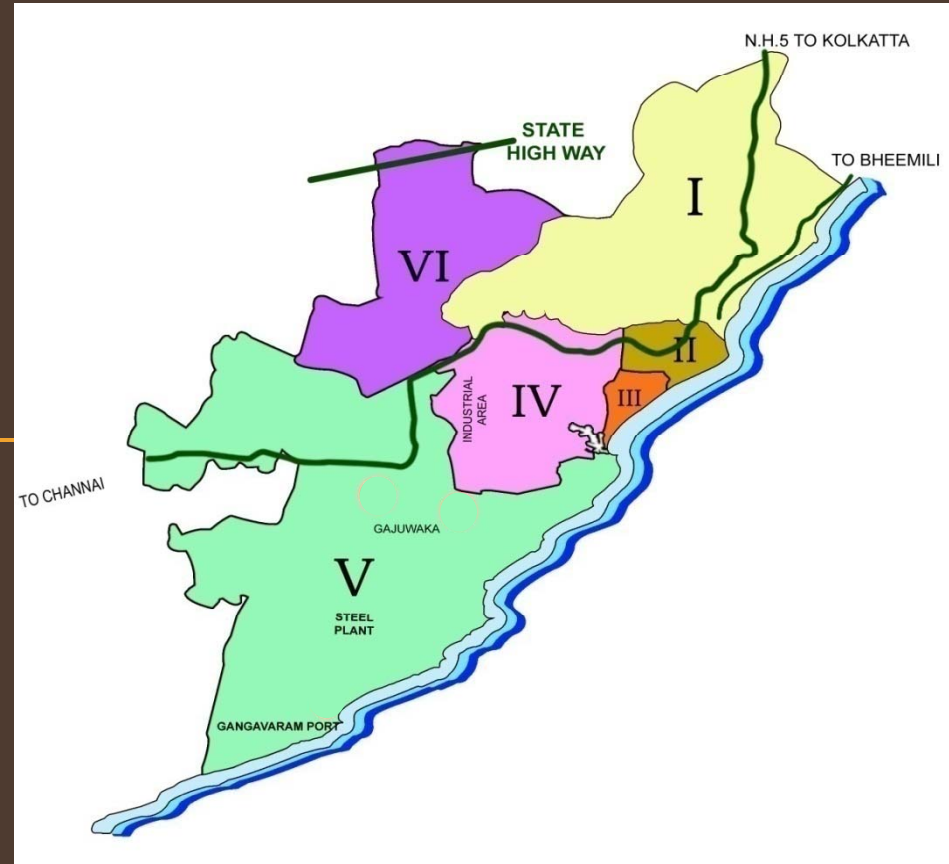
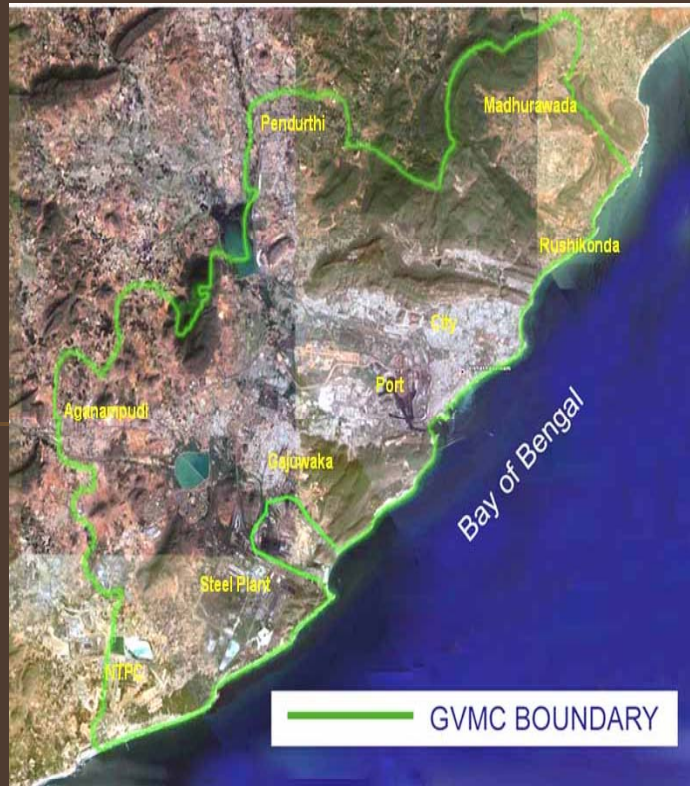
- Green Area - 226 Sq.Km, 42%
- WATERBODY_POLY
- GVMC_BOUNDARY

GVMC Total Area - 530 Sq. Km

Map Prepared By
Xinthe Technologies Pvt. Ltd



ARIAL VIEW - GVMC



GVMC POPULATION	– 18.82 LAKHS
GVMC AREA	– 533 Sq.km
ZONES	– 6 Nos.
WARDS	– 72 Nos.

CITY ARIAL VIEW



CITY ARIAL VIEW



CITY ARIAL VIEW



CITY ARIAL VIEW



CITY ARIAL VIEW



POLLUTION OF THE CITY

- Despite its potentials, Visakhapatnam City is declared as the 7th pollutant city in the Country , some of them are
- Pollution more due to Port Trust, Steel Plant, Petroleum Refinery, Pharma City, etc.
- Traffic Congestion and more usage of Private modes of transport also contributing to the pollution.
- Minimum usage of Bi-cycles and increasing number of two wheelers causing the pollution further.



GVMC INITIATIVES FOR POLLUTION REDUCTION

- **Energy Efficiency in Buildings, Street lighting, Water Pumping stations**
- **Solid Waste Management**
- **Transportation - BRTS and Fleet Management through SPVs**
- **Sewerage Treatment Plants**
- **Renewable Energy Technologies**
- **Low Carbon Mobility Plans**
- **Slum clearance and Housing for Urban Poor under RAY and JNNURM**
- **Storm Water Drainage System**
- **Under Ground Drainage System**

GHG Reduction through Local Action

- **Plantation**
- **Green Enforcement**
- **Hawkers Zones**
- **Vehicle Free Zones and Vehicle Free Days**
- **CRZ Norms**
- **CDP Revision with Environmentally Sustainable Approach**

NEED FOR CYCLING TRACKS IN VISAKHAPATNAM

- **The City is an Educational Centre with two major Universities, Engineering Colleges and more than 40 Degree and PG Colleges, besides High Schools and Junior Colleges.**
- **An Industrial Hub with Major Public Sector undertakings in steel, Petroleum, Shipping, Port, Heavy Machinery , Fertilizer, besides other private sector industries.**
- **A tourist and Heritage Centre having heavy floating Population**
- **Wide Roads throughout the City**
- **Moderate Climate with average temperature of 30° c**
- **More than 42% of green area**

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NEED FOR CYCLING TRACKS IN VISAKHAPATNAM

- A 10Km stretch of Beach Road
- 42Km of BRTS Roads developed under JNNURM
- Demolition of cellars leaving space for cycling tracks by avoiding congestion of parking places on the Roads
- Creation of Hawkers Zones
- Citizens attitude to Adaptation to change in a Cosmopolitan City conditions
- City Connectivity and Fast approach to Railway Station, Bus Complex and Airport
- Rapid Growth of Urbanization

-

VEHICLE FREE ZONE INITIATIVES

- **Vehicle Free Zones (VFZ) facilitating physical exercise activities to the citizens at specific timings - 5 am to 7.30 am**
- **Providing bicycles for the citizens for cycling at Vehicle Free Zones (VFZ)**
- **Introduced Non-pollution Day concept in GVMC by the Employees reaching Offices without using motor vehicles, on every Monday**
- **Conducting Seminars and Workshops on implementation of Low Carbon Mobility Plan in the City, involving various Stakeholders with the support of ICLEI and UNEP**
- **Support for VFZ concept by various Educational Institutions and industries in the city**
- **Support from NGOs, Press and Electronic Media**
- **Introduction of Cycling clubs involving various NGOs at ward level in the city**

CITY ROADS



CITY ROADS



CITY ROADS



CITY ROADS



CITY ROADS



CITY ROADS



CITY ROADS



CITY ROADS



CITY ROADS



CITY ROADS



CITY ROADS



BRTS - Simhachalam Transit Corridor



BRTS - Simhachalam Transit Corridor



VEHICLE FREE VISITS ON MONDAY



VEHICLE FREE ZONE AT BEACH ROAD



CYCLING AT BEACH ROAD VFZ



CITY FIELD VISITS OF THE COMMISSIONER AND OFFICERS BY CYCLING



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CYCLING BY CITY ADMINISTRATION OFFICERS



CYCLING BY GVMC OFFICERS



CYCLING AT BEACH ROAD VFZ



CYCLING AT BEACH ROAD VFZ



WALKING TRACK AT BEACH ROAD VFZ



WALKING TRACK AT BEACH ROAD VFZ



WALKING TRACK AT BEACH ROAD VFZ



CYCLING BY MEMBERS OF LEGISLATURE



CYCLING BY MEMBERS OF LEGISLATURE



CYCLING BY MEMBERS OF LEGISLATURE



INAUGURATION OF VFZ IN GITAM UNIVERSITY



CYCLING IN VFZ AT GITAM UNIVERSITY



CYCLING IN VFZ AT GITAM UNIVERSITY



CYCLING BY FORMER CITY MAYOR



WALKING TRACK AT BEACH ROAD VFZ



VFZ OBSERVATION BY BSNL



VFZ OBSERVATION BY BSNL



MARKING OF OZONE DAY - 2011



GREEN FORCE OF GVMC



GREEN FORCE OF GVMC



GREEN FORCE OF GVMC



GREEN FORCE OF GVMC



GREEN FORCE OF GVMC



GREEN FORCE OF GVMC



VIZAG MARATHON WALK OF STAKE HOLDERS



VIZAG MARATHON WALK BY NGOs



VIZAG MARATHON WALK BY NGOs



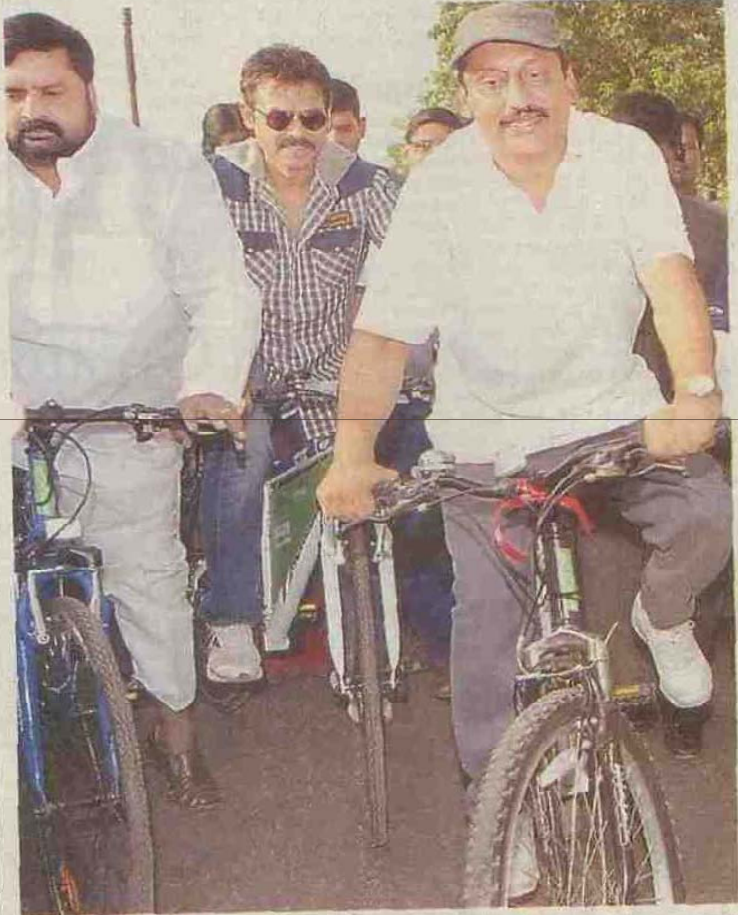
VIZAG MARATHON WALK BY NGOs



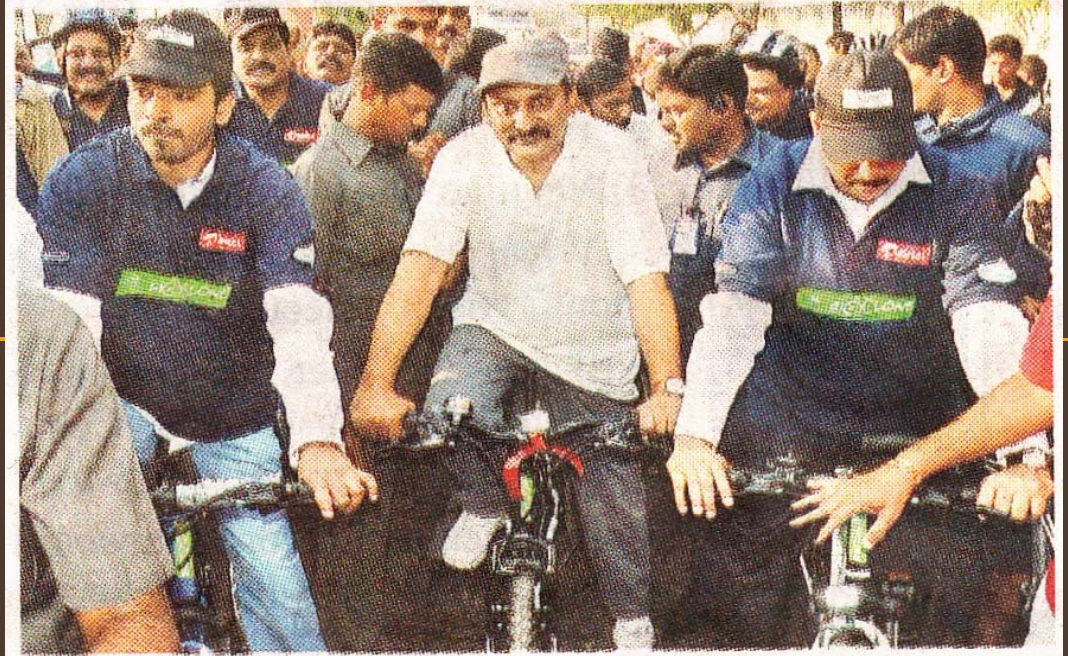
COMMISSIONER ADDRESSING NGOs OF THE CITY



CYCLING CONCEPT INTRODUCED IN HYDERABAD BY HON'BLE CHIEF MINISTER OF ANDHRAPRADESH BASED ON INITIATIVES OF VIZAG



Chief Minister N Kiran Kumar Reddy riding a bicycle at 'Bycyclone' organised by Hyderabad Cycling Club at Necklace Road, Hyderabad on Sunday. Anjan Kumar MP and film star Venkatesh are also pedalling. (Hans Photo)



హైదరాబాద్‌లో బైసైక్లోన్‌జోన్ ప్రారంభోత్సవం సందర్భంగా సైకిల్‌పై సీఎం కిరణ్‌కుమార్‌రెడ్డి, మంత్రి దానం, మేయర్ మాజిద్‌హుస్సేన్

Cycling by Hon'ble Chief Minister of Andhra Pradesh at Hyderabad

CYCLING BY MEMBERS OF PARLIAMENT IN VISAKHAPATNAM



CYCLING BY MEMBERS OF PARLIAMENT IN VISAKHAPATNAM



PARTICIPATION OF DEPUTY SPEAKER



CYCLING BY STUDENT COMMUNITY



CYCLING BY STUDENT COMMUNITY



WORLD WOMEN'S DAY CYCLING



WORLD WOMEN'S DAY CYCLING



CYCLING ON WORLD WOMEN'S DAY



STUDENT COMMUNITY PARTICIPATION



STUDENT COMMUNITY PARTICIPATION



STUDENT COMMUNITY PARTICIPATION



CYCLING BY DEPUTY SPEAKER OF ANDHRA PRADESH



GVMC CYCLE CLUB



CREATION OF HAWKER ZONES

- To avoid Traffic menace due to street vendors occupying the carriageway, GVMC created *Hawker Zones* in all 6 zones.
- *Street vendors rehabilitated to the newly constructed Hawker zones, paving the way for creating Cycling lanes in the existing Right of Way.*
- *Cycle lanes will be created in the places earlier occupied by the vendors.*



Hon'ble Minister, Govt. of A.P. Inaugurating
Hawkers zone at Seethammadhara



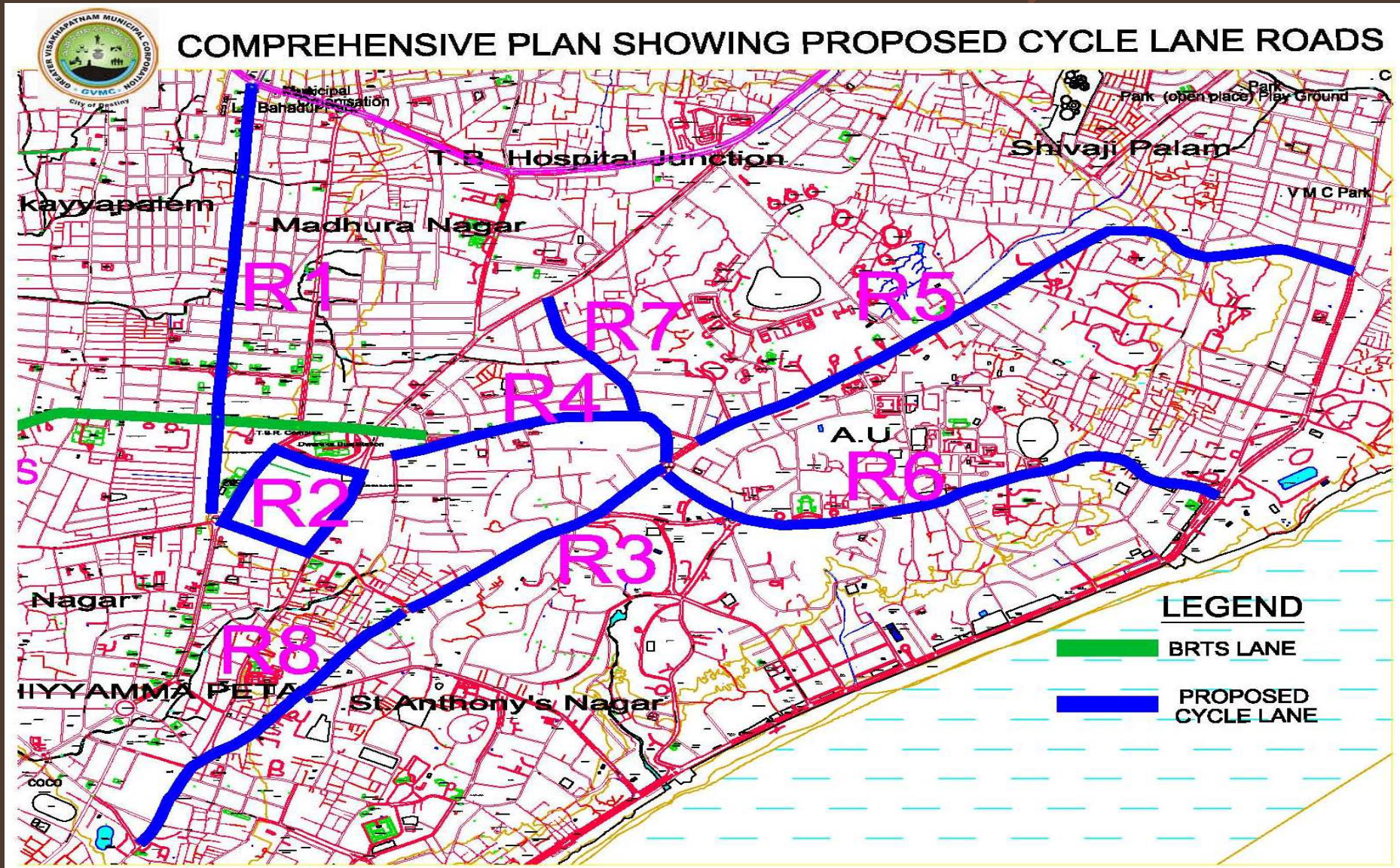
Hawkers zone at Beach inaugurating
by Govt. Wip & Commissioner

PRESENT PROJECT

- ✘ With the experience gained in the last 5 months and looking at the enthusiasm of the citizens, *GVMC planned to create cycling lanes with pedestrian walk ways in the Core City (CBD Area)* to promote Cycling & Walking in about 11.6 kms. (23.2 Kms. both sides) , the details of proposals are listed below.

S No.	PROPOSED CYCLE TRACK	LENGTH (KM)
1	OLD CENTRAL JAIL	1.20
2	DWARAKANAGAR TO GURUDWARA JN.	1.30
3	REDNAM CIRCLE TO SIRIPURAM CIRCLE (DUTT ISLAND)	1.50
4	SIRIPURAM CIRCLE TO GVMC	1.00
5	SIRIPURAM CIRCLE TO BEACH ROAD (VIA OLD CBI AND LAWSONS BAY COLONY	2.50
6	SIRIPURAM CIRCLE TO BEACH ROAD (Via. AU Out Gate)	2.00
7	TYCOON JN TO MOSQUE (VIP ROAD)	0.60
8	SEVEN HILLS JN TO VIZAG CENTRAL CIRCLE (VIA JAGADAMBA JN)	1.50
	TOTAL LENGTH	11.60

PROPOSED CYCLING TRACKS



COMPONENTS OF THE PROJECT

- ✘ 2 Mts. Wide exclusive Bi-cycle lane separated with Thermo-plastic paint.
- ✘ Intermittent Mountable kerbs for Bi-cycle lane with painting for separation.
- ✘ Modification of pedestrian walkways with designer tiles for aesthetic look and user friendly walkways.
- ✘ Minor repairs to the drain cover slabs wherever required.
- ✘ Traffic signals showing Bi-cycles, Pedestrians, Studs and other road furniture for safety and guidance.
- ✘ Cost of the Project - Rs. 10.24 Cr. (11.6 x 2 = 23.20 Kms.)



Contd..

The Cost of the project is tabulated below

Project / Component	Cost (Rs. in Crores)
Cycle Tracks	5.44
Public Bicycle Scheme	4.55
Consultants Fees	0.25
Total	10.24



FUNDING

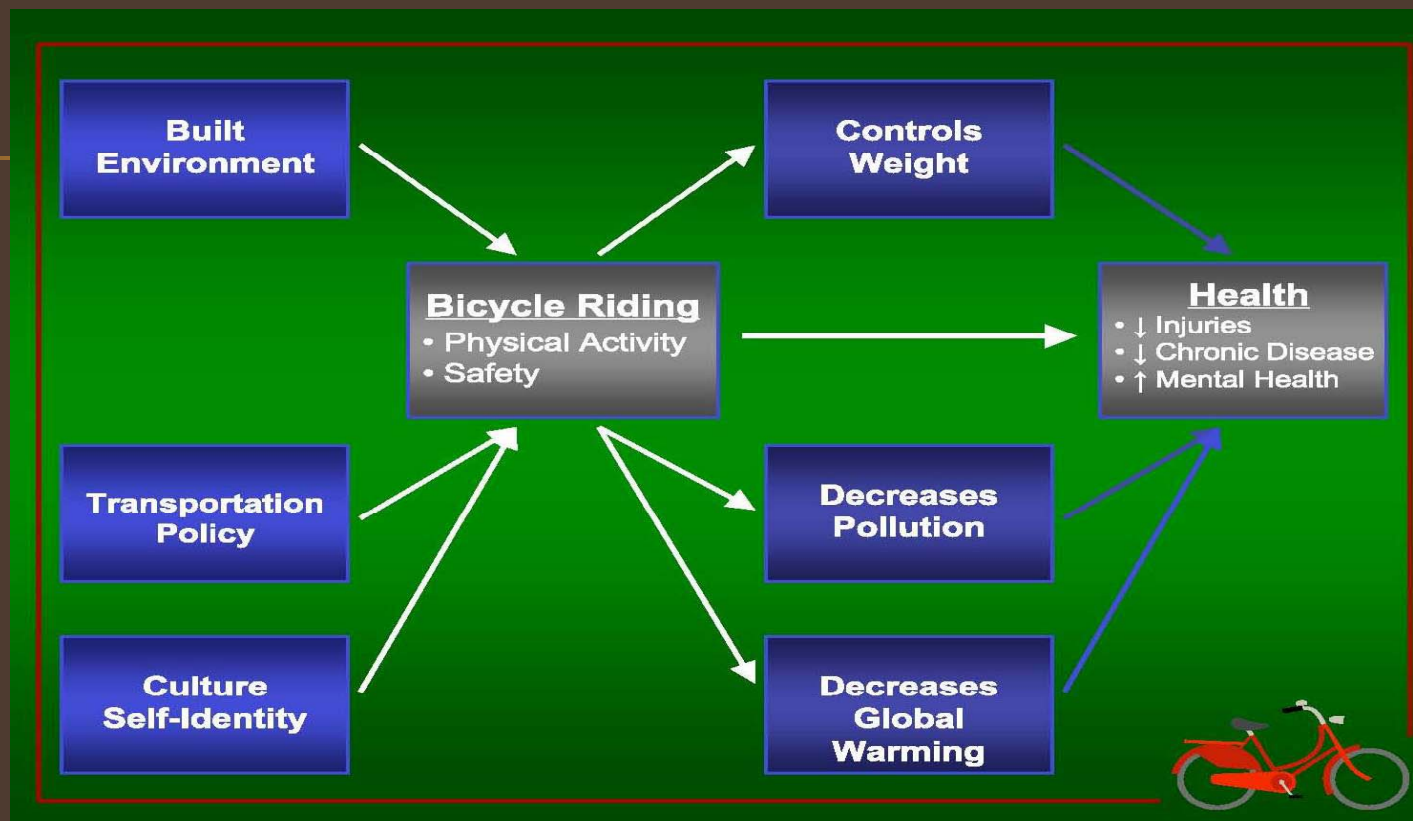
- ✘ An unique project proposed by GVMC for environmental sustainability by reducing the pollution by developing cycling lanes and Walkways *under pilot basis*.
- ✘ The project also includes development of pedestrian walkways with good aesthetic look on the drainage cover slabs to promote walking in the CBD areas.

The funding of the project is proposed as follows

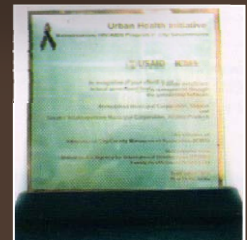
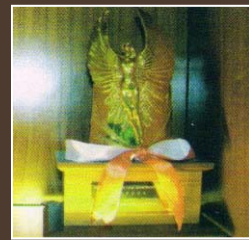
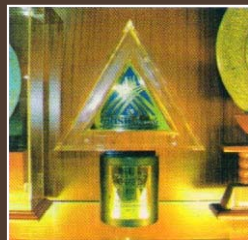
SI.No	Organization	Amount Rs in Cr.
1	MoUD, Govt., of India	6.00
2	AP Pollution control Board/ Industries	3.00
3	GVMC	1.24
	Total	10.24 Cr

BENEFITS

- ✘ Reduce the air and acoustic pollution, Fuel consumption and VOC.
- ✘ Reduce the Green House Gases emissions , such as NO CO₂, NO_x , CO etc.
- ✘ Reduce the Traffic Congestions due to separation of slow moving vehicle
- ✘ Increase Road Safety

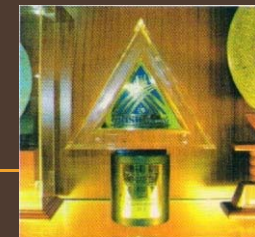


AWARDS & APPRECIATIONS



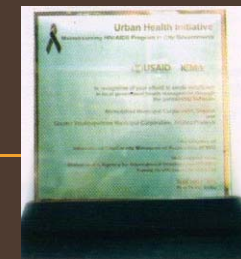
AWARDS & APPRECIATIONS

- Vruksha Mitra Award
 - + Government of India
 - + Presented by Prime Minister in 1986
- Saukaryam Project has been selected a finalist in category public services & democracy in Stockholm Challenge Award 2001 for the contribution in the global movement of building a better information society for all
 - + Stockholm Challenge in 2001
- CSI = TCS Award 2001 for best IT Usage – Winner
 - + Computer Society of India in 2001
- Website of Greater Visakhapatnam Municipal Corporation stands best among others
 - + National Institute of Urban Affairs in 2001
- Excellence in E-Governance
 - + CRISIL in 2003



AWARDS & APPRECIATIONS

- Awards for Women Friendly Cities
 - Gender Responsive Local Government, Asia Pacific in 2003
- Citizen's Participation in Environmental Sanitation
 - CRISIL Award in 2005
- HIV/AIDS Initiative in the City Governance
 - ICMA, Ahemadabad under US Aid, in 2006
- Membership in Quality Circle Forum of India
 - QCFI in 2009



AWARDS & APPRECIATIONS

- Best city in Internal Earmarking of Budget for Poor under JNNURM, for the year 2008-09.
- Best BSUP City under JNNURM, 2008-09
- Best City Award for Implementation of reforms in Urban Infrastructure and Governance under JNNURM for the year 2009-10
- Best City Award for Implementation of Basic Services to Urban Poor under JNNURM for the year 2009-10



Awarded 'Best BSUP City' for the year 2010.

H.W.Mayor & Commissioner, GVMC receiving award from Hon'ble Minister Kum.Shelja (MoHUPA, Govt. of India) on 03-12-2010.



Receiving Award for 'Best City' for Implementation of Reforms under UI&G Category for the year 2010 on 03-12-2010.



Sri B. Ramanjaneyulu, I.A.S., Commissioner & Sri P. Janardhana Rao, H.W. Mayor, GVMC
Receiving 'Best BSUP City' Award for the year 2010-11 on 13th Dec, 2011
at New Delhi from *Kum. Shelja, Hon'ble Minister for MoHUPA, Gol.*

**Euro India Award – 2011 in Leuven,
Belgium**



**Commissioner, GVMC receiving
Euro-India Award - 2011**

Nagar Ratna Award conferred to GVMC in the category of Use of it is Governance for the year 2011.



H.W.Mayor & Commissioner, GVMC receiving award from AILSG Nagar Ratna Award-2011



THANK YOU

