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मोर **Raipur** SMART CITY

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SMART CITY SUMMIT
CONFERENCE | AWARDS | EXPO
RAIPUR 24th - 26th May 2017
VW Canyon, Airport Road

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CONFERENCE OUTCOME

CHHATTISGARH MARCHING AHEAD IN BUILDING SMART CITIES

The Raipur Municipal Corporation, Raipur Smart City Limited in association with Elets Technomedia Private Limited organised a three-day Smart City Summit Raipur from 24th to 26th May at VW Canyon hotel.

The Summit was inaugurated by Chhattisgarh's Minister for Urban Development, Commercial Taxes and Commerce and Industry Amar Agrawal. Union Minister for Urban Development, Housing and Urban Poverty Alleviation and Information & Broadcasting M Venkaiah Naidu participated in the valedictory session of the Summit and inaugurated the Expo with Chhattisgarh Chief Minister Dr Raman Singh.

Dr Raman Singh later also participated in the Summit and presided the CEOs roundtable session along with key policymakers and industry decision-makers on the first day.

With Raipur Municipal Corporation completing 150 years of its existence, a special Coffee Table Book and an envelope of Postal Department were also launched on the occasion by the Chief Minister, highlighting developmental journey of the city over the decades.

He also launched a special issue of Elets' eGov magazine, Asia's first monthly magazine on e-governance.

The Summit witnessed participation of various policy makers, stakeholders,and industry experts from across the country who brainstormed over various aspects related to Prime Minister Narendra Modi's vision of Smart Cities and discussed transformation of Raipur.

'DEVELOPING
OLD CITY INTO SMART CITY
TAKES BIG EFFORTS'

Chhattisgarh Chief Minister Dr Raman Singh recently highlighted the ongoing efforts being made to develop Raipur and Naya Raipur as Smart Cities, stating that to develop an old city into Smart City takes big efforts.

Participating in the three-day Smart City Summit Raipur held in the capital city of Raipur. He also stressed that it doesn't take so much effort to build a new house than "the kind of endeavour it requires to renovate an old house."

On the occasion, he launched a special issue of Elets' egov magazine, Asia's first monthly magazine on e-governance and said: "There are a lot of challenges in making a 150-year-old city like Raipur smart. A lot of coordination is required to develop such a city."

Citing example of Indore, which has topped the Swachh Bharat Mission list, Dr Singh said Raipur should strive to become as clean as Indore and underlined about the rich cultural heritage of Raipur and how his government is using the ICT to develop it into a green city.

"We want to create a Smart City for our future generations. Mor Raipur and Naya Raipur have created an example in front of the whole country," he said.

Highlighting the work done in the past 10 years, Dr Singh mentioned new bypasses being built, new water bodies being created in Raipur city. "We are trying to make people's life easy. People's participation is very important to make the city smart," he said while announcing that over 5,000 panchayats have become Open Defecation Free in Chhattisgarh.

Chhattisgarh Chief Minister Dr Raman Singh, launching the special issue of eGov magazine

Launching of the coffee table book on the occasion of 150 years of Raipur Municipal Corporation establishment

INAUGURAL

M VENKAIAH NAIDU
Union Minister for Urban Development,
Housing & Urban Poverty Alleviation,
Information & Broadcasting during the summit

INAUGURAL

RAIPUR
A LIGHTHOUSE FOR SMART CITIES: M VENKAIAH NAIDU

Union Minister for Urban Development M Venkaiah Naidu recently said there has been a major shift in the approach towards urban development in the country due to public participation. Participating in the three-day Smart City Summit Raipur, organised by Raipur Municipal Corporation in association with Elets Technomedia Pvt Ltd, Naidu, the Union Minister for Urban Development, Housing & Urban Poverty Alleviation, Information and Broadcasting, said: "We have collectively made a new beginning addressing the deficiencies in urban planning and the results have begun to flow."

There is a "major shift in approach towards urban development in last two years with citizen participation, incentivising reforms and ranking of cities", he said, adding "smart cities should focus on green energy".

Launching a number of projects worth hundreds of crores of rupees to facilitate transforming the face of Chhattisgarh's capital city under the Smart City Mission, Naidu sanctioned order to construct 11,000 houses under Pradhan Mantri Awas Yojna (PMAY) across 20 cities of Chhattisgarh at a cost of ₹ 512 crore.

Addressing delegates linked to Smart Cities, the Union Minister said: "Chhattisgarh will have separate DD channel. There will also be one-hour show on Chhattisgrah show on DD Bhopal."

On this occasion, Naidu also launched projects worth ₹ 662 crore for providing 85,000 water connections in Rajnandgaon, Bilaspur, Ambikapur and Jagdalpur areas of the State.

Naidu also said he was "happy to launch Smart City Raipur projects worth ₹ 144.6 crore which will dramatically transform the face of Raipur".

Naidu also launched a special Coffee Table Book, brought out on the occasion of 150 years of Raipur Municipal Corporation.

On this occasion, Naidu, who also flagged off door to door garbage collection rickshaws, distributed Certificates and Cheques to beneficiaries of Deendayal Antyodaya Yojana-National Urban Livelihoods Mission (DAY-NULM) and Pradhan Mantri Awas Yojana (PMAY) – Credit Linked Subsidy Scheme (CLSS).

He also handed over the keys of eight Air-conditioned buses to Korba worth ₹ 2.8 crore.

Union Minister M.Venkaiah Naidu at the Smart City Summit, Raipur

M.Venakaiah Naidu being presented a momento by the Chhattisgarh government

AMAR AGRAWAL
Minister for Urban Administration & Development Government of Chhattisgarh

'SMART CITIES
SHOULD MAKE THE NATION SMART'

Citing the importance of proper planning in urban cities, Amar Agrawal, the Minister for Urban Administration and Development, Government of Chhattisgarh, admitted there has always been a scarcity of integrated plans in Chhattisgarh cities.

"We have created a greenfield international city in Naya Raipur. Now we are developing Bhilai, Rajnandgaon and Korba as Super Smart Cities through state funds. We have even hired central government's consultants in the project," the Minister said.

Agrawal along with State Minister for Agriculture Brijmohan Agrawal and PWD Minister Rajesh Munat earliear inaugurated the summit three-day summit.

Praising the Central Government's Smart Cities Mission, he said that now States should not only move towards making not only themselves smart, but also the nation.

"We have surplus power. For providing better water supply, we have made many schemes. We have used segregation of solid waste management which has generated jobs," Agrawal said.

A lot of discussions were conducted in the summit, which was related to Smart City programmes like IT and e-governance for Smart Cities, Smart Mobility and Transportation, Solid Waste and Water Management and Financing prospects for Smart Cities.

PRAMOD DUBEY
Mayor
Municipal Corporation Raipur

- A city should be developed within a proper time frame.
- Raipur is a city with a lot of prospects.
- We have connected neighbouring 50 villages through city bus.
- Renovating 54 ponds in Raipur.
- Increased the catchment area from four to seven acres.
- Removed encroachments from many places.
- We have created open gyms in various parks of the city.
- We have created international library in the city.

RAJAT BANSAL
Commissioner
Raipur Municipal Corporation & Managing Director
Raipur Smart City Limited

- Under the PPP model, land monetisation, multi-model buildings have been proposed.
- These buildings will be created over a land of 46 acres with a cost of Rs 2,100 crores.
- This is not a revenue model and our purpose is to serve people in a better way.
- We are designing city according to people's needs.
- We are trying to decongest high traffic zones.
- We have been able to successfully implement Smart card and Smart app on a PPP mode.
- We have started restoration of Budha Talab through PPP model.
- All the government buildings are being installed with solar energy.
- Chhattisgarh is fourth in India in terms of ease of doing business.

RAIPUR'S TRYST WITH THE SMART CITIES MISSION

ROHIT YADAV

RAJAT KUMAR

O P CHOUDHARY

Special Secretary
Urban Administration & Development Department, Government of Chhattisgarh

- Our investor partners are actually owners of the projects.
- We need to listen to the problems and doubts of investors before signing the agreements.
- Need to take care of the day-to-day problems of people implementing the project, only then the projects can be completed timely.

CEO
Naya Raipur Development Authority

- A smart city should preserve the environment protecting the existing landscapes.
- It should be citizen-friendly, mobility-friendly.
- A sense of security and comfort among citizens is required.
- We have kept 26% of the area for recreational facilities in Naya Raipur.
- Tried to use the smart transportation by integrating multiple modes of transport.

Collector
Raipur

- There is a problem of perception when it comes to Chhattisgarh.
- Only seven districts out of 27 are heavily affected by Naxalism.
- Raipur is a growth pole of central India.
- Trying to control illegal colonies outside Raipur.
- Developing Naya Raipur as a smart city.
- Regulations should be improved to increase the efficiency of projects.

CONFERENCE OUTCOME

DR KAMAL PREET SINGH

DR B JANARDHAN REDDY

SANJAY TELI

Special Secretary
Finance Department, Government of Chhattisgarh

- Financing options for Smart City projects should be identified by the stakeholders.
- People should accept and promote the Smart City programmes.
- If there is a possibility, private investments should be made in certain areas.

Commissioner
Greater Hyderabad Municipal Corporation

- Source segregation is very important in Swachh Bharat Mission.
- 44 lakh bins were given by Greater Hyderabad Municipal Corporation.
- Awareness through school children is important.
- We have started "Unite the Family and Divide the Waste" programme.
- Through this programme, we unite the families and divide waste in various categories.

CEO
Solapur Smart City Development Company Ltd

- We have covered 1.5 lakh people in Area Based Development.
- Building 100 toilets in the city.
- Beautifying various points.
- Building solar pathways.
- Taking care of both the lakes existing in Solapur.

SARDAR RAVINDER SINGH

Mayor, Karimnagar Municipal Corporation

- In next one year, we will provide water connections to every household in Karimnagar.
- Karimnagar Municipal Corporation is providing water connections at just ₹1.
- We are getting ₹100 as water charges from each household.

SUNIL JYOTI

Mayor, Jalandhar Municipal Corporation

- Smart Cities Mission of the centre made the dead Corporations come alive by giving it a vision.
- Our standard of living will improve through Swachh Bharat and Smart City programmes.
- We are trying to build a multi-purpose stadium, spread over an area of 63 acres.
- Going to declare bazaars as non-traffic zones to curtail traffic problem.
- Jalandhar has gone for GIS mapping.
- Utilities like water and electricity have become online.
- Proper coordination between Commissioners and Mayors is important.

S HARCHARAN SINGH GOHALWARIA

Mayor, Ludhiana Municipal Corporation

- We have beautified various points of the city through graffiti.
- For speedy implementation of the projects, regular CEOs should be appointed.
- In area-based development, 24X7 water supply is being provided.
- We have started using solar energy starting the project from Corporation building itself.
- People need to own their own city to make it smart.
- Dustbins are required for a litter-free city.
- Awareness, public support and timely execution is important for Smart City programmes.

RAJENDRA DEOLEKAR

Mayor, Kalyan Dombivli Municipal Corporation

- People should own their city to make
- it smart.
- Set to install CCTV cameras in both the cities.
- Going to implement Swachh Bharat Mission in a major way.

CHANDRIKA CHANDRAKAR

Mayor, Durg Municipal Corporation

- People should take care of sanitation around them.
- We can make our city smart by concentrating on cleanliness.
- Focusing on providing better water supply to people.
- Planting trees in a big way for our future generations.

ARCHANA CHOUBEY

Mayor, Dhamtari Municipal Corporation, Chhattisgarh

- Traffic problem should be non-existent in Smart Cities.
- Environment and drainage system should be taken care in Smart Cities.
- People should participate in Smart Cities programmes.
- Dhamtari has been turned polythene-free.
- We have developed city and century park in the city for which Rs 10 is levied as fees.
- We have beautified many points in Dhamtari.

INDUSTRY PERSPECTIVE

KANWALJEET SINGH KUKREJA

DURGA PRASAD

ANIL NAIR

Associate General Manager, Smart Cities, Energy Business, Schneider Electric

- Our control and command centre integrates multiple verticals like water, electricity etc.
- If the ground infrastructure is ready to become smart, all smart technologies should be provided to make them smart.
- Naya Raipur is using the best of all IT-related technologies.

Chief Executive Officer IL&FS Technologies Ltd

- We are associated with Naya Rapur project which is the first smart city integrated project in India.
- This is one city where all the aspects of Smart City is covered.
- The entire life cycle of a citizen can be managed through a single control and command centre.
- Data will enhance the revenue of the city and reduce the operations cost.

Managing Director Cisco

- Digitisation is affecting businesses.
- Cities can survive only with digital transformation for urban migration.
- It is important to use the whole infrastructure so that it does not get wasted.
- It is important to get all the records and analyse them digitally.

CONFERENCE OUTCOME

VIVEK JAIN

LALIT CHANDAK

JVS RAMAKRISHNA

Senior Manager
Segment Marketing-Smart Cities Solutions & Public Infrastructure, Philips Lighting India

- Connected lighting is performing the task of taking value beyond illumination.
- We need to move to software analytics.
- There should be performance-based metering evaluation.
- Smart lighting is a combination of digital LED solution with connected devices and a lighting management software.

President
Span Telecom

- We provide monitoring solutions to around 70 per cent of the telecom operators in the country.
- Our new health solution increases the reach of a hospital beyond the hospital premises to remote areas.
- It helps in less crowding of the hospital and the remote area is able to conduct 40 diagnostic tests including blood chemistry with the help of hospital.

Business Head
South & East Region, L&T

- We are the early movers in the smart city domain in various parts of the world.
- We are in the process of building Vizag Integrated Smart City.
- We did traffic surveillance system in Gujarat.
- There should be proper timelines for execution of the projects.
- Projects should redefine the citizen centric outcomes.
- Obsolete technology problems should also be addressed.

INDUSTRY PERSPECTIVE

SUKHMINDER SIDANA

KAMAL ARORA

KUSH MEHROTRA

National Manager
Govt & PSU Business, Sonicwall

- We are a proactive security company.
- Cyber fraud and ransom market is approaching to $1 billion annually.
- We also define a multi-layered approach of cyber protection.
- The approach should be cloud-based which enables it to be faster.

Regional Sales Leader
Honeywell Building Solutions, India

- Proper planning and execution of Smart City Programmes is important.
- We laid 800 cameras in just three months in Ujjain's Kumbh Mela held last year.
- Multiple approvals from different departments were required for Kumbh.

General Manager
Rosmerta Technologies Ltd

- We have installed CCTV cameras in every bus and at bus shelter.
- We are having a lot of daily utilisation reports which can help Naya Raipur Development Authority officials, who can just download the reports on an excel sheet

CONFERENCE OUTCOME

GAURAV PARAKH

GIRISH SHARMA

ASHISH GANGRADE

Director – Projects
MMP India Pvt Ltd

- We are creating lakeside festival village on the banks of Vivekananda Sarovar.
- Creating a museum on Vivekananda Island where there will be a 3D virtual view of Vivekanandaji.
- Creating employment opportunities for 400-500 people.
- Committed to make Raipur a tourist destination.

Deputy General Manager
Product & Services, Netmagic

- We have seven layers of cyber security shield before anybody touches even one percent of the system.
- We work in data centre hosting, cloud, security and management services.
- Hybrid IT is currently being played in the industry.
- You can have reserve capacity for peak demand through Hybrid IT.

Director
Smart Cities, PwC India

- Sensors, communication, data analytics and geographical information system can be used to solve many problems.
- Proper coordination between various agencies for the implementation of the Smart City projects needed.
- Real time problems can be tackled through integration.

SAURAV AGRAWAL

PREM NATH

PRANAB DAS GUPTA

Advisor -- Clean India Mission (Swachh Bharat), European Business and Technology Centre	Principal Architect Prem Nath & Associates	Assistant General Manager Urban Development and Planning, Tata Consulting Engineers Limited
• Priority should be given to biological solutions. • Biological solutions should be used to decrease pollution than burning waste. • Technology should be self-sustainable and should have multiple model of revenue. • Chhattisgarh should concentrate on bio-gas which should be converted to bio-CNG.	• Citizens from small towns and villages need to be made smart. • We need smart governance, smart education, energy, homes , mobility and smart services to make a city smart. • We need smart transportation solutions.	• We have taken many smart roads projects in various Smart City programmes like bicycle track, smart poles. • Special colour palettes for footpaths have been installed. • In 770 acres of the Area Based Development, we have taken up the task of improvement of junctions.

CONFERENCE OUTCOME

EXPERTS' VIEW

DHARITRI PATNAIK

SARBESWAR PRAHARAJ

JAWAHAR SURISETTI

**Senior Country Representative
Bernard Van Leer Foundation, Netherlands**

- Need to make our cities more family-friendly.
- Launched the Citizen Connect Programme through Children Connect Programme.
- Urban 95 is a programme where city is build in accordance to a 95 cm citizen or a three year old's perspective.
- Planning of the cities needs to be changed so that basic services can help a citizen live better.

**Project Coordinator at Smart Cities Research
Cluster, University of New South Wales, Australia**

- Tap on Tap off data which comes from vehicles are being analysed by a medium which we have developed in the University of New South Wales.
- We are doing a lot of pilot projects through data analytics.
- Bringing data developers to the city of Sydney.
- We are streaming data through a website which helps in analysing performance of each year.

**Educationist and Psychologist
University of Washington**

- We have learned from failed smart cities that focus should also be kept on small things.
- Only smart people can make a Smart City.
- The need is to focus on all round development in a smart city.

GEORGE KURUVILLA

**Chairman & Managing Director, Broadcast
Engineering Consultants India Ltd**

- We are into the business of access control, CCTVs in Smart Cities.
- We have won a tender of Rs 110 crore of Airport Authority where we are doing 44 airports access control.
- Won safe city project in seven cities of Rajasthan along with L&T and Tech Mahindra.
- Also working in social media and media monitoring space.

विकास ऐसा कि धरोहर और संस्कृति को पहचान मिले : डॉ. रमन

स्मार्टसिटी समिट में बोले मुख्यमंत्री, देशभर के विशेषज्ञ देंगे व्याख्यान

स्मार्टसिटी प्रोजेक्ट से निगम के अमले क...

विकास ऐसा हो कि धरोहर और संस्कृति को भी मिल सके पहचान : मुख्यमंत्री

RAIPUR Chronicle

Naya Raipur to become first Smart City of country: Raman

inspects WRS

'Smart city Raipur to be an example'

Raman Addresses The Investors' Meet

ution issues at Sarona la
plans proposed at RMC'

Dr Raman Singh And M Venkaiah Naidu on the third day of the Smar City Summit, Raipur

The Union Minister flagging off the door-to-door garbage collection bins

Dr Raman Singh launching the special issue of eGov magazine

Dignitaries at the summit

Mor Raipur souvenirs at the Smart City Summit, Raipur

Dr Raman Singh launching the coffee table book

GLIMPSES OF THE SUMMIT

Union Minister M.Venkaiah Naidu with Chief Minister of Chhattisgarh Dr Raman Singh at the expo

Avinash Developers showcasing their company at the expo

Exhibitors at the Smart City Summit, Raipur

GLIMPSES OF THE EXPO

"THANK YOU"

FOR PARTICIPATING IN
SMART CITY SUMMIT, RAIPUR