

BUS WORLD EXHIBITION AND CONFERENCE

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**NEXT GENERATION PRIORITY AREAS FOR
ROAD TRANSPORT TO DRIVE RECOVERY**

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**DECARBONISATION and DIGITALISATION FOR
MOVING TOWARDS SDGs and CARBON
NEUTRALITY**



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Sustainable Development Goals for Transport

- ▶ Seven of the 17 Sustainable Development Goals include one or more targets that addresses transport, both rural and urban. While some name transport directly, many of the targets incorporate transport by recognizing the importance of *access* in achieving advances in education, healthcare, and other critical needs.
 - ▶ The most relevant targets for transport are:
 - ▶ **Goal 2** End hunger, achieve food security and improved nutrition and promote sustainable agriculture
 - ▶ **Goal 3** Ensure healthy lives and promote well-being for all at all ages
 - ▶ **Goal 7** Ensure access to affordable, reliable, sustainable and modern energy for all
 - ▶ **Goal 9** Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation
 - ▶ **Goal 11** Make cities and human settlements inclusive, safe, resilient and sustainable
 - ▶ **Goal 12** Ensure sustainable consumption and production patterns
 - ▶ **Goal 13** Take urgent action to combat climate change and its impacts

The terms 'decarbonization', 'carbon neutral', and 'climate neutral' are frequently used in climate discussions.

- ▶ **Decarbonisation:** the process of reducing the CO₂ emissions
- ▶ **Carbon neutral:** is a state in which the activities of an individual, an organisation, a city or a country result in net-zero emissions of CO₂.
- ▶ **Climate neutral:** is a state in which the activities of an individual, an organisation, a city or a country result in net-zero climate impact from Green-House Gas emissions.

Decarbonisation is the most effective and reliable road to the goals of carbon neutrality, climate neutrality, and a decarbonised global economy.

Karnataka State has formulated Electric vehicle & Energy Storage Policy in 2017.

The Policy measures includes:

- ▶ Special Initiatives for EV manufacturing
 - ▶ EV manufacturing parks/zones.
 - ▶ Migrating to EV environment
 - ▶ Facilitation to EV, Battery & charging equipment manufacturing
- ▶ Support for charging infrastructure
- ▶ Support for Research & Development
- ▶ Support for Skill Development

Incentives & Concessions:

- ▶ Investment promotion subsidy
- ▶ Exemption from stamp duty
- ▶ Concessional Registration charges.
- ▶ Reimbursement of land conversion fee
- ▶ Subsidy for setting up of Effluent treatment plant
- ▶ Exemption from tax on electricity tariff.

Measures taken up in Karnataka Transport Sector

- KSRTC and its sister concerns are planning to operate 1500 Electric vehicles in near future.
- BMTC has launched its first EV bus on 30-09-2021 and would be inducting 90 buses under Smart City Programme shortly

Initiatives to reduce GHG emissions:

- BS-6 vehicles will be inducted into KSRTC fleet.
- Organizing routine Smoke Emission Checks for entire fleet frequently
- Pollution Under Control Certificates issued every 6 months
- Emission certificates are being displayed in all buses.
- Provision of Upgraded Smoke Density Meters to depots for smoke checks.

Afforestation programme: Karnataka STCs have planted approximately 2,50,000 saplings.

Every year around 10,000 saplings are planted.



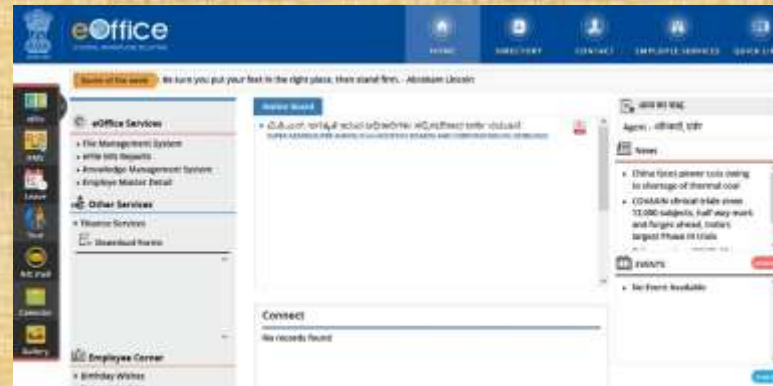
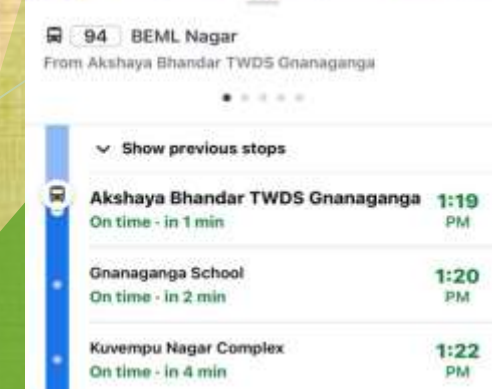
Prakruthi-Green Squad for a Clean Environment:

Mobile smoke emission and noise level checking service called “PRAKRUTHI”, to verify the smoke checkings conducted at depots

DIGITALISATION Initiatives

- ▶ Online Inter-Corporation Transfer and Counselling Application
- ▶ Online Electronic Ticketing Machines (ETM) with Dashboard
- ▶ Contactless Counter m-Ticket at Kempegowda International Airport, Bengaluru;
- ▶ Online Customer Relationship Management (CRM) System
- ▶ e-Office implementation towards e-filing system
- ▶ Online Grievance Management Application
- ▶ Women Safety Mobile Application with ITS
- ▶ Student Bus Pass Application
- ▶ Advance Reservation System etc.

Planning to implement QR based ticketing in ETMs towards enabling digital payments



Thank You !