Challenges & Needs for Countries in Special Situations in Achieving Sustainable Transport

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Sustainable Transport

Economic

Environmental

Social
Concept of Sustainability

Dimensions

Economic

Environmental

Social
Challenges & Needs

**Economic**

(1) Transport Infrastructure investment requirements  
(2) Transport infrastructure maintenance costs  
(3) Long investment recovery periods  
(4) Inefficiency of operation of transport systems  
(5) Growing population  
(6) Weak Institutions

**Challenges**

(a) Low Incomes  
(b) Small Market  
(c) Limited scope to liberalize  
(d) Natural monopolies  
(e) Gvt main player  
(f) Inland waterways & railways in poor state  
(g) Energy efficiency  
(h) Weak skills base

**Needs**

(i) Funding - investment & maintenance  
(ii) Increased private sector participation  
(iii) User Pays  
(iv) Policy & institutional reforms  
(v) Modal shift to environmental friendly modes  
(vi) Skills development  
(vii) Develop transport corridors
Challenges & Needs

Environmental

(1) Climate change
(2) Pollution
(3) Resource conservation
(4) Sources of energy
(5) Open-space preservation
(6) Biodiversity

Challenges

(a) Resource based economies
(b) Used technology recipients
(c) High pollution levels
(d) Old infrastructure & equipment- lagging technologically
(e) Energy sources and gap
(f) Environmentally friendly transport modes in bad shape
(g) Waste disposal

Needs

(i) Investment in environmentally friendly transport infrastructure & technology
(ii) Investment in renewable energy
(iii) Promote modal shift to environmentally friendly transport modes
(iv) Need for environmental impact indicators in transport
(v) Policy framework on environmental management in transport
(vi) Develop Green Freight Corridors
Challenges & Needs

Social

(1) Health & safety
(2) Security
(3) Equity
(4) Community development
(5) Culture

Challenges

(a) Prevalence of accidents & high fatality levels
(b) Theft & vandalism
(c) Inequitable
(d) HIV risk along transport corridors
(e) Bad roads and railway lines
(f) Urban congestion

Needs

(i) Strong safety regulatory framework
(ii) Community involvement
(iii) Deterrent sentences for offenders
(iv) Vandal proof technology
(v) Accessible and affordable infrastructure & equipment
(vi) CSI programmes
(vii) Health and safety training programmes along corridors
THANK YOU FOR YOUR KIND ATTENTION

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