



HIGHLIGHTING THE PROJECTS OF
**UDAIPUR SMART
CITY LIMITED**





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H I G H L I G H T I N G T H E P R O J E C T S O F

UDAIPUR SMART CITY LIMITED

1st EDITION, 2023

Published by :

Udaipur Smart City Limited (USCL)
Udaipur Municipal Corporation Office,
Ashoka Cinema Rd, Udaipur, Rajasthan 313001
Phone: 0294-2425325
Email: uscl2016@gmail.com
www.udaipursmartcity.in

Concept by :

Pradeep Singh Sangawat,
Additional Chief Executive Officer, Udaipur Smart City Limited
Apoorva Parashar
Deputy Town Planner, Udaipur Smart City Limited

Design & Photography by:

Falka,
Arun Raju,
Raghuraj Singh Rathore
+91 94687 03961
www.falka.in_
Team@Falka.in

Price: NOT FOR SALE

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Message



Shanti Dhariwal

Minister of Urban Development & Housing and Local Self Government,
Government of Rajasthan

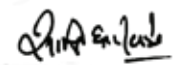


I am pleased to announce the release of the book “Highlighting the Projects of Udaipur Smart City Limited”, which showcases the progress and development of Udaipur as a smart city.

As a government, we are committed to making Udaipur a smart city, where technology and innovation are used to improve the quality of life for all our citizens. Our goal is to create a sustainable, livable and resilient city that meets the needs of present and future generations.

This book is a testament to the hard work and dedication of our officials, stakeholders, and citizens who have contributed to making Udaipur a smarter city. It is an essential resource for policymakers, urban planners and researchers who are interested in understanding the development of smart cities.

I congratulate the whole team of Udaipur Smart City Ltd. for their rigorous work and team efforts. I encourage everyone to read Udaipur Smart City book and be a part of our journey towards creating a sustainable, livable and technologically advanced city.



(Shanti Dhariwal)

Message



Kunal Kumar (IAS)

Joint Secretary & Mission Director (Smart Cities Mission), Ministry of Housing and Urban Affairs, Government of India.



I am delighted to announce the launch of the book “Highlighting the Projects of Udaipur Smart City Limited”, which celebrates the achievements of our team in transforming Udaipur into a smart city.

The Udaipur Smart City project has been an exciting journey for all of us and we are proud of what we have accomplished. Our team has worked tirelessly to implement innovative solutions and technologies that have improved the lives of citizens and made Udaipur a more sustainable and liveable city.

Udaipur Smart City book showcases our journey, highlighting various projects, initiatives, and innovations that have been implemented. It is a proof of our team's dedication, hard work and innovative thinking.

I want to take this opportunity to thank our team, government officials and stakeholders for their unwavering support throughout the project. Without your hard work, dedication and commitment, this achievement would not have been possible.

Thank you and congratulations to everyone involved in this fantastic achievement. Let's continue to work together to make Udaipur a model smart city for the world.

A handwritten signature in black ink, appearing to read "Kunal Kumar".

(Kunal Kumar)

Message



Mahesh Chandra Sharma (IAS)
Secretary, Local Self Government, Government of Rajasthan



It gives me immense pleasure to announce the launch of the book “Highlighting the Projects of Udaipur Smart City Limited”, This book is a testament to the hard work and dedication of everyone involved in making Udaipur a model for smart cities around the world.

Udaipur Smart City book showcases the various initiatives, projects and programs undertaken by the city administration to improve the quality of life of our citizens while enhancing economic growth and environmental sustainability.

I want to take this opportunity to thank all the stakeholders, including citizens, government agencies, private sector partners, and civil society organizations, who have contributed to the success of Udaipur Smart City project. Your support, feedback and collaboration has been instrumental in shaping the vision and strategy of our smart city.

Let us continue to work together to make sustainable and inclusive development.

A handwritten signature in black ink, appearing to read "Mahesh", with a horizontal line underneath.

(Mahesh Chandra Sharma)

Message



Tara Chand Meena (IAS)

District Collector, Udaipur, Rajasthan



I am delighted to learn about the release of “Highlighting the Projects of Udaipur Smart City Limited”, which is a comprehensive guide to our city's transformation into a modern and sustainable urban centre.

I urge all citizens to take a look at this book and learn about the progress USCL have made in transforming Udaipur into a smart city. I believe that this book will not only be informative but also inspiring and will encourage us all to work towards a sustainable and prosperous future for our city.

I am thankful for the collective efforts of the city officials, stakeholders, who have ensured the successful completion of the projects and would like to congratulate the entire team for taking this laudable initiative of bringing out the book and best compliments for their efforts.

A handwritten signature in black ink, appearing to read "T C Meena".

(Tara Chand Meena)

Message



Aparna Gupta (IAS)

Chief Executive Officer, Udaipur Smart City Limited



It is with immense pleasure and a deep sense of pride that I am announcing the launch of “Highlighting the Projects of Udaipur Smart City Ltd.” a testament to the visionary journey of Udaipur Smart City. The launch of this book symbolizes the culmination of formidable efforts, steadfast commitment, and the collective aspirations of countless individuals who have worked tirelessly to shape a smarter and a more liveable city.

I extend my deepest gratitude to all the former Chairpersons, Vice-chairpersons and Chief Executive Officers of the Udaipur Smart City, under whose exemplary vision and leadership the city developed tangible solutions, which this book now celebrates. I am also sincerely beholden towards the dedicated team of professionals experts and stakeholders involved in the development of Udaipur Smart City. Their steady dedication, innovative ideas, and assiduous efforts have transformed the cityscape and laid the foundation for a brighter future.

It fills me with pride to witness the transformation of Udaipur into a smart city that embraces technology, empowers its citizens and fosters sustainable growth. May this book serve as a catalyst for change, igniting the imagination of city planners, policymakers, and citizens worldwide.

With heartfelt congratulations and hope for smarter and sustainable future!



(Aparna Gupta)

Message



Pradeep Singh Sangawat (RAS)

Additional Chief Executive Officer, Udaipur Smart City Limited



On behalf of the entire Team, I am delighted to announce the launch of the book “Highlighting the Projects of Udaipur Smart City Limited”, which celebrate the achievements of our team in transforming Udaipur into a smart city.

The Udaipur Smart City project has been an exciting journey for all of us, and we are proud of what we have accomplished. Our team has worked tirelessly to implement innovative solutions and technologies that have improved the lives of citizens and made Udaipur a more sustainable and liveable city. The Udaipur Smart City book showcases our journey, highlighting the various projects, initiatives, and innovations that have been implemented. It is a proof of our team's dedication, hard work, and innovative thinking.

I want to take this opportunity to thank our team, government officials and stakeholders for their unwavering support throughout the project. Without your hard work, dedication, and commitment, this achievement would not have been possible.

Thank you and congratulations to everyone involved in this fantastic achievement. Let's continue to work together to make Udaipur a model smart city for the world.



(Pradeep Singh Sangawat)

CONTRIBUTORS

Bhawani Singh Detha (IAS)

Former Secretary, Local Self Government, Government of Rajasthan

Dr. Joga Ram (IAS)

Former Secretary, Local Self Government, Government of Rajasthan

Mahesh Chandra Sharma (IAS)

Secretary, Local Self Government, Government of Rajasthan

Bishnu Charan Mallick (IAS)

Former District Collector, Udaipur, Rajasthan

Anandhi (IAS)

Former District Collector, Udaipur, Rajasthan

Chetan Ram Deora (IAS)

Former District Collector, Udaipur, Rajasthan

Tara Chand Meena (IAS)

District Collector, Udaipur, Rajasthan

Sidharth Sihag (IAS)

Former Chief Executive Officer, Udaipur Smart City Limited

Qummer Ul Zaman Choudhary (IAS)

Former Chief Executive Officer, Udaipur Smart City Limited

Neelabh Saxena (IAS)

Former Chief Executive Officer, Udaipur Smart City Limited

Aparna Gupta (IAS)

Chief Executive Officer, Udaipur Smart City Limited

Pradeep Singh Sangawat (RAS)

Additional Chief Executive Officer, Udaipur Smart City Limited

Darshana Gupta

Financial Advisor, Udaipur Smart City Limited

Arun Vyas

Chief Engineer, RUDSICO, Jaipur

Mukesh Pujari

Superintendent Engineer, Udaipur Smart City Limited

Apoorva Parashar

Deputy Town Planner, Udaipur Smart City Limited

Dinesh Pacholi

Executive Engineer, Udaipur Smart City Limited

Mayank Garg

Accounts Officer, Udaipur Smart City Limited

Karnesh Mathur

Assistant Engineer, Udaipur Smart City Limited

Lalit Gupta

Chief Construction Manager, PMC, Udaipur Smart City Limited

Bhavesh Soni

Company Secretary, Udaipur Smart City Limited

Devanshu Saxena

Chartered Accountant, Udaipur Smart City Limited

Last but not the least

The whole Team of PMC, Grow Ever Infra Pvt. Limited

Brief Note

Udaipur Smart City Ltd. (USCL) is a special purpose vehicle formed under the Smart Cities Mission, a flagship program of the Government of India launched in 2015 with the objective of developing sustainable and inclusive cities across the country. USCL was incorporated in 2016 with a vision to transform Udaipur, a city located in the western Indian state of Rajasthan, into a smart and livable city.

The mission of USCL is to create a sustainable urban ecosystem that is economically, environmentally, and socially sustainable. To achieve this goal, USCL is implementing various projects aimed at improving the city's infrastructure, transportation, public services, and overall quality of life for its citizens. The key focus areas of USCL are Heritage Conservation, integrated infrastructure, mobility, water supply, sewerage, solid waste management, etc.

USCL's heritage conservation project is a major undertaking aimed at preserving culture of Udaipur. The project involves the restoration and revitalization of several historic buildings, monuments, and public spaces in the city.

To address the infrastructure challenges in the walled city of Udaipur, USCL developed an area-based development plan covering 828 acres (3.4 sq.km.) of the city, which is home to 20% of the total population. The plan includes retrofitting the area to international standards of hygiene,

reliability, and quality of essential services such as water, power, and transportation to make it more resilient to future growth pressures.

The Command & Control Centre is created to monitor and control various city services, including traffic management, emergency response, and public safety. USCL has also implemented various projects to promote sustainable mobility, such as the development of Smart Roads, construction of 100 bus shelters & parking projects across the city, junction improvements, development of dedicated bicycle lanes, PBS Stations, etc. These initiatives have helped to reduce traffic congestion and air pollution in the city.

The works towards efficient collection, transportation, and disposal of Municipal Solid Waste have become a source of revenue, cost reduction, and a means of promoting a cleaner, healthier, and more sustainable city for its community.

These projects were aimed at improving the quality of life for residents, promoting tourism, and generating economic opportunities for local communities. By implementing a range of initiatives across multiple sectors, USCL is playing a critical role in making Udaipur a livable, inclusive, and technologically advanced city.

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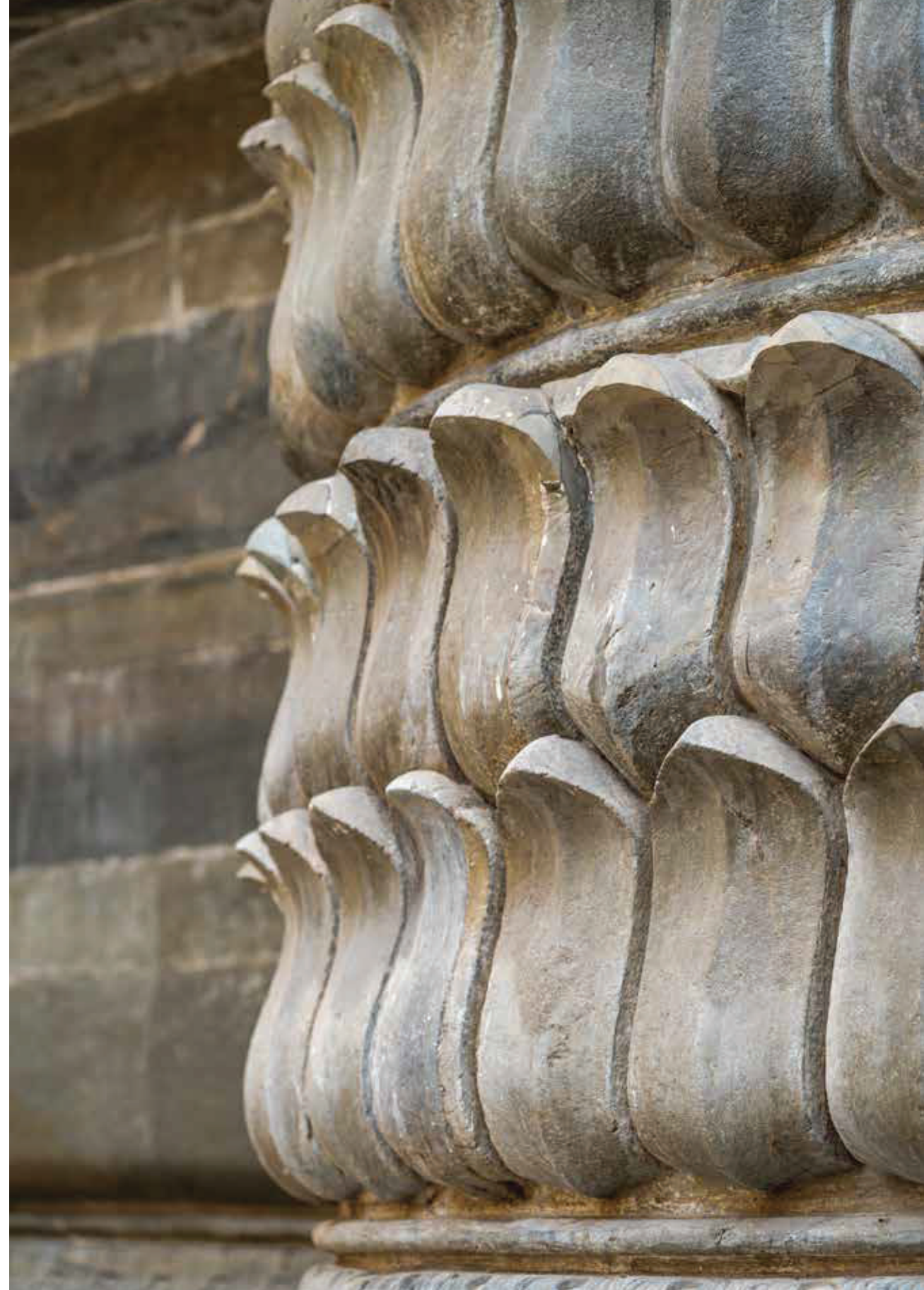
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HERITAGE CONSERVATION & RESTORATION WORKS

Project Cost -
INR 40 CR

The restoration of the city's heritage to its original character, by using archival construction techniques and traditional building materials. This action has not only revived the enthusiasm and excitement among its residents, but also placed the city as a desirable tourist destination on the global map.



INITIATIVE

- ◆ A total of 10 historical gates, including Satta Pol, Chand Pol, Amba Pol, Ram Pole, Udia Pol, Delhi Gate, Hathi Pol, Kishan Pol, Brahm Pol, and Suraj Pol, were meticulously conserved and restored.
- ◆ As part of the conservation works in bazaars, a total of 944 buildings were restored and new uniform signages were also installed for all the shops to maintain a similar language. These efforts covered a range of bazaars including those from City Palace to Jagdish Chowk, Ghantaghar, Moti Chouhatta, Jagdish Chowk to Gangaur Ghat, Bada Bazaar, Nani Gali & Ganesh Ghati Zone, Bhatiyani Chauhatta, and Chand Pol & surrounding lanes.
- ◆ A total of 8 Ghats around the city lake were restored back to its beauty namely Chand Pol ghat, Satta Pol Ghat, Parshu Ghat, Gangaur Ghat, Lal Ghat, Hanuman Ghat, Dhobi Ghat and Imli Ghat.
- ◆ The 6 kilometer long heritage fort wall around the walled city, stretching from Nai Pulia to Swaroop Sagar Pal, Kishanpol to Jal burj, Udia Pol to Kishan Pol, Gangaur Ghat to Dhobi Ghat, and Brahma Pol to Chand Pol, was restored by extensive conservation and preservation efforts.
- ◆ Several public buildings were also restored to their former glory namely Saraswati Library, Navalakha Mahal, Fateh Memorial Building, Residency Girls School Building, Shepherd Memorial Church Building, Ayurvedic Hospital, Collectorate building and Prakratik Chikitsalaya.

- ❖ The conservation and restoration of heritage structures have significantly increased tourist footfall in the city, leading to a rise in revenue and employment opportunities.
- ❖ This initiative has reinstated the city's historic beauty that was previously at risk due to modern working practices.
- ❖ Many heritage structures that were on the verge of decay or disappearance have been preserved for future generations to admire and appreciate.
- ❖ The protection of historical sites has also led to the revitalization of previously unexplored or forgotten monuments, which have now become popular tourist destinations.
- ❖ Citizens were encouraged to use traditional procedures and materials, thereby supporting the preservation of traditional knowledge and skills.
- ❖ The conservation and restoration efforts have sparked a renewed sense of enthusiasm and pride among the city's residents.

IMPACT



FORMER CONDITION

The historic buildings and facades of the old city have suffered from neglect and a lack of serious preservation efforts, leading to their deterioration and loss of original character. The city's high population growth, improper disposal of solid and liquid wastes, lack of regular maintenance, and ignorant human behaviour had contributed to the worsening of the situation. Encroachment in structures and the replacement of original material in their facades, resulted in a significant loss of cultural and historical value. The structures were in atrocious conditions due to various reasons such as damage from microbiological actions, climatic factors, and seepage of water. Restoration work was urgently needed to address these issues and preserve the structures for future generations

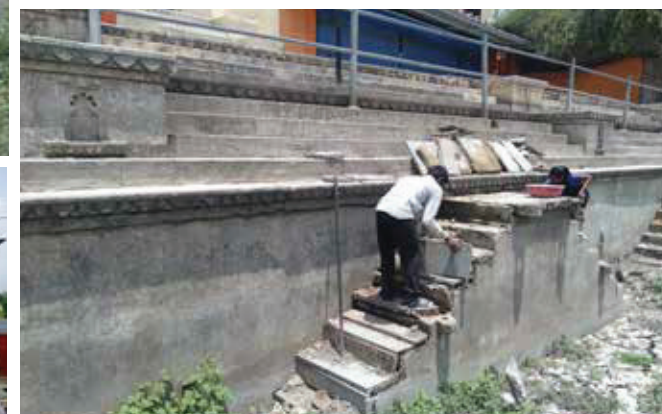


CRAFTSMANSHIP

Conventional conservation approaches have been used to preserve historic structures, utilizing archival construction techniques and materials. Advanced construction technology and traditional building materials such as lime mortar and stone elements have been used to retain the city's heritage and restore it to its original character. Roofs, terraces, and wooden doors have also been restored.

Major Scope:

- Lime conservation on facades.
- Stone cleaning & stone crack stitching, restoration of ornamental stone cladding.
- Re-exposing the hidden traditional fresco art on buildings.
- Restoration of traditional wooden gates.
- Structural retrofitting of veranda structure.





Above : Suraj Pol

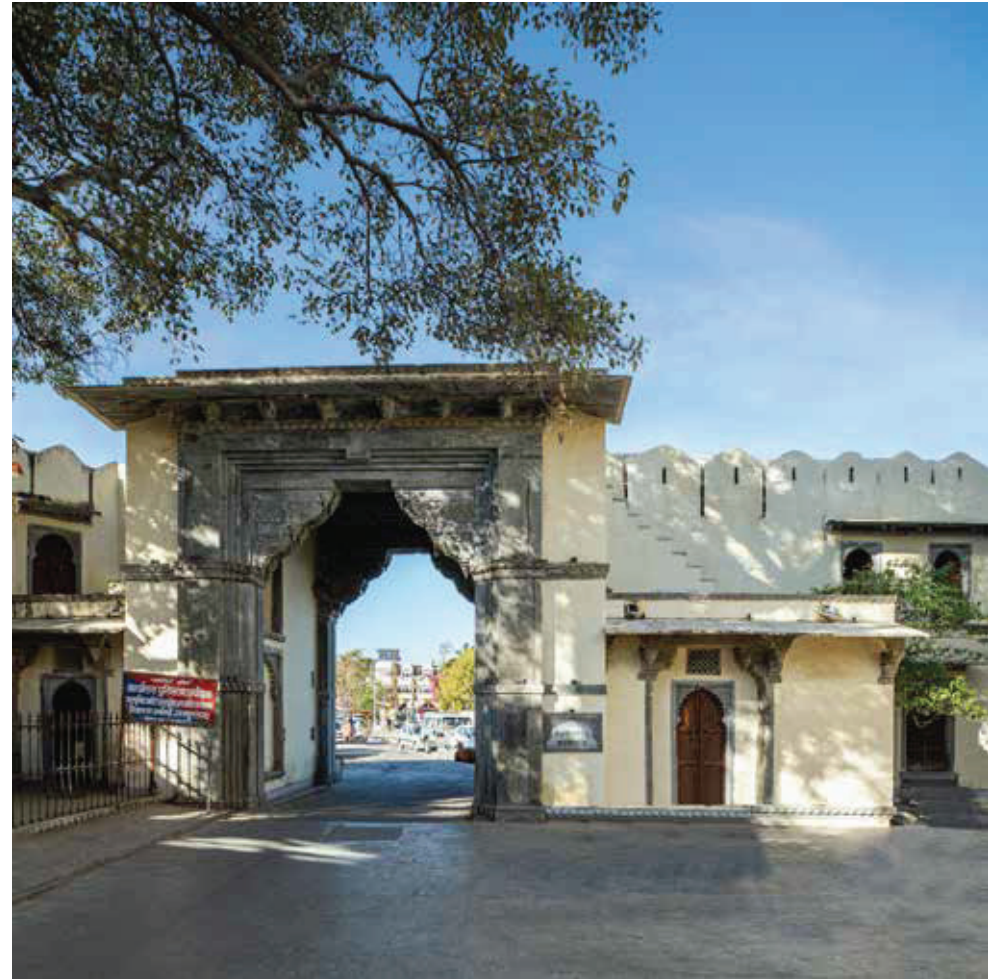
Right page : Suraj Pol Interior View





Left : Stone Bracket Suraj Pol
Right :Handcarved stone Columns, Suraj Pol
Right Page : Udai Pol



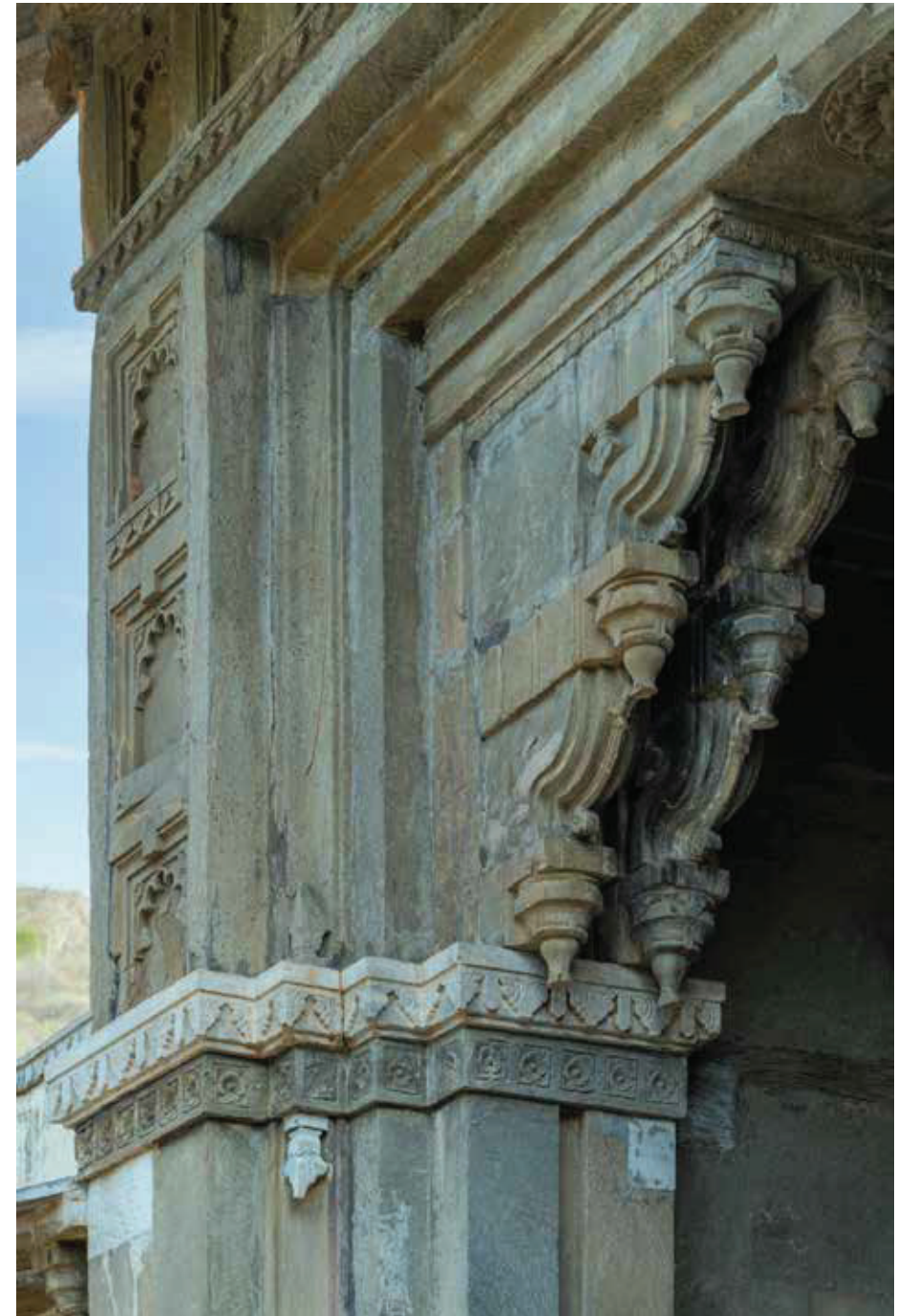


Left : Hathi Pol

Right : Amba Pol

Right Page : Night view of Brahma Pol





Top Left : Jal Burj Pol

Bottom left : Amphitheatre, Kishan Pol

Right : Bracket at Ram Pol

Right page : Daiji Ki Pulia (Pedestrian Bridge), Satta Pol





Above : Aerial View of Kishan Pol



Top Left : View of Ram Pol
 Bottom left : Handcarved Column Base, Ram Pol
 Right : Handcarved Coupled Column, Ram Pol



Left : Gadiya Devra Chowk View

Right : New uniform signages proposed for all the shops in ABD area

Right Page : Jagdish Mandir to Ghanta ghar Bazaar View



प्रम निवास
26 09

RUDRASH
JEWELLERS
रुद्राक्ष ज्वेलर्स

Ray-Ban CAPITALS
SPEC SAVER
OPTICIAN

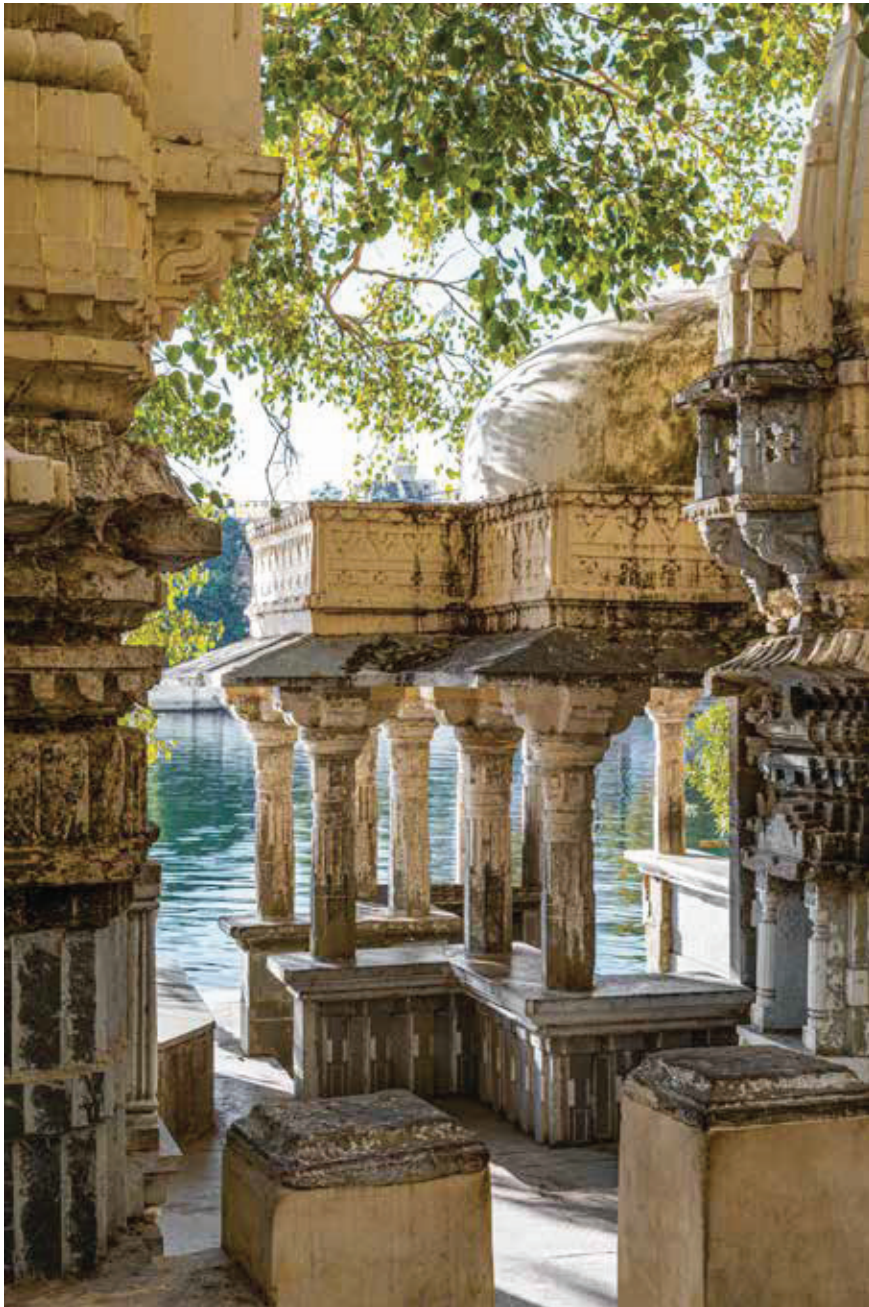
Rishabh
Deal In:- Old & New Gold
Birth Stones, Antiques
SHOP NO. 26 JAG



Left : City Palace of Jagdish Chowk, Bazaar view
 Top Right : Gangwar Chat to Jagdish Temple Bazaar view
 Bottom Right : Bazaar at Jagdish Chowk



Above : Street connecting Gangwar Ghat to Jagdish chowk Bazaar



Left : Temple at Gangaur Ghat

Top Right : Temple Dome at Gangaur Ghat

Right Page : Gangaur Ghat alongside Lake Pichola





Above : Ritual performing area at temple, Gangaur Ghat
Right Page : Handcarved Corbel brackets, Gangaur Ghat





Left & Right : Views of Imli Ghat, (Mardana)



Left : View of Parashu Ghat
Right : View of Imli Ghat, (Janana)

FORT WALLS



Left : Fort Wall leading to Karni Mata Temple
Right : View of Fort Wall & Lake Pichola from Karni Mata Temple
Right Page : Fort Wall from Chandpole to Swaroop Sagar







A view of Fort wall surrounding Swaroop Sagar



Top Right : Stone Chatri on the Terrace, Bagore Ki Haweli

Left : Handcarved Detail of Storied Lotus Fountain

Right Page : View of Central entrance Courtyard, Bagore Ki Haweli





Left : Intricately carved stone cornice & railing
Top Right : Details of Chajja & engraved flower Parapet
Bottom Right : Bracket & Cornice, Bagore Ki Haveli
Right Page : Arched doorways & Lotus shaped fountain in central courtyard

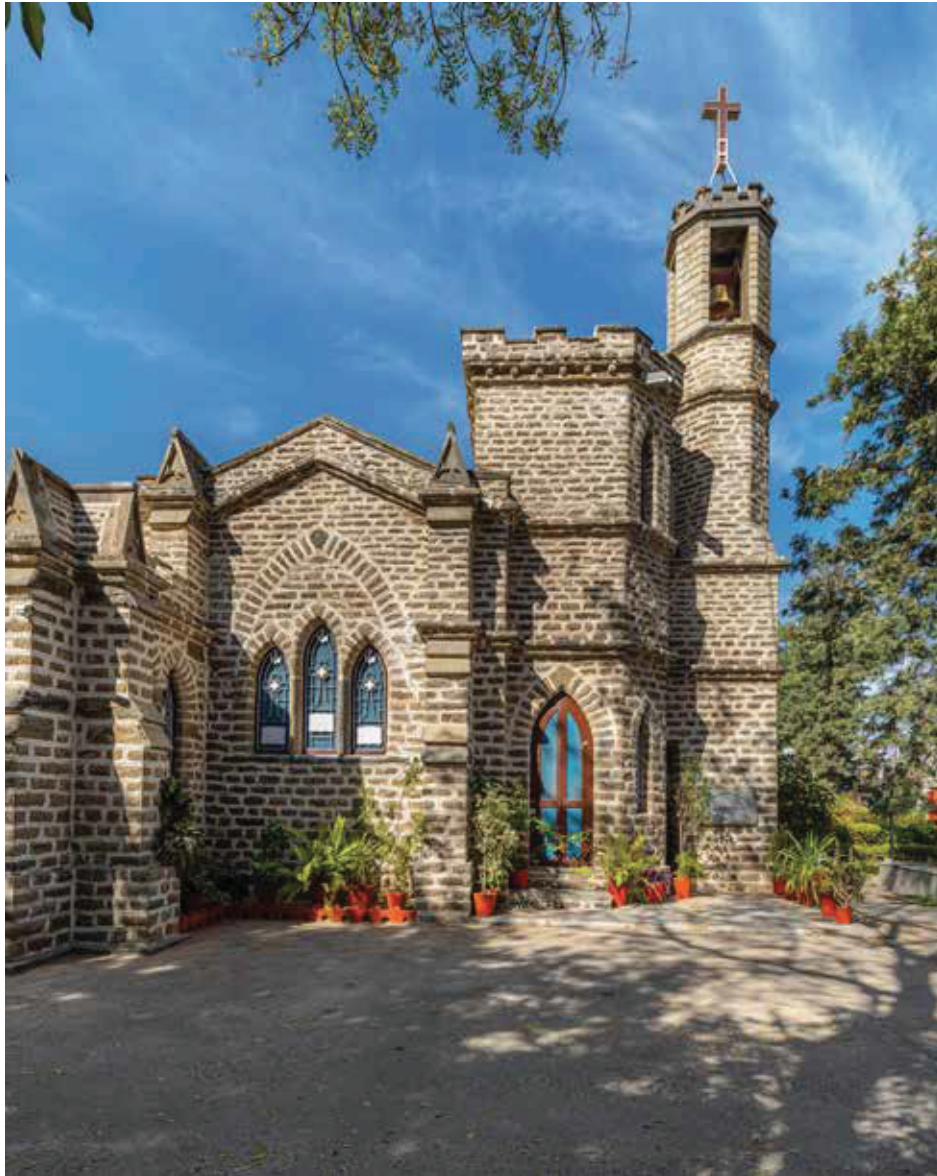




Lake Side Facade of Bagore Ki Haveli



Reconstructed Stone Chhatri facing towards Lake Pichola



Left : East facade of Church, Chetak Circle

Right : Pointed Arched Church Doorway

Right Page : Shepherd Memorial Church in Stone





Above : Corridor Transformed into a Study Space
Right : Stone carved Chhatttri, Arches, Chhajja & Dome
Right page : Sarawati Bhawan Library







Left: Common reading space in Library
Right: Bookshelves in the Library



Above : Aerial view of Saraswati
Bhawan in Gulab Bagh

Right : Beautiful carved Indo-Islamic Chhattri







Restored Colonial Columns & Arches at Govt. Girls Senior Secondary Residency School



Left : View of double storey Collectorate Building

Right : Main Entrance of Collectorate Building



Left : Main Entrance of Fateh Memorial
Right : Aerial view of Fateh Memorial

INTEGRATED INFRASTRUCTURE FOR ABD (WALLED CITY) AREA

Project Cost -
INR 600 CR

The walled city has been transformed with modern infrastructure and upgraded utility support systems enhancing tourism and urban activity while preserving the heritage. These International standards for hygiene, water, power & more, enhance the city's resilience and provide a foundation for sustainable development, improving overall quality of life of the citizens.

An impactful step towards including the 3.4sq. km walled city of udaipur into the smart city initiative, without disturbing it's heritage value



INITIATIVE

- ❖ Construction of water and sewerage network, utility ducts for power and communication cables, and rehabilitating & upgrading existing infrastructure. This includes provision of underground power, telecom and all other utilities and services.
- ❖ Construction of a Water Treatment Plant with a capacity of 23.47 MLD to facilitate 24x7 water supply to the city.
- ❖ In Integrated Infrastructure - sewerage network system of 80000 m long covering 25,877 House service connections, Water supply Network System of 1,00,000 meters long for 20,610 House service connections, Electrical Duct of Pipes of 2,51,446 meters long with 23,737 House connections have been laid out in the walled city.
- ❖ Renewal & widening of approx. 90 Kms of road.
- ❖ SCADA system for water network, sewerage system and power & telecom cable distribution to regulate and control the network.

- ❖ Adequate water supply and improved public hygiene for all alongside minimizing the illegal water connections in the city.
- ❖ Underground provision of the overhead power lines has reduced illegal electrical connections and increased safety.
- ❖ The underground provision of storm water lines has enabled the closure of open drains and channels, leading to improved public health and hygiene in the area. This has also allowed for the widening of roads, resulting in smoother and traffic-free movement.
- ❖ Project enhanced job opportunities for the inhabitants of the walled city area.
- ❖ This has also boosted the tourist footfall and the city's beauty.
- ❖ Optimized performance of the infrastructure, reduce down time & improves in the overall efficiency of city's operation.
- ❖ Provision of underground utility ducts resulting revenue generation and avoiding the disruption and expense of digging up the street.

IMPACT



Left : Before construction of sewerage network

Middle : Work in progress

Right : View of street after execution of Integrated Infrastructure work

Right Page : Street view of Bazaar Street view





Left : Nani Gali Street view

Top Right : House service connection fidder pillar

Bottom Right : Gulab Bagh to Samoor Bagh Street view

Right Page : Ghanta Ghar to Jagdish Chawk view





चार
भुजा
ज्वेलर्स

SHREEJI UJALA POLISH
श्रीजी उजाला पोलिश

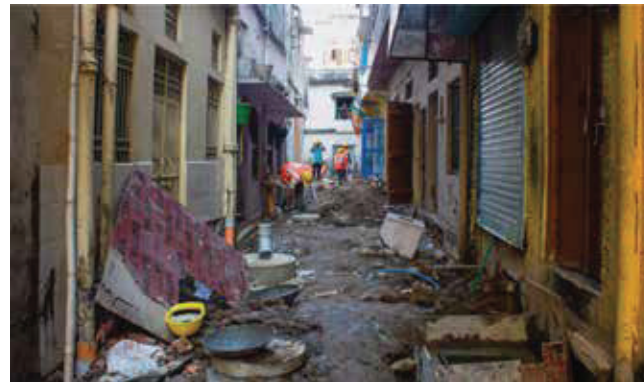
Roopam
JEWELLERS

ROOPAM JEWELLERS
रूपम ज्वेलर्स

NEHA JEWELLERS
नेहा ज्वेलर्स

CHANDN

RJ27B
E7140



Left : Gangaur Ghat to Gadiya Devra Chowk

Top Center : Kala ji Gora ji main road

Top Right : Process of Micro Tunneling at Khanjipeer Road

Bottom Right : Integrated work in progress at Bhandariyun Ki Ghati

Right Page : Ganda Ghar to Jagdish Chowk road



WATER TREATMENT PLANT

Project Cost -
INR 24.00 CR

An extensive network of new water distribution system provides 24x7 clean metered water to the ABD area, promoting public hygiene and well-being in the community.



INITIATIVE

- ◆ The WTP's capacity has been raised to 23.47 MLD, allowing it to process a higher volume of water per day.
- ◆ The expanded WTP provides 24x7 treated water supply.
- ◆ The design of the plant considered service, maintenance needs, and automation.
- ◆ Installation of additional pumps along with increased pump power & laying of new water pipelines.
- ◆ The design of the building is in harmony with the surrounding architecture and historical context.
- ◆ Appropriate treatment and disposal of scum.

- ❖ This initiative would improve health and quality of life for walled city residents.
- ❖ A sustainable water supply program and reduced strain on groundwater.
- ❖ Enhanced performance with reduced errors & increased efficiency along with quicker routine maintenance.
- ❖ Adequate water supply to meet the needs of the current & increasing population.
- ❖ Reduced environmental impacts.

IMPACT





Top : 23.47 MLD Water Treatment Plant
Bottom Left : Filter Back wash Pipeline
Bottom Right : Machine Room , WTP
Right Page : Gravity Sulldge Thickener





Left : Electric Panel and Control Room
Right : Chlorination Chamber

Left : Aerial view of different treatment units of WTP



SEWERAGE TREATMENT PLANT

Project Cost -

INR 80.00 CR

Three STPs with capacities of 25MLD, 10MLD, and 5MLD constructed across the city to achieve 100% sewage treatment.



INITIATIVE

- ◆ 25 MLD plant at Eklingpura, 10 MLD plant near FCI and 05 MLD plant near Karjali complex are the newly constructed Sewerage Treatment Plants.
- ◆ All 3 STP's are upgraded with SBR technology and are constructed and operated under the Hybrid Annuity Model.
- ◆ The plants are fully automatic with provision of mechanical screens motorized gates and valves, grit separators, bio-reactors disinfection; centrifuge PLC, SCADA and Laboratory (one for each STP).
- ◆ Effluent parameters such as BOD, COD, suspended solids, Nitrogen, Phosphorous etc., are also monitored and maintained as per latest directions of CPCB.

- ❖ Effluent (treated wastewater) produced is suitable for surface water discharge or land use, indicating effective removal of pollutants and contaminants.
- ❖ The initiative led to decreased incidence of diseases like dengue and malaria associated with open wastewater and improved hygiene in the area.
- ❖ The sludge removed from STPs is repurposed fertilizer for agriculture, contributing to more sustainable practices and reducing waste.
- ❖ It promotes sustainable development by reducing the burden on the environment through the treatment and recycling of wastewater.

IMPACT



Left : Main Purification Tank

Right : 25MLD Sewage Treatment Plant

Right Page : Aerial view of 45MLD Sewage Treatment Plant



SOLID WASTE MANAGEMENT

Project Cost -
INR 49.5 CR

The efficient collection, transportation, and disposal of Municipal Solid Waste has become a source of revenue, cost reduction, and a means of promoting a cleaner, healthier, and more sustainable city for its community.



INITIATIVE

- ◆ 49 numbers of Auto Tippers are introduced in the city for 100% door to door collection of Solid Waste.
- ◆ Constructed Transfer station where waste compressed into 20 - tonne capsules for efficient transport, with compactors and hence increasing capacity to transfer waste.
- ◆ A total of 5 weighing bridges are installed to measure the daily collection of solid waste.
- ◆ 32,830 square meters of land were reclaimed in Balicha dumping site by processing legacy waste, and a garden is developed on the reclaimed land.
- ◆ Bio Methanation plant of capacity of 20 TPD that breaks down the organic matter into a stable residue, and generate a methane-rich biogas in the process.
- ◆ 30 TPD Wet Waste Processing Plant that produce compost from the wet waste.
- ◆ 2 Materials Recovery Facility (MRF) plant, under which solid waste is recycled by separating and processing using mechanical and manual methods and eventually sold to recycling and manufacturing firms.
- ◆ 50 TPD Construction and Demolition waste plant along with Paver and Brick manufacturing machinery.

- ❖ Waste is today collected from door to door and treated efficiently- increasing the city's hygiene and sanitation.
- ❖ Number of waste transporting vehicles reduced which resulted in the reduction of fuel cost, wear and tears and traffic congestion ensuring quick transportation of waste.
- ❖ Gas generated from waste in Biomethanation plant, allows to generate revenue while eliminating waste disposal in dumping yards.
- ❖ Many of the Solid Waste Interventions becomes self-sustainable due to use of modern technologies and people centric approaches.
- ❖ Kitchen waste, wet waste, waste of hotels etc. now become raw materials for compost and biogas.
- ❖ Installation of sanitary vending machine across city that helps the citizens to dispose the sanitary waste.
- ❖ City stated earning revenue and has the potentiality to become self-sustainable.

IMPACT



Top : Bio Methanation Plant 20 TPD
Bottom Left : Land Reclamation site, Titardi
Bottom Right : Bio Methanation Purification Unit



Above : Transfer Station, Kumharo ka bhatta



Left : Bio Mining Process Plant
Right : Construction & Demolition Waste Processing



Above : Solid Waste Management site with Land Capping , Titardi

MOBILITY

Project Cost -

INR 126.00 CR

The development of mass transit infrastructure, smart roads, green corridors, inclusive spaces, cycling infrastructure and convenient spaces parking leads to a more sustainable city.



INITIATIVE

- ❖ The development of 2 Smart Roads with cyclist-pedestrian friendly infrastructure and social - recreational spaces for all ages.
- ❖ To address parking issues, 6 Dedicated Multilevel Parking and Puzzle parking were constructed across the city.
- ❖ Developed 100 bus shelters citywide in 2 phases as part of the Mass transit project.
- ❖ Introducing Public Bicycle Sharing with My Byks and Adventure Wings, offering citizens and tourists easy online rentals and drop-offs at designated bike stations.
- ❖ The Junction Improvement Project at Suraj Pol was undertaken.
- ❖ A flyover was constructed at the vital and busy junction of Kumharo ka Bhatta and utilized the space under the flyover for parking, safe crossings and landscape.

- ❖ The Mass Transit network has allowed people to commute longer distances with cheaper fares.
- ❖ Improves vehicle circulation and safer parking spaces.
- ❖ Green promenades have contributed to reducing the microclimate of the area, along with enhancing street views
- ❖ New inclusive spaces, encouraged individuals from all social & economic groups to participate in the street.
- ❖ Improving transportation efficiency would eventually lead to increased economic activity and job growth.
- ❖ Promoting cyclist - pedestrian friendly infrastructure encourages a healthy lifestyle and minimizes pollution.
- ❖ Flyover alleviated traffic congestion and improved transportation efficiency, reduced travel time and increased road safety. Also, proved a safe and convenient solution to on-street parking congestion.

IMPACT





Top Left : Promenade with Public Inclusive Spaces
 Top Right : Aerial view of Hiran Magri Smart Road
 Bottom Left : Service Road with Footpath & Parking
 Bottom Center : A Walkway in Promenade
 Bottom Right : Shaded Sitting area in promenade
 Right Page : View of Smart Road Street with Central Promenade





Top Left : Designated 3M wide Cycle track
Right : Aerial View of Balicha Smart Road





Left : PBS Bike Parking station at Fateh Sagar Pal

Top Right : Public riding PBS bicycles

Bottom Right : Students riding rented bicycles



Top Left : Night view of Flyover

Right : Painted Columns & under space kept for Parking

Right Page : Aerial view of Kumharo ka Bhatta Flyover







Top : Bus Shelter at Hiran Magri Smart Road
Bottom Right : Electric display, Bus Shelters
Right Page : Bus Shelter & Bus stoppage point,
Hiran Magri Road







Left : Puzzle Parking at Suraj Pole junction

Right : SIERT Campus Parking area



Top Left : Main gate of Nada Kheda Parking

Top Right : Inside view of PWD Parking, Gulab Bagh

Left : MB Hospital Parking



Aerial view capturing Bapu Bazaar, Suraj Pole & Junction



Night view of Suraj Pole Junction

RECREATIONAL

Project Cost -
INR 3.35 CR

Citizen now can experience fitness, play, and inclusivity in their city with newly developed open gymnasiums, basketball courts, and inclusive/accessible parks adjoining the lake.



INITIATIVE

- ◆ An open gymnasium spanning 1700 sqm and containing 14 different equipment is now available for all citizens in the city.
- ◆ Two basketball courts were constructed at Luv Kush Stadium.
- ◆ Transformed a land of 1500 sqm adjacent to Goverdhan Sagar Lake into an all abled friendly park/garden with swings & children play area with placemaking activities, sittings overlooking the lake.
- ◆ A ring road was constructed around Goverdhan Sagar Lake, with footpaths, street furniture, parking facilities, cycle stands, and an open plaza areas, providing citizens with a new recreational space.

- ❖ Increased opportunities for citizens to participate in sports and physical activity.
- ❖ Open gym helped in improvement of physical fitness and overall health of all the age group of citizens.
- ❖ The increased access to nature and green spaces for citizens and visitors has led to an improvement in their overall quality of life.
- ❖ Creation of a new recreational space for citizens to enjoy the lake and surrounding areas, potentially leading to increased social connections and community engagement.
- ❖ Potential for increased tourism and revenue for the city through attracting visitors to the park's inclusive facilities and scenic views of the lake.
- ❖ Improved traffic flow and reduced congestion around the lake, potentially leading to reduced emissions and improved air quality.

IMPACT



Above : Basket Ball court, Luv Kush Stadium
Right Page : Luv Kush Stadium





Left : Aerial view of newly developed Garden at Goverdhan Sagar

Bottom Right : Kids play area , Goverdhan Sagar

Right Page : Place making activity, Sittings overlooking the Lake







Left & Right : Goverdhan Sagar Ring Road.

Right Page : Developed footpath & sittings overlooking Goverdhan Sagar, Ring Road.



EDUCATION

Project Cost -
INR 11.00 CR

Enhance environment for education by renovating Schools and Anganwadis, providing modern technology and better layouts to improve learning environments.



INITIATIVE

- ◆ Developed 40 smart classrooms across 26 schools with multimedia content and interactive technology.
- ◆ Constructed 40 schools and anganwadis with utilities like clean drinking water, health and hygiene facilities, and play areas with toys and equipment.
- ◆ Designed classrooms with vibrant mural art and smart interactive equipment to provide an engaging learning experience for students.
- ◆ Digitized and microfilmed 730 books of Saraswati Library to preserve ancient documents and books.

- ❖ Enhanced learning experience for students, making it more engaging and impactful.
- ❖ Creating a stimulating and exciting learning environment can have a positive impact on academic performance by fostering curiosity, creativity, and critical thinking skills.
- ❖ With more stimulating and exciting learning environment, lead to improved academic performance.
- ❖ Able to preserve valuable ancient documents for future generations and facilitate easier access to historical knowledge.

IMPACT





Left : Government Girls Senior Secondary School

Right : Smart Class Room in Govt. Senior Secondary School Hiran Magri, Sector 4

Right Page : Govt. Higher Sec. School, Kanwarpada



हर तरफ रखो साफ-सफाई

स्वच्छता को अपनाना है, विद्यालय को स्वच्छ बनाना है

हम सबका पौष्टिक स्वस्थ शिवालय है, अपना

कदम से कदम मिलाता है, विद्यालय को स्वच्छ बनाना है

SOLAR ROOFS

Project Cost -

INR 3.00 CR

Setting up of approximately 500 KW of solar power, has given Udaipur an opportunity to lead with example. The project includes designed and engineered solar modules, DC systems, inverters switchgears, and monitoring facilities. Reducing environmental pollution & generating cost-effective energy, has allowed for excess power to be sold back to the grid leading reduced in electricity bills and a step towards sustainable future.





Left : Aerial view of Solar Panels at Titardi

Right : Aerial view of Solar Panels at Saraswati Bhawan Library

ABHAY COMMAND & CONTROL CENTRE

Project Cost -

INR 46.00 CR

The Abhay Command & Control Centre monitors city management activities, enhances traffic management, and improves surveillance with high-resolution cameras installed at prominent locations. The centre includes a live MIS dashboard, LED video wall screen, and cyber forensic room for “Dial 100”. The installation of CCTV cameras has led to a reduction in traffic violations, crime rates, and easy tracking of criminals.



Extreme Top : Monitoring by Live MIS Dashboard

Top Left & Right : Cyber Forensic Room & Police Monitoring Area

Bottom : Control Management for “Dial 100”

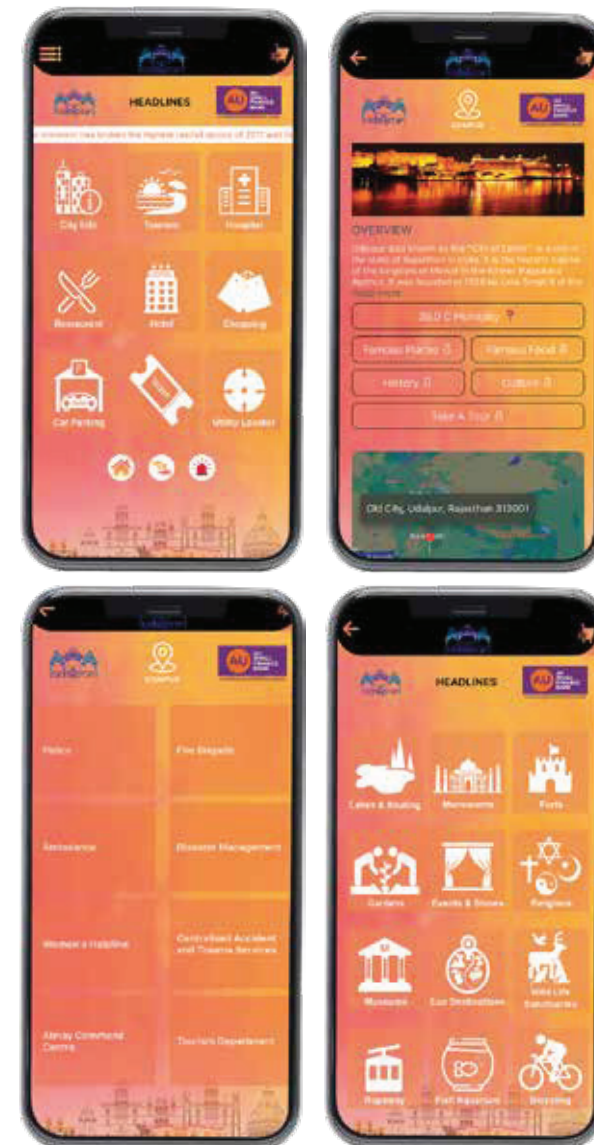
Right Page : Monitoring of city Activities



UDAIPUR SMART CITY LTD. APP

Project Cost -
INR 22 LAKHS

The Udaipur Smart City App is an Android & iOS based mobile application created by Udaipur Smart City Limited in response to the increasing demand towards ease of doing things with technology. The citizens or users can get details about city services or utilities such as Fuel Stations, ATMs, Banks, Marriage Halls, Public Toilets, Money Exchange, etc. along with and emergency services such as Fire Brigade, Ambulance, Police Stations, Women Helpline, etc. This app facilitates citizens to book tickets anytime or anywhere with ease at almost every tourist attractions, thereby fostering business growth. This app provides information of Public Parking facilities, locations of Bus stops & its routes and PBS stations. The city open-data will provide valuable information to the citizens, would save time on standing in long queue for ticketing and thus improve their quality of life and generate wealth.



Various Services /Utilities offered in App.



Promotion of App through hoardings at tourist sites.



ACHIEVEMENTS

- ❖ Udaipur Smart City Limited won the HUDCO Design Award 2021-2022 under category Heritage Conservation. As a token of appreciation, USCL received an amount of Rs. 2 Lakhs.
- ❖ USCL developed a dedicated cycling track and ranked among the top 25 cities in India under the “India Cycles 4 Change” challenge.
- ❖ Udaipur Smart City Ltd. transformed Pahari Bus stand, Chetak Circle & Indira Gandhi Kachi Basti into a walking-friendly street and safe junction. The transformation was done in just 75 hours of Placemaking interventions under Azadi ka Amrit Mahotsav, and ranked among the top 11 cities in India under “Street 4 People” challenge. USCL also been awarded with Rupees 50 Lakhs from the Ministry of Housing & Urban Affairs (MoHUA) as a token of appreciation.

Congratulations !
Winners of
HUDCO Design Awards
2021-22





Top Left : Transformed Pahari Bus Stand, into a walking friendly street
 Top Right : Safe junction, designated spaces for hawkers & Vendors and Parking
 Bottom Left : Transformed Kachi Basti into a safe & friendly neighborhood
 Bottom Right : Interactive wall for kids in Kachi Basti







HIGHLIGHTING THE PROJECTS OF
UDAIPUR SMART CITY LIMITED