



Government of Karnataka

# URBAN INFRASTRUCTURE SHELF OF PROJECTS



**INVEST  
KARNATAKA  
2016**

*GLOBAL INVESTORS MEET*

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Bangalore Palace, Bengaluru



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|----|--|
| 31 | Development Of Six lanes, 10.6 km North-South Corridor Connecting Central Silk Board To Hebbal. (I.E., Nh-7 Towards Hosur To Nh-7 Towards Ballari)                           |
| 32 | Development Of Six lanes, 19.7 km East-West Corridor-1 Connecting K.R.Puram To Gorguntepalya. (I.E., NH-4 Towards Old Madras Road And NH-4 Bengaluru - Pune Road)            |
| 33 | Development of Six lanes, 27.7 km elevated corridor connecting Jnanabharathi to Varthur Kodi   |
| 34 | Development Of four lanes, 9.2 km Connecting Corridor-1; Connecting North-South Corridor & East - West Corridor-2 From Agra To Kalasipalya                                   |
| 35 | Development Of four lanes, 2.3 km Connecting Corridor-2; Connecting East -West Corridor-1 & East - West Corridor-2 From Richmond Road To Ulsoor                              |
| 36 | Development Of for lane, 5.7 km Connecting Corridor-3; Connecting Corridor From Kalyan Nagar Junction At Outer Ring Road To St. Johns Church Road And Wheelers Road Junction |

# Commercial Complex



1

# Commercial Complex

## 1. Redevelopment of Commercial Complex at Indiranagar, Bengaluru

The development proposes to construct two structures - a G+5 storey Mall cum Multiplex and a G+10 storey Commercial Complex. Provision for parking is done in the 2 basements which can accommodate a total of 1,932 ECS four wheelers.

The total built up area is 78,945 sqm of which 38,845 sqm is Mall cum Multiplex and rest is Commercial Complex.

**District:**

Bengaluru Urban

**Estimated Cost:**

INR 335 Crore

**Agency:**

Bangalore Development Authority

**Current Status:**

Bidding Stage / DPR completed



## 2. Redevelopment of Existing Market at RT Nagar

The project aims at the development of a new Shopping cum Commercial Complex at RT Nagar on the land owned by BDA which currently houses an old market. Existing users will be rehabilitated within the new market complex occupied by them equal carpet area in the new complex as available to them in the old market. The project consists of a Shopping Mall Cum office Complex - 2B +G+ 4. Provision of parking is done in the 2 basements. The total built up area of the project is 7,800 Sqm.

**District:**

Bengaluru Urban

**Estimated Cost:**

INR 49 Crore

**Agency:**

Bangalore Development Authority

**Current Status:**

Conceptualization Stage





### 3. Redevelopment of Existing Market at Austin Town

The project aims at the development of a new Shopping cum Commercial Complex at Austin Town on the land owned by BDA which currently houses an old market. The existing users will be rehabilitated within the new market complex by allotting them equal carpet area in the new complex as occupied by them in the old market.

Based on market research and client feedback, a Shopping Mall cum Multiplex & office Complex - 2B +G+ 4 is proposed. Provision of parking is done in 2 basements. The total built up area of the project is 20,533 sqm.

**District:**

Bengaluru Urban

**Estimated Cost:**

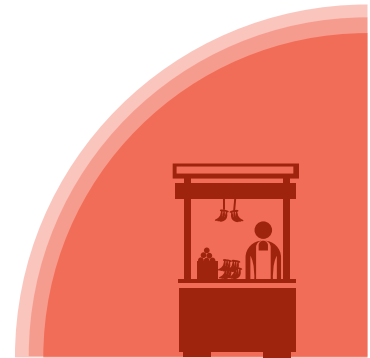
INR 123 Crore

**Agency:**

Bangalore Development Authority

**Current Status:**

DPR under preparation



### 4. Redevelopment of BDA Shopping Complex at Domlur

The project aims at the development of a new Shopping Cum Commercial complex at Domlur on the land owned by BDA which currently houses an old market. The existing users will be rehabilitated within the new market complex by allotting them equal carpet area in the new complex as was occupied by them in the old market.

The project consists of the following structures – a G+5 storeyed Mall cum Commercial Complex. Provision of parking is done in the 2 basements.

**District:**

Bengaluru Urban

**Estimated Cost:**

INR 21 Crore

**Agency:**

Bangalore Development Authority

**Current Status:**

Bidding stage/ DPR completed



## 5. Redevelopment of Mavalli Market, R.V. Road, Bengaluru

The proposed building complex with a built up area of 1,656 sqm will consist of basement floor, ground floor, first floor, second floor and terrace floor with lift machine room and staircase head room.

The type of construction is B+G+2 RC framed structure based on several parameters such as soil condition, space availability, no. of shops, and no. of offices required. Construction of a new building has been proposed with entry and exit gates, and it has also been proposed to dismantle the existing office building structures completely

**District:**

Bengaluru Urban

**Estimated Cost:**

INR 3 Crore

**Agency:**

Bruhat Bengaluru Mahanagara Palike

**Current Status:**

DPR under preparation



## 6. Construction of Market Complex at Akkipete, Bengaluru

A 3 floor market is to come up in Bengaluru with shops, parking space and common facilities. The FAR for the area is 1.75, over 3 floors. By constructing a new building to the allowable FAR Area of about 1,660 sqm, the BBMP will let out the top floors for office purpose. Common facilities like Public Toilets, Room for Garbage/Waste Converter etc have been proposed

**District:**

Bengaluru Urban

**Estimated Cost:**

NA

**Agency:**

Bruhat Bengaluru Mahanagara Palike

**Current Status:**

DPR under preparation



## 7. Opportunities in Metro properties at Mysore Road

### • Setting up of Multiplex With Retail shop and Foodcourt

The Bengaluru Metro Rail project is one of the most ambitious connectivity projects of the city. The project will have significant impact on property prices along the corridor. With the completion of Phase 1 of the Metro Rail project, it will be the biggest game changer along the corridor. The Phase 2 of the project, which is the extension of 4 reaches of Phase 1 plus two new lines, will further boost the commercial and residential activities in Bengaluru.

Understanding the real estate potential, BMRCL had acquired some prime area in and around the corridor with the completion of the Phase 1 scheduled within the next 6 months, BMRCL plans to offer these properties for development. Real estate development forms a critical component for the development of stations.

**District:**

Bengaluru Urban

**Estimated Cost:**

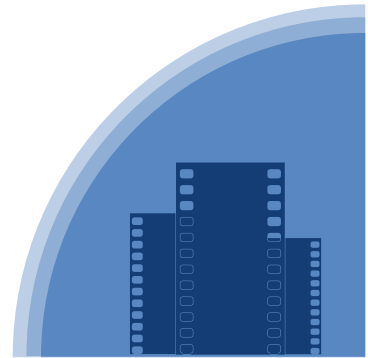
NA

**Agency:**

BMRCL

**Current Status:**

Conceptual Stage



## 8. Opportunities in metro properties at Banashankari

### (1) Establishment of IT/ITES Companies (2) Micro Markets (3) Parking Facilities

The Bengaluru Metro Rail project is one of the most ambitious connectivity projects of the city. The project will have significant impact on property prices along the corridor. With the completion of Phase 1 of the Metro Rail project, it will be the biggest game changer along the corridor. The Phase 2 of the project, which is the extension of 4 reaches of Phase 1 plus two new lines, will further boost the commercial and residential activities in Bengaluru.

Understanding the real estate potential, BMRCL had acquired some prime area in and around the corridor. With the completion of the Phase 1 scheduled within the next 6 months, BMRCL plans to offer these properties for development. Real estate development forms a critical component for the development of stations.

**District:**

Bengaluru Urban

**Estimated Cost:**

NA

**Agency:**

Bangalore Metro Rail Corporation Limited

**Current Status:**

Conceptualization Stage



## 9. Properties in S P Road

### (1) Commercial Activity (2) IT Related industry (3) Hospital

The Bengaluru Metro Rail project is one of the most ambitious connectivity projects of the city. The project will have significant impact on property prices along the corridor. With the completion of Phase 1 of the Metro Rail project, it will be the biggest game changer along the corridor. The Phase 2 of the project, which is the extension of 4 reaches of Phase 1 plus two new lines, will further boost the commercial and residential activities in Bengaluru.

Understanding the real estate potential, BMRCL had acquired some prime area in and around the corridor. With the completion of the Phase 1 scheduled within the next 6 months, BMRCL plans to offer these properties for development. Real estate development forms a critical component for the development of stations.

**District:**

Bengaluru Urban

**Estimated Cost:**

NA

**Agency:**

Bangalore Metro Rail Corporation Limited

**Current Status:**

Conceptualization Stage



## 10. Opportunities in the properties of North, South, West and East part of Bengaluru

### (1) Setting up of Destination Malls (2) Setting up of Speciality Malls (3) Setting up of Value Retail Format

The Bengaluru Metro Rail project is one of the most ambitious connectivity projects of the city. The project will have significant impact on property prices along the corridor. With the completion of Phase 1 of the Metro Rail project, it will be the biggest game changer along the corridor. The Phase 2 of the project, which is the extension of 4 reaches of Phase 1 plus two new lines, will further boost the commercial and residential activities in Bengaluru.

Understanding the real estate potential, BMRCL had acquired some prime area in and around the corridor. With the completion of the Phase 1 scheduled within the next 6 months, BMRCL plans to offer these properties for development. Real estate development forms a critical component for the development of stations.

**District:**

Bengaluru Urban

**Estimated Cost:**

NA

**Agency:**

Bangalore Metro Rail Corporation Limited

**Current Status:**

Conceptualization Stage



## 11. Opportunities in Metro properties at Jalahalli

### (1) Budget Hotels With Conference Hall (2) Malls With Theaters (3) Hotels

The Bengaluru Metro Rail project is one of the most ambitious connectivity projects of the city. The project will have significant impact on property prices along the corridor. With the completion of Phase 1 of the Metro Rail project, it will be the biggest game changer along the corridor. The Phase 2 of the project, which is the extension of 4 reaches of Phase 1 plus two new lines, will further boost the commercial and residential activities in Bengaluru.

Understanding the real estate potential, BMRCL had acquired some prime area in and around the corridor. With the completion of the Phase 1 scheduled within the next 6 months, BMRCL plans to offer these properties for development. Real estate development forms a critical component for the development of stations.

**District:**

Bengaluru Urban

**Estimated Cost:**

NA

**Agency:**

BMRCL

**Current Status:**

Conceptual Stage



## 12. Opportunities in Metro properties at Peenya

### • Micro Market

The Bengaluru Metro Rail project is one of the most ambitious connectivity projects of the city. The project will have significant impact on property prices along the corridor. With the completion of Phase 1 of the Metro Rail project, it will be the biggest game changer along the corridor. The Phase 2 of the project, which is the extension of 4 reaches of Phase 1 plus two new lines, will further boost the commercial and residential activities in Bengaluru.

Understanding the real estate potential, BMRCL had acquired some prime area in and around the corridor. With the completion of the Phase 1 scheduled within the next 6 months, BMRCL plans to offer these properties for development. Real estate development forms a critical component for the development of stations.

**District:**

Bengaluru Urban

**Estimated Cost:**

NA

**Agency:**

Bangalore Metro Rail Corporation Limited

**Current Status:**

Conceptual Stage





# Industrial Complex



2

### 13. Establishment of Modern Abattoirs in ULBs - Haveri

Directorate of Municipal Administration (DMA), Government of Karnataka (GoK) has proposed to develop modern abattoirs at initially 47 Urban Local Bodies (ULBs) jurisdictions across Karnataka. The modernization has been planned considering reduction in pollution, ensuring more humane treatment of animals, conforming to various standards of slaughterhouses, production of quality meat, utilization of by-products, and providing friendly environment to the worker to increase productivity.

**District:**

Haveri

**Estimated Cost:**

INR 7 Crore

**Agency:**

Directorate of Municipal Administration

**Current Status:**

Bidding Stage/DPR completed



### 14. Establishment of Modern Abattoirs in ULB's - Davanagere

Directorate of Municipal Administration (DMA), Government of Karnataka (GoK) has proposed to develop modern abattoirs in initially 47 Urban Local Bodies (ULBs) jurisdiction across Karnataka. The modernization has been planned considering, reduction in pollution, ensuring more humane treatment of animal, conforming to various standards of slaughterhouses, production of quality meat, utilization of by-products, and providing friendly environment to the worker to increase productivity.

**District:**

Davanagere

**Estimated Cost:**

INR 4 Crore

**Agency:**

Directorate of Municipal Administration

**Current Status:**

DPR under preparation





## 15. Establishment of Modern Abattoirs in ULB's - Madikeri

Directorate of Municipal Administration (DMA), Government of Karnataka (GoK) has proposed to develop modern abattoirs in initially 47 Urban Local Bodies (ULBs) jurisdiction across Karnataka. The modernization has been planned considering, reduction in pollution, ensuring more humane treatment of animal, confirming to various standards of slaughterhouses, production of quality meat, utilization of by-products, and providing friendly environment to the worker to increase productivity.

**District:**

Madikeri

**Estimated Cost:**

INR 9 Crore

**Agency:**

Directorate of Municipal Administration

**Current Status:**

DPR under preparation



## 16. Establishment of Modern Abattoirs in ULB's - Udupi

Directorate of Municipal Administration (DMA), Government of Karnataka (GoK) has proposed to develop modern abattoirs in initially 47 Urban Local Bodies (ULBs) jurisdiction across Karnataka. The modernization has been planned considering, reduction in pollution, ensuring more humane treatment of animal, confirming to various standards of slaughterhouses, production of quality meat, utilization of by-products, and providing friendly environment to the worker to increase productivity.

**District:**

Udupi

**Estimated Cost:**

INR 3 Crore

**Agency:**

Directorate of Municipal Administration

**Current Status:**

DPR under preparation



## 17. Establishment of Modern Abattoirs in ULB's - Koppal

Directorate of Municipal Administration (DMA), Government of Karnataka (GoK) has proposed to develop modern abattoirs in initially 47 Urban Local Bodies (ULBs) jurisdiction across Karnataka. The modernization has been planned considering, reduction in pollution, ensuring more humane treatment of animal, confirming to various standards of slaughterhouses, production of quality meat, utilization of by-products, and providing friendly environment to the worker to increase productivity.

**District:**

Koppal

**Estimated Cost:**

INR 6 Crore

**Agency:**

Directorate of Municipal Administration

**Current Status:**

DPR under preparation



## 18. Establishment of Modern Abattoirs in ULB's - Gadag

Directorate of Municipal Administration (DMA), Government of Karnataka (GoK) has proposed to develop modern abattoirs in initially 47 Urban Local Bodies (ULBs) jurisdiction across Karnataka. The modernization has been planned considering, reduction in pollution, ensuring more humane treatment of animal, confirming to various standards of slaughterhouses, production of quality meat, utilization of by-products, and providing friendly environment to the worker to increase productivity.

**District:**

Gadag

**Estimated Cost:**

INR 6 Crore

**Agency:**

Directorate of Municipal Administration

**Current Status:**

DPR under preparation



## 19. Establishment of Modern Abattoirs in ULB's - Ranebennur

Directorate of Municipal Administration (DMA), Government of Karnataka (GoK) has proposed to develop Modern Abattoirs in initially 47 Urban Local Bodies (ULBs) jurisdiction across Karnataka. The modernization has been planned considering, reduction in pollution, ensuring more humane treatment of animal, confirming to various standards of slaughterhouses, production of quality meat, utilization of by-products, and providing friendly environment to the worker to increase productivity.

**District:**

Ranebennur, Haveri

**Estimated Cost:**

INR 5 Crore

**Agency:**

Directorate of Municipal Administration

**Current Status:**

DPR under preparation



## 20. Establishment of Modern Abattoirs in ULB's - Hubballi-Dharwad

Directorate of Municipal Administration (DMA), Government of Karnataka (GoK) has proposed to develop Modern Abattoirs in initially 47 Urban Local Bodies (ULBs) jurisdiction across Karnataka. The modernization has been planned considering, reduction in pollution, ensuring more humane treatment of animal, confirming to various standards of slaughterhouses, production of quality meat, utilization of by products, and providing friendly environment to the worker to increase productivity.

**District:**

Hubballi-Dharwad

**Estimated Cost:**

INR 5 Crore

**Agency:**

Directorate of Municipal Administration

**Current Status:**

DPR under preparation



## 21. Establishment of Modern Abattoirs in ULB's - Ballari

Directorate of Municipal Administration (DMA), Government of Karnataka (GoK) has proposed to develop Modern Abattoirs in initially 47 Urban Local Bodies (ULBs) jurisdiction across Karnataka. The modernization has been planned considering, reduction in pollution, ensuring more humane treatment of animal, conforming to various standards of slaughterhouses, production of quality meat, utilization of by-products, and providing friendly environment to the worker to increase productivity.

**District:**

Ballari

**Estimated Cost:**

INR 10 Crore

**Agency:**

Directorate of Municipal Administration

**Current Status:**

DPR under preparation



# Public Facilities



## Public Facilities

### 22. Construction of 221 public toilets in Bengaluru City

The public toilets to be constructed based on the site area available. The public toilets should be well maintained by the Concessionaire and user charges should not be levied. The concessionaire will be permitted to display commercial advertisements in order to recover the capital and maintenance cost.

**District:**

Bengaluru Urban

**Estimated Cost:**

NA

**Agency:**

Bruhat Bengaluru Mahanagara Palike

**Current Status:**

Conceptualization Stage



### 23. Construction of skywalks in Bengaluru City

Pedestrian skywalk with 2 vertical lifts, DG set, CCTV and lighting spanning for 24mt for the pedestrians like students, old people, physically challenged using the bridge.

**District:**

Bengaluru Urban

**Estimated Cost:**

NA

**Agency:**

Bruhat Bengaluru Mahanagara Palike

**Current Status:**

Conceptualization Stage



## 24. Development of Parking Management System in Bengaluru

According to the parking policy, it is intended to implement Parking Management System (PMS) in 56 identified roads of central business part viz., M.G.Road, Commercial Street, Kasturba Road, Queens Road, K.G.Road, Lalbagh Road, etc.

The Parking Management System includes service components like parking meter to facilitate payments through smart cards, CCTV, sensor based technology to detect & monitor the parking bays & check violations, and VMS boards to disseminate information on parking space availability to public in large.

**District:**

Bengaluru Urban

**Estimated Cost:**

INR 55 Crore

**Agency:**

Directorate of Urban Land Transport

**Current Status:**

Conceptualization Stage



## 25. Construction of 2000 Bus Shelters

Bus shelter with a seating capacity of 14 members, built with mild steel sections, perforated MS sheet seating, multiwall poly carbonate sheeting with good lighting

**District:**

Bengaluru Urban

**Estimated Cost:**

NA

**Agency:**

Bruhat Bengaluru Mahanagara Palike

**Current Status:**

Conceptualization Stage



## 26. Energy Efficient Street Lights

To provide comprehensive customized energy saving solutions to its customers including project development, financing, implementation, and performance monitoring through energy performance conventions. The Energy Efficient Services Limited has evolved a cost based ESCO (Energy Services Company) model that ensures the best available technology be retrofitted with an overall cost saving to ULBs. The model discovers requirement of periodically demonstrating energy and cost saving to get the return on investment. The cost saving is reckoned from the combined expenditure of ULB on electricity bill and O&M charges.

**District:**

Bengaluru Urban

**Estimated Cost:**

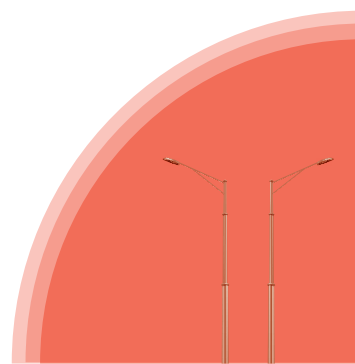
NA

**Agency:**

Bruhat Bengaluru Mahanagara Palike

**Current Status:**

Conceptualization Stage





# Urban Transport



4

## Urban Transport

### 27. Light Rail Transit System in Bengaluru City

The project is Light Rail Transit System in two corridors of Bengaluru City viz. J.P. Nagar to Hebbal on Outer Ring Road (31.3 km) and Toll Gate to Peripheral Ring Road on Magadi road (10.6 km). The project will be implemented under public private partnership (PPP) model.

**District:**

Bengaluru Urban

**Estimated Cost:**

INR 10,875 Crore

**Agency:**

Bangalore Airport Rail Link

**Current Status:**

DPR Under Preparation



# Road & Highways



5

## Roads & Highways

### 28. Development of Six lanes, 10.6 km North-South Corridor connecting Central Silk Board to Hebbal. (i.e., NH-7 Towards Hosur To NH-7 towards Ballari)

The construction of elevated corridors is an important project that Govt. desires to develop to ease traffic movement in the city. The project is aimed to alleviate congestion and provide unhindered travel along the proposed corridors, that will contribute to savings in travel time, vehicle operating cost, improve road safety, and minimize carbon emissions resulting in overall economic growth.

**District:**

Bengaluru Urban

**Estimated Cost:**

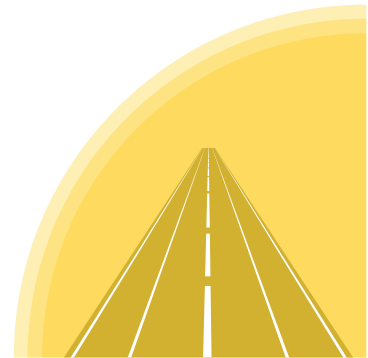
NA

**Agency:**

Karnataka Road Development Corporation

**Current Status:**

Conceptualization Stage



### 29. Development of six lanes, 19.7 km East-West Corridor-1 connecting K.R.Puram to Gorguntepalya. (i.e., NH-4 Towards Old Madras Road and NH-4 Bengaluru - Pune Road)

The construction of elevated corridors is an important project that Govt. desires to develop to ease traffic movement in the city. The project is aimed to alleviate congestion and provide unhindered travel along the proposed corridors, that will contribute to savings in travel time, vehicle operating cost, improve road safety and minimize carbon emissions resulting in overall economic growth.

**District:**

Bengaluru Urban

**Estimated Cost:**

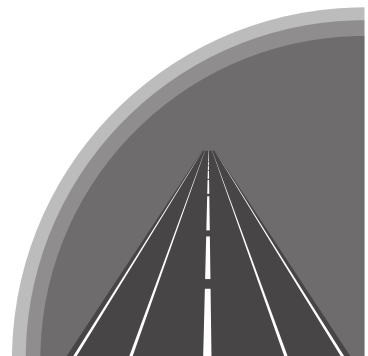
NA

**Agency:**

Karnataka Road Development Corporation

**Current Status:**

Conceptualization Stage



### 30. Development of six lanes, 27.7 km elevated corridor connecting Jnanabharathi to Varthur Kodi

The construction of elevated corridors is an important project that Govt. desires to develop to ease traffic movement in the city. The project is aimed to alleviate congestion and provide unhindered travel along the proposed corridors, that will contribute to savings in travel time, vehicle operating cost, improve road safety, and minimize carbon emissions resulting in overall economic growth.

**District:**

Bengaluru Urban

**Estimated Cost:**

NA

**Agency:**

Karnataka Road Development Corporation

**Current Status:**

Conceptual Stage



### 31. Development of four lanes, 9.2 km Connecting Corridor-1; Connecting North-South Corridor & East - West Corridor-2 from Agra to Kalasipalya

The construction of elevated corridors is an important project that Govt. desires to develop to ease traffic movement in the city. The project is aimed to alleviate congestion and provide unhindered travel along the proposed corridors, that will contribute to savings in travel time, vehicle operating cost, improve road safety, and minimize carbon emissions resulting in overall economic growth.

**District:**

Bengaluru Urban

**Estimated Cost:**

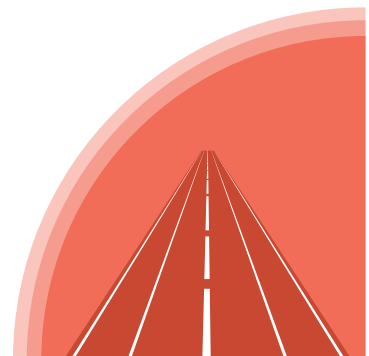
NA

**Agency:**

Karnataka Road Development Corporation

**Current Status:**

Conceptualization Stage



### **32. Development of four lanes, 2.3 km Connecting Corridor-2; Connecting East -West Corridor-1 & East - West Corridor-2 from Richmond Road to Ulsoor**

The construction of elevated corridors is an important project that Govt. desires to develop to ease traffic movement in the city. The project is aimed to alleviate congestion and provide unhindered travel along the proposed corridors, that will contribute to savings in travel time, vehicle operating cost, improve road safety, and minimize carbon emissions resulting in overall economic growth.

**District:**

Bengaluru Urban

**Estimated Cost:**

NA

**Agency:**

Karnataka Road Development Corporation

**Current Status:**

Conceptualization Stage



### **33. Development of four lane, 5.7 km Connecting Corridor-3; Connecting Corridor from Kalyan Nagar Junction at Outer Ring Road to St.John’s Church Road and Wheelers Road Junction**

The construction of elevated corridors is an important project that Govt. desires to develop to ease traffic movement in the city. The project is aimed to alleviate congestion and provide unhindered travel along the proposed corridors, that will contribute to savings in travel time, vehicle operating cost, improve road safety, and minimize carbon emissions resulting in overall economic growth.

**District:**

Bengaluru Urban

**Estimated Cost:**

NA

**Agency:**

Karnataka Road Development Corporation

**Current Status:**

Conceptual Stage



### 34. Construction of Eight Lane Peripheral Ring Road (PRR) to Bengaluru City

Construction of Peripheral Ring Road to Bengaluru city connecting existing BMICP corridor between Tumakuru road and Hosur road. The total length of the project is 65 Km. The project consists of 8 lane divided main road for fast / through traffic and 9.0m wide service road on both sides of main road which is access controlled. The aim of the project is to take out through traffic from existing city roads and relieve traffic congestion on existing ORR and other city roads. The project components involves 13 interchanges, 5 ROBs, 21 VUPs, 5 VOPs, 7 PUPs, 5 POPs and 54 box culverts. Toll Plazas are proposed at all entry / exit of interchanges.

**District:**

Bengaluru Urban

**Estimated Cost:**

INR 11,950 Crore

**Agency:**

Bangalore Development Authority

**Current Status:**

Bidding stage/ DPR completed



### 35. Construction of 204 Kms Satellite Town Ring Road (STRR)

The structure plan had mooted development of a pair of ring roads and several radial roads with a view to improve the connectivity in the region. The objective of these ring roads is to segregate highway traffic from local traffic and also to pave way for systematic expansion and growth of Bengaluru. The Government had ordered an amount of INR 100 crore for each package i.e. INR 400 crore in all to be provided to Bangalore Metropolitan Region Development Authority in the financial year 2007-08.

**District:**

Bengaluru Urban

**Estimated Cost:**

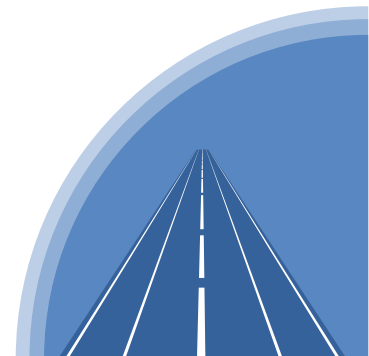
INR 30,000 Crore

**Agency:**

Bangalore Metropolitan Region Development Authority

**Current Status:**

DPR under preparation



### 36. Construction of 185 Kms internal Ring Road (IRR)- Bengaluru

The structure plan had mooted development of a pair of ring roads and several radial roads with a view to improve the connectivity in the region. The objective of these ring roads is to segregate highway traffic from local traffic and also to pave way for systematic expansion and growth of Bengaluru. The Government had ordered an amount of INR 100 crore for each package i.e. INR 400 crore in all to be provided to Bangalore Metropolitan Region Development Authority in the financial year 2007-08.

**District:**

Bengaluru Urban

**Estimated Cost:**

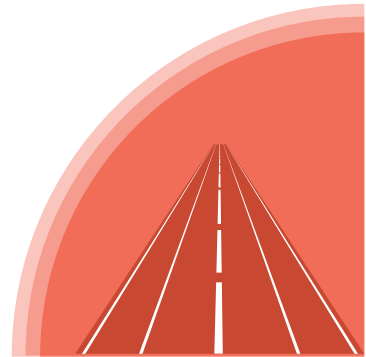
NA

**Agency:**

Bangalore Metropolitan Region Development Authority

**Current Status:**

Conceptualization Stage



### 37. Construction of 197 Kms intermediate Ring Roads (IRR)- Bengaluru

The structure plan had mooted development of a pair of ring roads and several radial roads with a view to improve the connectivity in the region. The objective of these ring roads is to segregate the highway traffic from the local traffic and also to pave way for a systematic expansion and growth of Bengaluru. The Government had ordered an amount of INR 100 crore for each package i.e. INR 400 crore in all to be provided to Bangalore Metropolitan Region Development Authority in the financial year 2007-08.

**District:**

Bengaluru Urban

**Estimated Cost:**

NA

**Agency:**

Bangalore Metropolitan Region Development Authority

**Current Status:**

Conceptualization Stage





### 38. Construction of 164 Kms Radial Ring Road (RR)- Bengaluru

The structure plan had mooted development of a pair of ring roads and several radial roads with a view to improve the connectivity in the region. The objective of these ring roads is to segregate highway traffic from local traffic and also to pave way for a systematic expansion and growth of Bengaluru. The Government had ordered an amount of INR 100 crore for each package i.e. INR 400 crore in all to be provided to Bangalore Metropolitan Region Development Authority in the financial year 2007-08.

**District:**

Bengaluru Urban

**Estimated Cost:**

NA

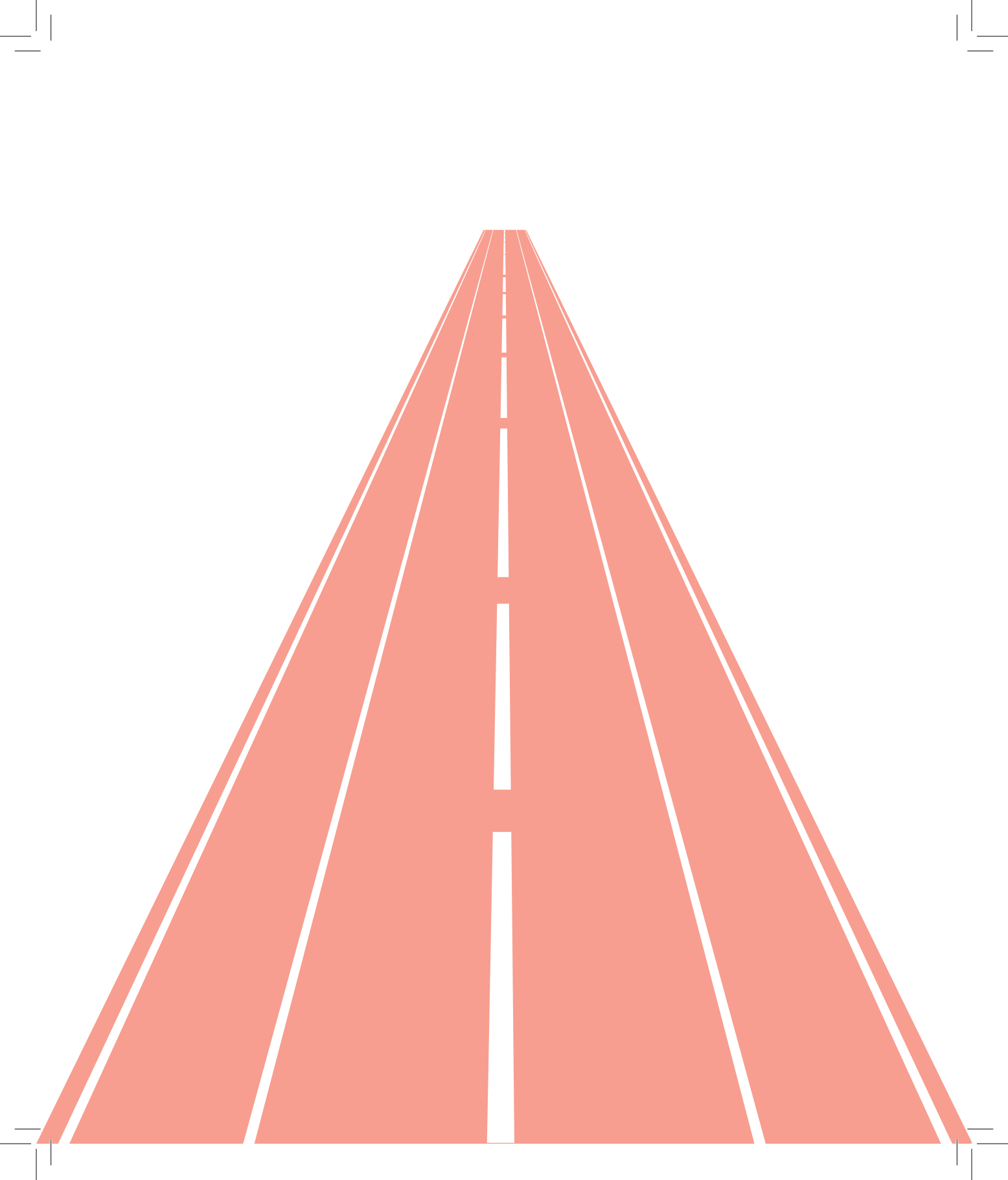
**Agency:**

Bangalore Metropolitan Region Development Authority

**Current Status:**

Conceptualization Stage





# Waste Management & Waste to Energy



# Waste Management & Waste to Energy

## 39. Bio-Mining at Mandur North and South

BBMP is collecting an estimated 4000 metric tons per day (MTPD) of Municipal Solid Waste (MSW) which is presently being disposed as open land fill at seven sites. The current practice of solid waste management at BBMP is; about 70% of the MSW activity starting from primary collection to disposal has been outsourced and 30% is managed by BBMP. This project aims for facilitating the reclamation of landfill at Mandur (North), Mandur (South), through bio-remediation and mechanical sieving or other method and process and also to segregate, recycle and reuse the recoverable materials from the mixed mined MSW. BBMP envisages for implementing the project on Design, Build, Own, Operate and Transfer (DBOOT) basis.

**District:**

Bengaluru Urban

**Estimated Cost:**

NA

**Agency:**

Bruhat Bengaluru Mahanagara Palika

**Current Status:**

Conceptualization Stage



## 40. Waste to Energy Plants

Bengaluru generates about 4,000 MTPD of Municipal Solid Waste. The Solid waste typically bears the Indian characteristics of nearly 60% wet or biodegradable component having high water content. The city is progressively moving towards segregation of waste at source. The segregated solid waste streams, mainly wet waste, dry waste & sanitary waste/hazardous waste are to be processed. The BBMP has facilities to process majority of wet waste. There is also an informal recycling industrial chain which is managing the high value dry waste or so called recyclables. There is need for processing the low value dry waste which has traces of water / organic matter. The same if dried & baled can be used as Refure-Derived Fuel. There is a need to process such category of waste wherein segregation level is not to the requirement of composting or biomathanisation plants. To process such kind of waste there is need of suitable Waste to Energy Project. BBMP envisages taking up such project on PPP mode.

**District:**

Bengaluru Urban

**Estimated Cost:**

NA

**Agency:**

Bruhat Bengaluru Mahanagara Palika

**Current Status:**

Conceptualization Stage



## 42. Waste to Energy Projects

K & C Valley Sewage Treatment Plants receives raw sewage in several of its sewage treatment plants (STPs). The referred STP constructed is without suitable sludge digestion; currently the sludge is not treated and untreated sludge is sent for dewatering & disposal.

The regulation requires untreated primary sludge & excess biological sludge from the 218 MLD (163+55) to be treated before disposal. This project is to meet this requirement and in this process generate revenue in the form of Bio CNG from the undigested sludge. The process of High Rate Anaerobic Digestion will also reduce green house gases.

**District:**

Bengaluru Urban

**Estimated Cost:**

NA

**Agency:**

Bangalore Water Supply and Sewerage Board

**Current Status:**

DPR under preparation



## 41. Replacement of Borewells With Energy Efficient Pumpsets

BWSSB is maintaining totally 7936 energized borewells ranging from 2HP to 15HP operating at 415V, 3phase supply to pump water to distributon line coming under BBMP & CMC limit. in addition to existing submersible motors, 3203 hand pumps are also being maintained by BWSSB from 1990. Considering running of borewell pumpsets 4 hours / day the pumpage of water will be around 400 ML/day, in the area where public is facing shortage of Cauvery water for their daily needs.

Since, the commissioning of the borewell pumpsets they have been rewinded / repaired nearly 8-10 times and the efficiency of pumpsets has come down to 35-40%, thereby causing more power consumption and frequent failure / breakdown of pumpsets due to wear and tear.

in order to improve the efficiency of pumpsets to pump more water by reducing running time and also to save energy consumption all the borewell pumpsets are to be replaced by energy efficient pumpsets of approximately 55 to 60% efficiency.

**District:**

Bengaluru Urban

**Current Status:**

Conceptualization Stage

**Estimated Cost:**

INR 45 Crore

**Agency:**

Bangalore Water Supply and Sewerage Board





# Water Management



## Water Management

### **43. 24x7 Water Supply to the entire corporation areas of Belagavi, Kalaburagi and Hubballi-Dharwad area.**

Based on the success of 24x7 Water Supply Demonstration Project, the proposal of up-scaling 24x7 water supply to entire Corporation areas of Belagavi, Kalaburagi and Hubballi-Dharwad has been mooted with World Bank funding. The share of World Bank is 66% (INR 1,209 crore). The project is proposed to be implemented on 'Performance Based Management Contract (PBMC)'.

- Design & Implementation Period - 4 years
- Operation & Management Period - 8 years

**District:**

Belgavi, Kalaburagi And Hubli-Dharwad Corporation Areas

**Estimated Cost:**

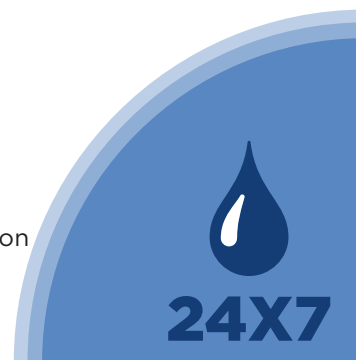
INR 1809 crore

**Agency:**

Karnataka Urban infrastructure Development and Finance Corporation

**Current Status:**

Conceptualization Stage





# Integrated Township



8

## integrated Township

### 44. Intergrated Township at Bidadi

The proposed township will be independent, self-contained and eco-friendly human settlement. It will be based on integrated land use concept, centering around one or more specific economic activity with concomitant residential components aimed at promoting work-home relationship. Further, it is planned to have connectivity between the township and the proposed BMR Ring Road and also access to the National Highway, State Highways, Railway Stations, Park and the Kempegowda international Airport, Bengaluru.

The township will be developed with proper infrastructure facilities and amenities based on modern technology and environmental friendly concepts. The focus will be towards making it self contained for all activities.

**District:**

Ramanagara

**Current Status:**

Conceptualization Stage

**Estimated Cost:**

30,000 Crore

**Agency:**

Bangalore Metropolitan Region Development Authority









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