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…

100 kms of 4 lane & 6 lane roads and 55 Km. NMT
24X7 Potable, Metered Water Supply
STORY So Far…

Zero Discharge City

5 Decentralized STPs
STORY So Far…

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

14 indoor substations | Underground Network
STORY So Far…

City wide ducts for fiber optics communication
STORY So Far…

55 kms of LED Smart Street Lighting
STORY  So Far…

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

ITS enabled BRT System
Premier Educational and Health Care Institutes

So Far…
STORY So Far...

One of the biggest man made Jungle Safari
STORY So Far…

Public Spaces
STORY So Far...

International Cricket Stadium

- Roads
- Water Supply
- Sewerage
- Electricity
- Telecommunication
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- Transportation
- Social
- Recreation
- Government Offices
- Residential
- Green City
STORY So Far…

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

Administrative Capital of the State
Residential Sectors
27% green area | 500 m wide green belt | Clean Air

STORY So Far…
NAYA RAIPUR ICT ARCHITECTURE

Service Layer

Awareness Layer
- Crisis / Disaster Management System
- Centralized City Command and Control Centre
- Public Address System

Application Layer
- Municipal Functions
- Land & Asset Management
- Analytics
- ERP
- Citizen Collaboration
- GIS
- Utilities Management
- Surveillance Systems
- Transport Management

Communication Layer
- Wired
- Backbone
- Wireless

Sensing Layer
Track -1 Smart Governance

- 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

Safe and secure environment

Video Management System

Video Analytics

CCTV Dashboard
Track – 3 Utilities Mgmt 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

Ease of Commuting and Restricting unauthorized access

ANPR Cameras

Speed Violation Detection

Integration
- existing ITS of BRTS
Track - 5 Integrated Building Mgmt System

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

Smart Buildings
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
SPV
Incorporation
Naya Raipur Smart City Corporation Ltd. - incorporated on 16th Oct 2017

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<th>Name of State/UT</th>
<th>Name of City</th>
<th>Round 3 Score (%)</th>
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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
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

Adventure Sports  Amusement Park  Laser Show

RECREATIONAL
HOTSPOT Of Opportunities

5 Star Deluxe Resort | Film City | Bike Sharing

RECREATIONAL
Come & Experience
Naya Raipur