

# RANCHI MASTER PLAN 2037

FINAL REPORT - Volume I

Feedback Infrastructure Services Pvt. Ltd. Gurgaon

**FEEDBACK INFRA**  
Making Infrastructure Happen

B.E. Consultant, Jaipur



Urban Development Department,  
Gov of Jharkhand



Ranchi Municipal Corporation

## PREFACE

Cities have become concentrates of intelligence and demand large investments for their development. Large resources are spent on the development of various urban settlements but the condition of these cities continues to deteriorate because of piecemeal nature of expenditure and lack of definitive development schemes. Adhoc efforts neither result in better environment nor strengthen the economic base. In view of this, Urban Development Department (UDD), Jharkhand through Ranchi Municipal Corporation (RMC), has undertaken the preparation of the Master Plans of Ranchi City. The Master Plans are expected to give impetus to the development and economic potential of the city. The Government of Jharkhand has decided to outsource the preparation of Ranchi Master Plans to M/s Feedback Infrastructure Services Private Limited, Gurgaon. The Master Plan of Ranchi (2012-37) is the first planning effort in Jharkhand that has been outsourced to any private consultant by Urban Development Department, Jharkhand.

The studies involved in the preparation of Master Plan for Ranchi (2012-37) concerns with the areas crucial to planning and development of the region. It has been a great privilege M/S Feedback Infrastructure Services Private Limited, Gurgaon to undertake the assignment of formulating the Master Plan of Ranchi (2012-37). In this Draft Master Plan, the development proposals have been framed after a detailed study and analysis of the crucial issues related to economic development, infrastructure, transportation, housing, environment and urban sustainability. This comprehensive effort has established a framework for physical and socio-economic development and upliftment of the town - its constituent elements and the development policy mechanism by which these goals can be achieved.

At this juncture, the main purpose for M/s Feedback Infrastructure Services Private Limited, Gurgaon and B.E. Consultants in putting this document is to solicit critical comments and suggestions to achieve greater participation,

meaningfulness and make the Master Plan for Ranchi (2012-37) acceptable to stakeholders who have a role to play in its development and implementable for the Local Authority. The Draft Master Plan for Ranchi (2012-37) is being submitted to the government of Jharkhand and the Local Authority for publication.

**ABBREVIATIONS**

AQM	: Ambient Quality Monitoring	HCC	: Heritage Conservation Committee	NAAQS	: National Ambient Air Quality Standards
CBD	: Central Business District	HEC	: Heavy Engineering Corporation	NCC	: Neighbourhood Commercial Centre
CC	: Community Centre	HIG	: High Income Group	NH	: National Highway
CCC	: Community Commercial Centre	HT	: High Tension	OP	: Original Plot
CMP	: Comprehensive Master Plan	ICC	: Integrated Community Centre	pm	: Per Month
CNG	: Compressed Natural Gas	IDC	: Integrated District Centre	PPH	: Person per Hectare
C/N	: Carbon Nitrogen Ratio	IFC	: Integrated Freight Complex	P&SP	: Public and Semi-Public
COD	: Chemical Oxygen Demand	IT	: Information Technology	PU	: Planning Unit
CT	: Census Town	km	: Kilometre	RIFCC	: Ranchi Integrated Freight Complex Company
CU	: Composite Use	kg	: Kilogram	RMC	: Ranchi Municipal Corporation
DC	: District Centre	kV	: Kilo Volts	RMP	: Ranchi Master Plan
DCC	: District Commercial Centre	LP	: Land Pooling	RMU	: Remote Monitoring Unit
DRC	: Development and Regulation Control	lpcd	: Litres per Capita per Day	RRDA	: Ranchi Regional Development Authority
Ds	: Decimal	LPG	: Liquefied Petroleum Gas	RPA	: Ranchi Planning Area
DWSD	: Drinking Water and Sanitation Department	LRTS	: Light Rail Transit System LU : Land Use	RTC	: Ranchi Transport Corporation
ECS	: Equivalent Car Space	LT	: Low Tension	R/W	: Right of Way
EOC	: Emergency Operation Centre	m	: Metre	ROB	: Rail Over Bridge
ESR	: Elevated Service Reservoir	MGD	: Million Gallons per Day	SH	: State Highway
ESS	: Electric Sub Station	MKS	: Medvedv, Karnik, Sponheuer (Richter scale)	Sq.m	: Square Metre
EWS	: Economic Weaker Section	MIG	: Middle Income Group	Sq.km	: Square Kilometre
FAR	: Floor Area Ratio	MLD	: Million Litres per Day	SR	: Service Reservoir
FC	: Facility Centre	mm	: Millimetres	STP	: Sewage Treatment Plant
gms	: grams	MSL	: Mean Sea Level	TPTM	: Transport Planning and Traffic Management
GSS	: Grid Sub Station	MT	: Million Tonnes	ULBs	: Urban Local Bodies
ha/HA	: hectare	MVA	: Mega Volts	UMPTA	: Unified Metropolitan Transport Authority
TDR	: Transfer of Development Rights				
TP	: Town Planning				
TPO	: Town Planning Officer				
WHO	: World Health Organization				
WFPR	: Work Force Participation Rate				
WTP	: Water Treatment Plant				





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