



nayaraipur
नया रायपुर

Naya Raipur

....Using Technology for a Happy LIVING

DEVELOPMENT. PROGRESS. HAPPINESS.

Gurugram

1st February 2018



City Planning

Progress made so far

Technological Intervention

Smart City Proposal for Naya Raipur

Investment Opportunities



Naya Raipur-A Destination Of SMART LIVING



- India's first **Smart** greenfield city of 21st century
- Area of **237** sq. km
- Planned township for **5.6 lakh** population



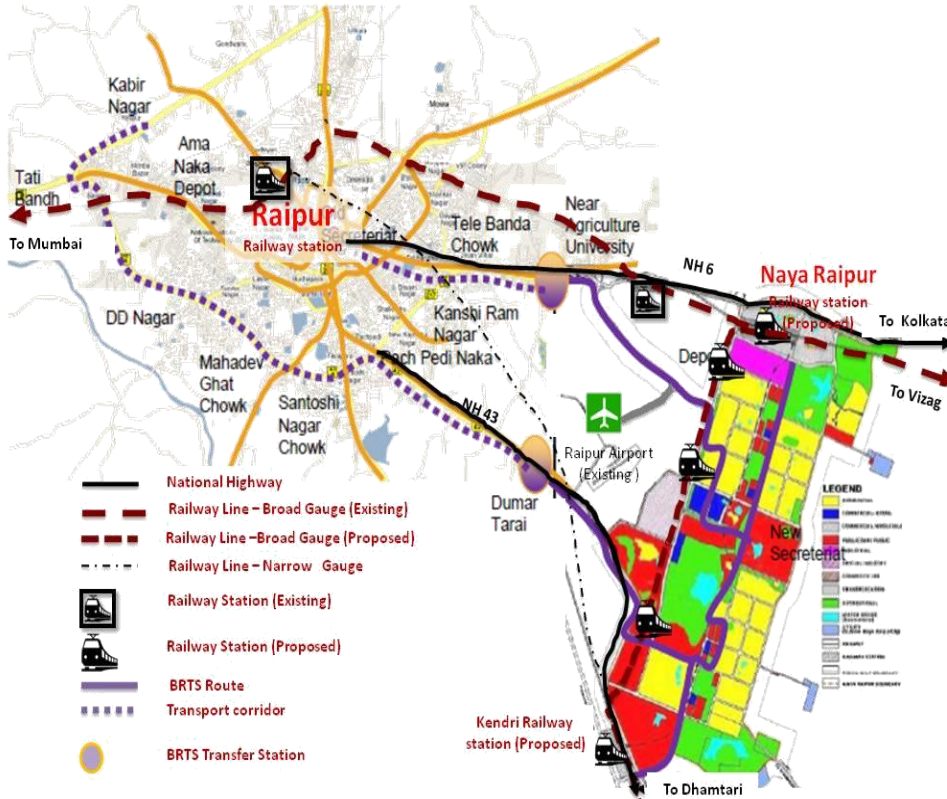
Naya Raipur City Vision

‘Naya Raipur, the flag bearer of Resurgent Chhattisgarh, aspires to become a **sustainably Green & Functionally Integrated Capital Smart City** promoting Happiness to all and creating a **vibrant ecosystem** for entertainment, business & innovation while marching ahead to remain India’s best planned City.





Site Selection

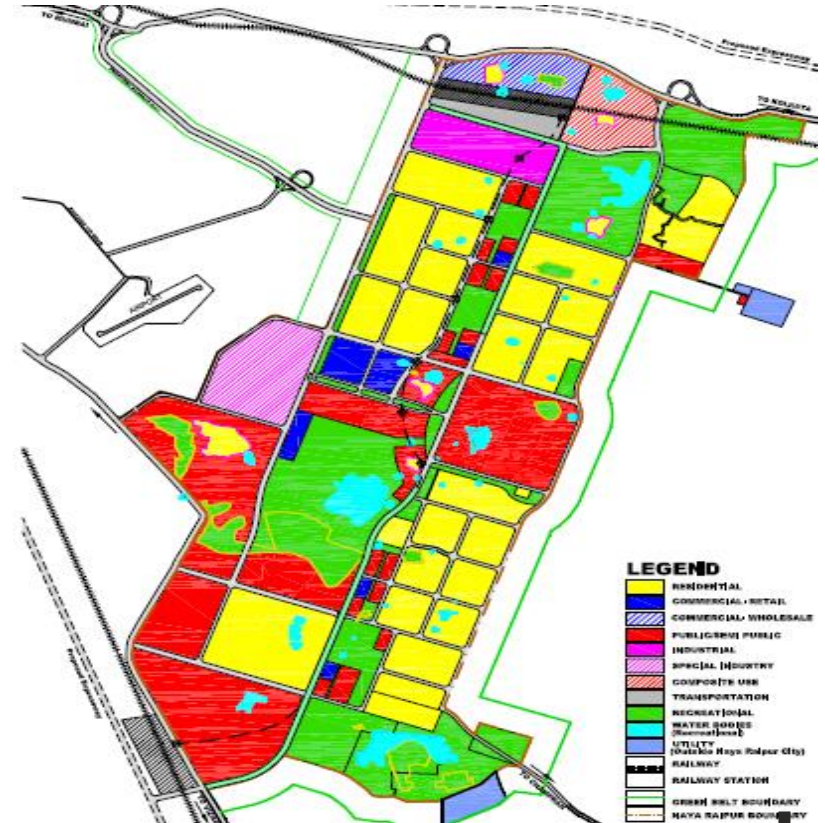


- Close proximity to Airport and major urban centres
- Maximum Government land
- Land having least number of existing human settlements
- Good Connectivity via road, rail and air to major metro cities



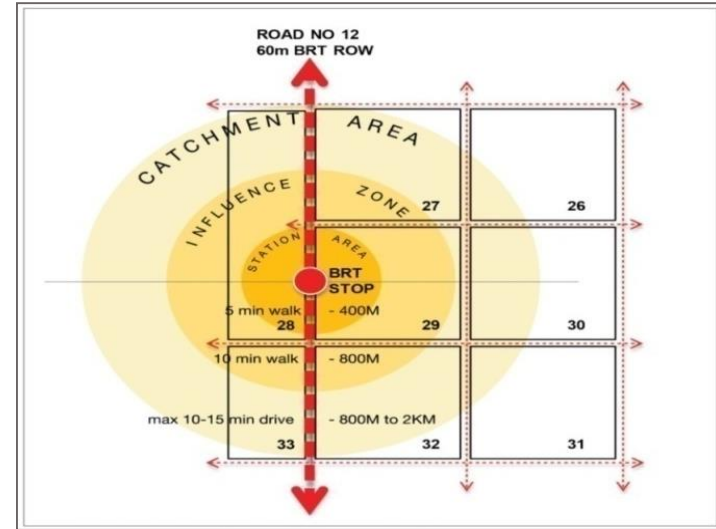
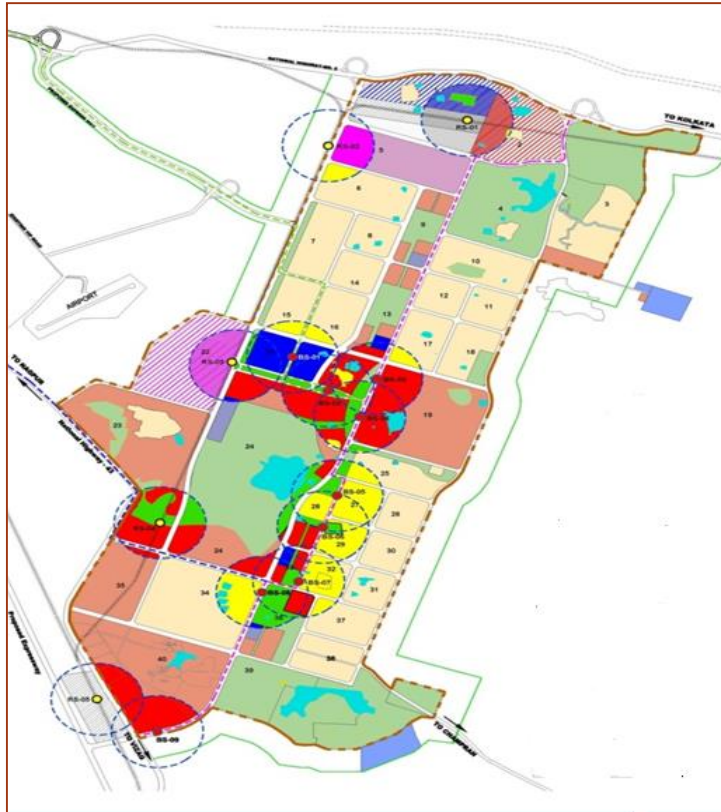
Balanced Land Use

- Conservation of existing water bodies and plantation.
- 26 % recreational/green area
- Distributed commercial/facility centers
- Green walkways from one end of the city to other to promote pedestrian and NMT movement
- Grid pattern streets for ease in providing infrastructure & suitability for public transport





Transit Oriented Development



Pioneers

First city in India to adopt and implement TOD approach.



Planned Transit Nodes

Easily accessible transit nodes planned as per TOD guidelines.



STORY So Far...

- Roads
- Water Supply
- Sewerage
- Electricity
- Telecommunication
- Smart LED Lighting
- Transportation
- Social
- Recreation
- Government Offices
- Residential
- Green City



100 kms of 4 lane & 6 lane roads and 55 Km. NMT



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24X7 Potable, Metered Water Supply



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Zero Discharge City

5 Decentralized STPs



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14 indoor substations

Underground Network





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55 kms of LED Smart Street Lighting



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ITS enabled BRT System



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Premier Educational and Health Care Institutes



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One of the biggest man made Jungle Safari



STORY So Far...



Roads

Water Supply

Sewerage

Electricity

Telecommunication

Smart LED Lighting

Transportation

Social

Recreation

Government Offices

Residential

Green City



Public Spaces



STORY So Far...

Roads

Water Supply

Sewerage

Electricity

Telecommunication

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International Cricket Stadium



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Administrative Capital of the State



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Residential Sectors



STORY So Far...

Roads

Water Supply

Sewerage

Electricity

Telecommunication

Smart LED Lighting

Transportation

Social

Recreation

Government Offices

Residential

Green City



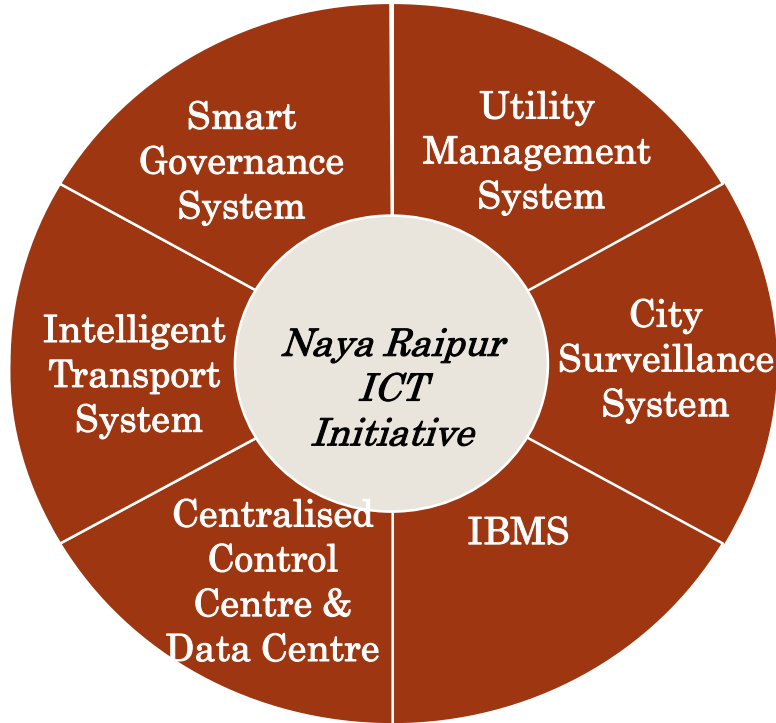
27 % green area

500 m wide green belt

Clean Air



Naya Raipur Technology Initiative

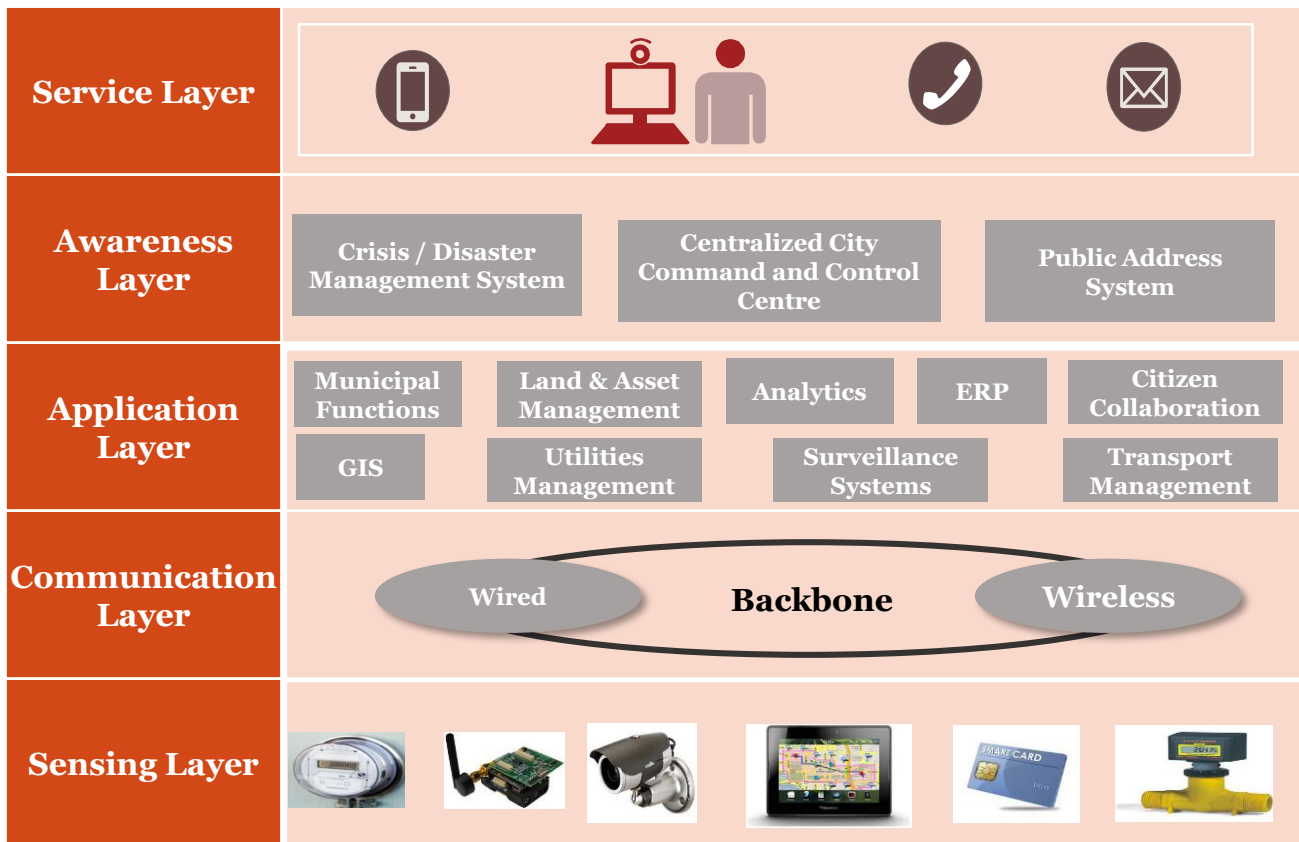


Partners





NAYA RAIPUR ICT ARCHITECTURE





Track -1 Smart Governance



Smart Governance Modules

Single Window Access

GIS based Land and Estate Mgmt

Utilities Billing Module

Building Plan Approval & Mgmt

Human Resource Mgmt System

Asset Management System

Finance & Account Mgmt System

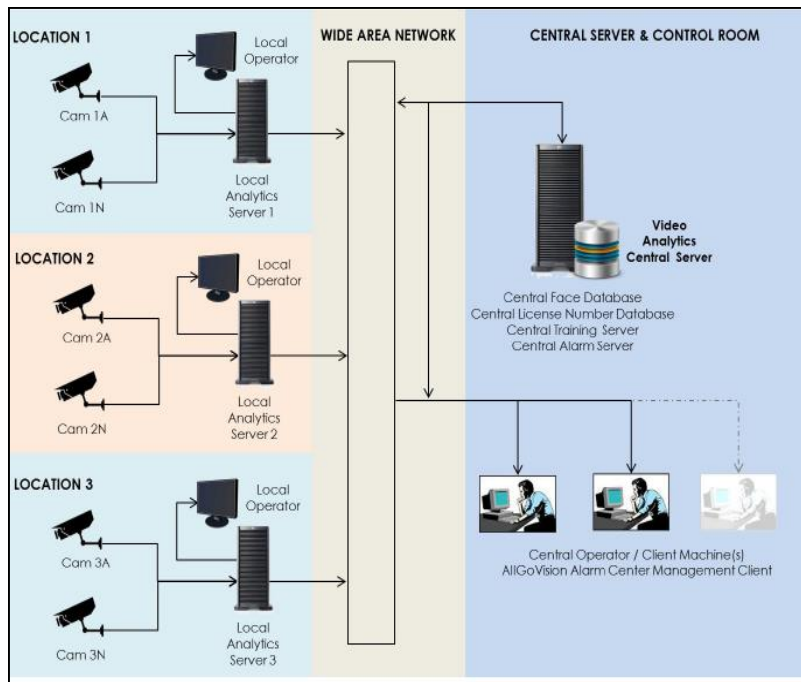
Grievance Module

M-Governance

Improved Citizen Services



Track -2 City Surveillance



City Surveillance System

Video Management System

Video Analytics

CCTV Dashboard

Safe and secure environment



Track – 3 Utilities Mgmt System



Utility Management System

Electrical SCADA

Water SCADA

Sewerage SCADA

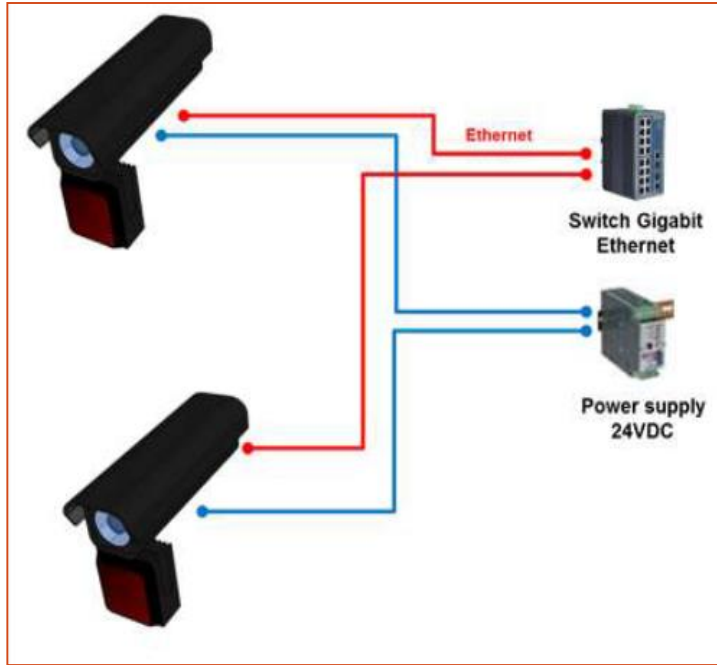
Integration

- existing Intelligent Street Lighting System

Effective monitoring, control and decision making



Track -4 Intelligent Transport Mgmt System



Intelligent Transport Management System

ANPR Cameras

Speed Violation
Detection

Integration

- existing ITS of BRTS

Ease of Commuting and Restricting unauthorized access



Track - 5 Integrated Building Mgmt System



IBMS & Network

IBMS

- HVAC
- Fire Detection & Alarms
- Electrical & Water
- Access Control
- Elevators
- Asset Management



Track - 6 City Command & Control Centre



City Command & Control Centre

Centralized
Command & Control

Integration of
sub-systems

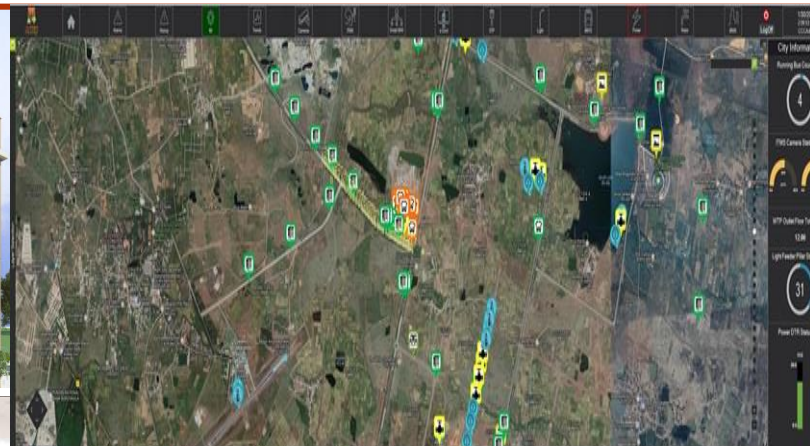
Dedicated OFC
backbone

Crisis/Emergency
Management

Operational & Technical Integration of Services



Current Status



CCC



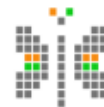
Smart City Mission

Ministry of Housing & Urban Affairs, GoI

SPV

Incorporation

**Naya Raipur Smart
City Corporation Ltd.
- incorporated on 16th
Oct 2017**



Smart City
MISSION TRANSFORM-NATION

Winning Cities in Round 3 (in order of merit)

S.No.	Name of State/UT	Name of City	Round 3 Score (%)
1	Kerala	Thiruvananthapuram	68.40
2	Chhattisgarh	Naya Raipur	67.78
3	Gujarat	Rajkot	66.55
4	Andhra Pradesh	Amaravati	66.42
5	Bihar	Patna	66.02
6	Telangana	Karimnagar	64.98
7	Bihar	Muzaffarpur	64.93
8	Puducherry	Puducherry	64.72
9	Gujarat	Gandhinagar	64.67
10	Jammu & Kashmir	Srinagar	63.96



Come & Experience Naya Raipur





Key Focus Areas – ABD Projects



Intermodal Transit Hub



Experience Centre



Trade & Innovation Centre



Banking Street



Public Bike Sharing



Health ATMs



Bag less Schools



Village Tourism



TOTAL PROJECTS: 40, NEW/ INNOVATIVE PROJECTS: 12 (30% of total projects)

ABD : Project Mapping

A - URBAN MAGNETS

- A1- Naya Raipur Intermodal Transit Hub with MLCP and Skywalk
- A2- Naya Raipur Trade & Innovation Centre
- A3- Naya Raipur Experience Center

B - VIBRANT COMMUNITY

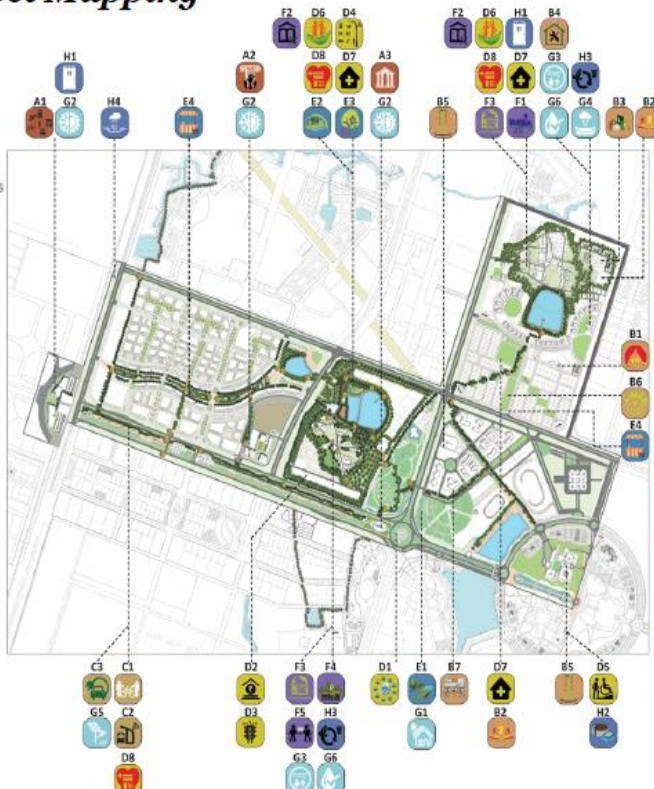
- B1- Club house & Community spaces
- B2- Community Schools
- B3- Affordable Housing
- B4- Retrofitting of existing housing bldgs. wrt Green Compliances
- B5- Vertical Gardens for Public Buildings
- B6- Urban Farming on Community Level
- B7- Command and Control Centre

C - GREEN/SUSTAINABLE TRANSPORTATION

- C1- Smart bicycle stands
- C2- Smart Bus Stands
- C3- Public rental EV cars & charging stations

D - PLACEMAKING, HEALTH & SAFETY

- D1- Smarter Roads
- D2- Banking Street
- D3- Smart Junction
- D4- Interactive Smart Pole
- D5- Universal Accessibility for all Public Buildings & Public Areas
- D6- Retrofitting of Streets- Village
- D7- Neighborhood health clinic- Village & Community
- D8- Health ATMs





Key Focus Areas – Pan City Projects



Smart Healthcare



City Common Card



Smart Event Management



Smart Village Development Plan



Solar City Plan



E- IPT



Smart Waste Management



Placemaking – Street furniture and Signages





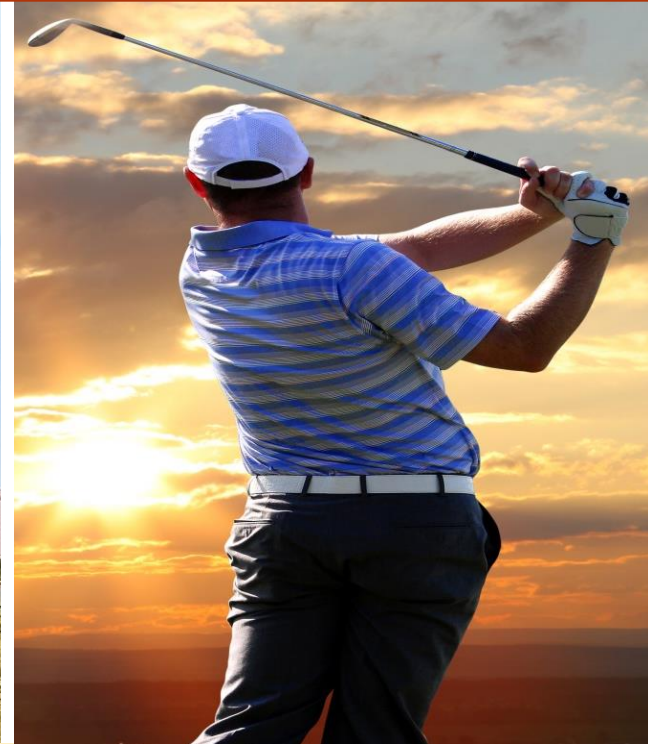
HOTSPOT Of Opportunities



Mixed Use Sector



Group Housing



Golf Course

RESIDENTIAL



HOTSPOT Of Opportunities



Commercial Complex



Retail Complex



Office Complex

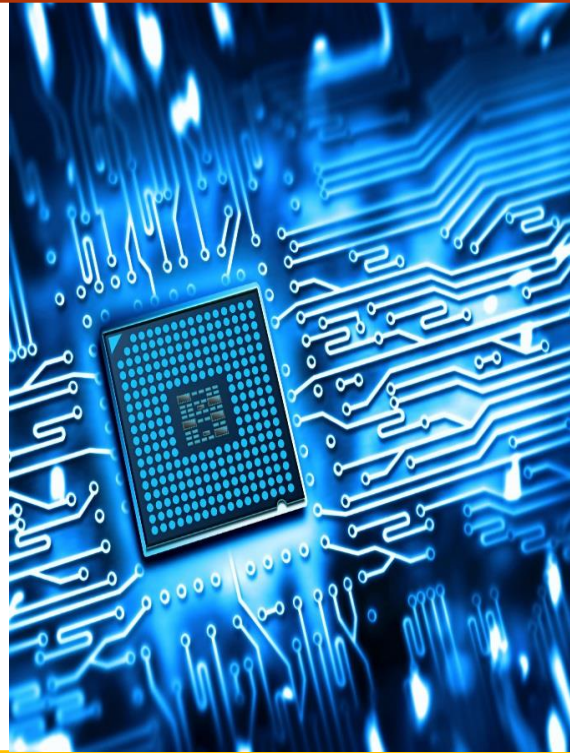
COMMERCIAL & RETAIL



HOTSPOT Of Opportunities



Light Service Industries



EMC



IT PARK

INDUSTRIAL



HOTSPOT Of Opportunities



SEZ



Warehouse



Logistics Hub

INDUSTRIAL



HOTSPOT Of Opportunities



International School



Multi Specialty Hospital



Convention Centre

FACILITIES



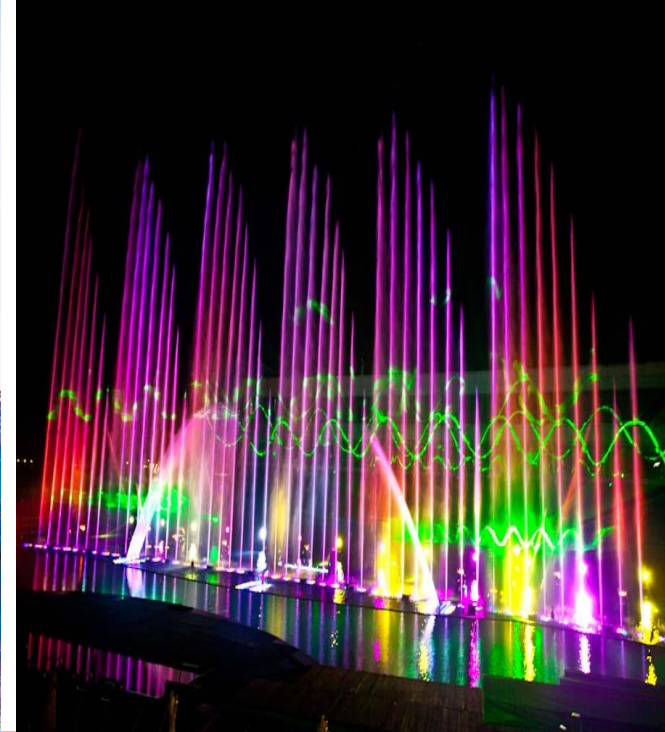
HOTSPOT Of Opportunities



Adventure Sports



Amusement Park



Laser Show

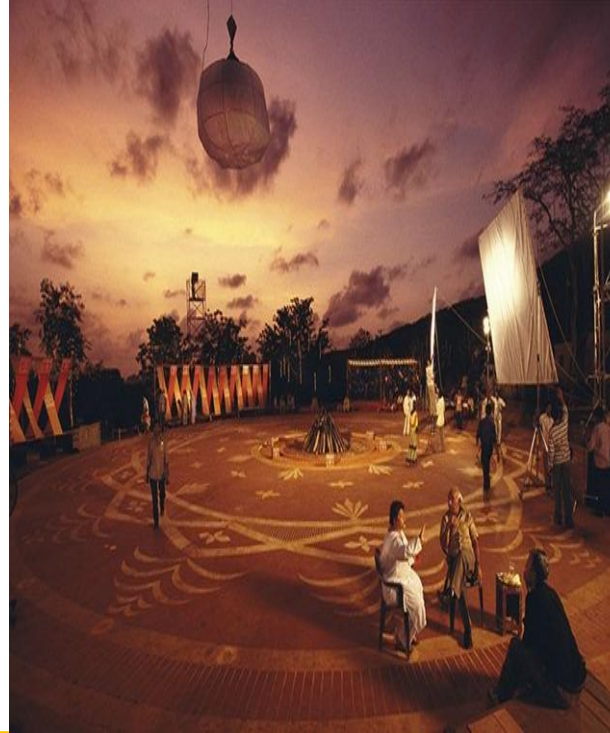
RECREATIONAL



HOTSPOT Of Opportunities



5 Star Deluxe Resort



Film City



Bike Sharing

RECREATIONAL



Come & Experience Naya Raipur

