Infrastructure Development in Indonesia
INDONESIA’S MAJOR INDICATORS

**JAVA**
- Population: 57.5%
- % Area: 6.90%
- %PDRB: 57.86%

**SUMATRA**
- Population: 21.3%
- % Area: 24.7%
- %PDRB: 23.88%

**KALIMANTAN**
- Develop more Infrastructure in border areas
- Population: 5.8%
- % Area: 28.1%
- %PDRB: 8.93%

**SULAWESI**
- Population: 7.31%
- % Area: 9.90%
- %PDRB: 4.61%

**PAPUA**
- more mountainous areas
- Population: 2.60%
- % Area: 26.53%
- %PDRB: 2.33%

**MALUKU**
- archipelagic areas

**SULAWESI**
- Population: 7.31%
- % Area: 9.90%
- %PDRB: 4.61%

**BALI AND NUSA TENGGARA**
- Population: 5.50%
- % Area: 6.90%
- %PDRB: 2.55%

**Developing More Infrastructure in Eastern Indonesia**

- **Jurisdiction Area**: 7.8 million Km²
- **Coastal line**: 99.093 Km
- **Total Islands**: 17.504 islands
  - 5.698 (named) & 11.801 (not named yet)

- **Jurisdiction water**
  - Insular sea: 2.9 million Km²
  - Territorial Sea: 0.3 million Km²
  - ZEEI: 2.7 million Km²
  - Land Area: 1.9 million Km²

INDONESIA’S INFRASTRUCTURE RANKING

<table>
<thead>
<tr>
<th>Infrastructure</th>
<th>2015-2016 (out of 140 countries)</th>
<th>INITIAL TARGET IN 2017</th>
<th>TARGET 1ST QUARTER OF 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rank</td>
<td>Mark</td>
<td>Rank</td>
</tr>
<tr>
<td>Railways</td>
<td>43</td>
<td>3,6</td>
<td>30</td>
</tr>
<tr>
<td>Seaports</td>
<td>82</td>
<td>3,8</td>
<td>60</td>
</tr>
<tr>
<td>Airports</td>
<td>66</td>
<td>4,4</td>
<td>50</td>
</tr>
</tbody>
</table>


THE ROLE OF TRANSPORTATION INDUSTRY IS VERY IMPORTANT IN ACHIEVING A HIGH ECONOMIC GROWTH.
# Policies of Transportation Development for the Period of 2015-2019

## Vision/Mission of President Jokowi (Nawa Cita)

### New Orientation of National Development

1. Imbalances among regions
2. 1945 Basic Constitution, Article 33: Natural Resources of Indonesian People
3. Prioritizing development of border areas and village areas
4. Accelerating domestic strategic economic sector: Techno parks, National Strategic Tourism Destination
5. National Development supported by good quality of regional/local development

### Strategic Issues of Transportation

<table>
<thead>
<tr>
<th>Issue</th>
<th>Main Policies and Development Priorities</th>
<th>Target Outcomes 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Strengthening Connectivity to Balance Benefits Development</td>
<td>To accelerate the development of multi mode transportation system with priority to strengthen the role of sea transportation and railways.</td>
<td>Reach 20% sea transport services</td>
</tr>
<tr>
<td>2. Developing Mass Transportation System in Urban Area</td>
<td>To increase and widen accessibility of transportation mode in the Eastern Indonesia, village areas, border areas, inland and remote areas.</td>
<td>Railways 7.5% services passengers and goods 5%</td>
</tr>
<tr>
<td>3. To increase capacity and quality of institute for research and human resources development as the center for technology transfer and development of logistic industry</td>
<td>To develop strong connectivity to increase urban mobility, supporting center of economic activities across Indonesia in order to generate a better quality of development.</td>
<td>Reach a 100% development of National Road</td>
</tr>
<tr>
<td>4. To create financing schemes for transportation development, such as banks of infrastructure, transportation special fund and expansion of road financing scheme.</td>
<td></td>
<td>Reach Average traveling time of 2.2 hours/100 KM</td>
</tr>
<tr>
<td>5.</td>
<td></td>
<td>Reduce logistic cost to 20% to PDB</td>
</tr>
<tr>
<td>6.</td>
<td></td>
<td>Reach 32% services of public transportation system</td>
</tr>
<tr>
<td>7.</td>
<td></td>
<td>Reach 95% On Time Performance for airline</td>
</tr>
</tbody>
</table>

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**MOT Strategic Planning**

Betterment of Safety, Security, Capacity and Services of Transportation
NATIONAL DEVELOPMENT PLAN

ECONOMIC GROWTH CONTRIBUTION
- Passenger Accessibility
- Investment, Export And Tourism
- Agriculture Revitalization, Fisheries, Forestry

PUBLIC WELFARE CONTRIBUTION
- Poverty Reduction, Increase work opportunities
- Connectivity Development to support border, isolated areas
- Based on Empowerment Community

ENVIRONMENTAL QUALITY CONTRIBUTION
- Based on Spatial Planning Development
- Climate Change Adaptation

PROSPERITY AND WELFARE
TARGET ACHIEVEMENTS OF MINISTRY OF TRANSPORTATION IN 2015-2019

**STRATEGIC ISSUES OF 2015-2019**

- Conectivity
- Urban Transport

**STRATEGIC PLAN OF MOT IN 2015-2019**

**FOCUS OF MOT IN 2015-2019**

- Safety and Security
- Capacity
- Services

**TARGET ACHIEVEMENTS OF MOT IN 2015-2019**

- Reduced rate of accidents
- Reduced rate of security disturbance in transport services industry

Increased transportation services in areas prone to natural disaster, in the border areas, frontier areas and particularly in the eastern part of Indonesia.
TARGET OF INFRASTRUCTURE TRANSPORTATION DEVELOPMENT
FOR THE PERIOD OF 2015-2019

- To develop Bus Rapid Transit (BRT) in 34 cities and provides 3,170 buses
- To develop mass rapid transportation in urban and metropolitan areas
- To develop of Type A Passengers Terminal in 47 locations
- To apply ATCS (Area Traffic Control System) Technology in all capital of provinces
- To develop ferry terminal in 65 locations
- To develop piers and jetties for lake and river in 120 locations
- To provide 50 unit of ferries (particularly new routes)
- To develop railways networks in Java, Sumatera, Sulawesi, Kalimantan and Papua (Total 3,258 km’sp)
- To build new 10 lines of railways
- To build and develop training centre in 27 locations
- To develop 100 non-commercial seaports
- To re-develop sea ports in 65 locations
- To build 103 ships for new routes
- To serve 193 new sealanes
- To serve regular and scheduled voyages to support “Sea Toll” in 13 routes
- To complete construction of 41 Units of State Navigation Vessel
- To complete construction of 282 Units Boat Patrol
- To build 15 new airports
- To develop cargo airports in 9 Locations
- To develop airports in 100 locations
- To develop passengers terminal in 26 airports

*) Source: RPJMN 2015-2019
Transport infrastructure funding needs for Rp.1,283 Trillion obtained through macro approach based on economic growth assumptions in 2019: 6-8%, inflation 2.5 to 4.5%, the interest rate 4.5-6.5%. In addition, the estimates also consider scenarios of transportation funding needs outlined in the Master Plan, Blueprint and Urban Transportation Study.

Info: This financial gap is filled by participation of regional government, state-owned enterprises, and private sector.
PROGRAMS IMPLEMENTATION OF 2015 – JULY 2016
### TRANSPORT INFRASTRUCTURE DEVELOPMENT

| Terminals | 19 Terminals |
| Train Stations | 22 Train Stations |
| Sea Ports | 147 Sea Ports |
| Airports | 150 Airports |
| Ferry Ports | 54 Ferry Ports |
| Railways | 691,63 km |

### VEHICLE DEVELOPMENT

<table>
<thead>
<tr>
<th>Vessels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pioneer Vessels</td>
</tr>
<tr>
<td>Ferry Vessels</td>
</tr>
<tr>
<td>Boat Patrol</td>
</tr>
<tr>
<td>Navigation Vessels</td>
</tr>
<tr>
<td>Bus Rapid Transit</td>
</tr>
</tbody>
</table>

### HUMAN RESOURCES DEVELOPMENT

- **Cadet Graduates**: 729,831
- **Scholarship**: 568 Cadets from Papua
PROJECTS REGISTERED IN PUBLIC PRIVATE PARTNERSHIP BOOK 2015

Based on Bappenas, 2015
1. Soekarno Hatta – International Airport – Halim Railway

<table>
<thead>
<tr>
<th>Estimated project cost</th>
<th>US$ 2,570.00 million</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indicative debt to equity ratio</td>
<td>70:30</td>
</tr>
<tr>
<td>– Debt level</td>
<td>US$ 1,800.00 million</td>
</tr>
<tr>
<td>– Equity level</td>
<td>US$ 770.00 million</td>
</tr>
</tbody>
</table>

2. Bandung Light Rail Transit (LRT), West Java

Estimated project costs are as follows:
- Corridor 1: US$ 207.21 million
- Corridor 2: US$ 355.69 million

Estimated cost for train is US$ 2.10 million per set.

3. Tanjung Enim – Tanjung Api-Api Railway, South Sumatera

<table>
<thead>
<tr>
<th>Estimated project cost</th>
<th>US$ 2,975.39 million</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indicative debt to equity ratio</td>
<td>70:30</td>
</tr>
<tr>
<td>– Debt level</td>
<td>US$ 2,082.77 million</td>
</tr>
<tr>
<td>– Equity level</td>
<td>US$ 892.62 million</td>
</tr>
</tbody>
</table>
1. Integrated of Gede Bage Multipurpose Terminal (Railway), Bandung, West Java

<table>
<thead>
<tr>
<th>Estimated project cost</th>
<th>US$ 133.00 million</th>
</tr>
</thead>
<tbody>
<tr>
<td>Debt to equity ratio</td>
<td>70:30</td>
</tr>
<tr>
<td>Debt level</td>
<td>US$ 93.10 million</td>
</tr>
<tr>
<td>Equity level</td>
<td>US$ 39.90 million</td>
</tr>
</tbody>
</table>

2. Development of South Sumatera Monorail, South Sumatera

<table>
<thead>
<tr>
<th>Estimated project cost</th>
<th>US$ 550.00 million</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indicative debt to Equity Ratio</td>
<td>70 : 30</td>
</tr>
<tr>
<td>Debt portion</td>
<td>US$ 385.00 million</td>
</tr>
<tr>
<td>Equity portion</td>
<td>US$ 165.00 million</td>
</tr>
</tbody>
</table>
1. SEA TRANSPORTATION
   a) Development of Maloy International Port, East Kalimantan
      The estimated project cost is US$ 1,780.00 million
   b) Expansion of Kabil Port (Tanjung Sauh Terminal), Batam, Riau Island
      The estimated project cost is US$ 805.00 million
   c) Development of Kuala Tanjung International
      The estimated project cost is US$ 2,000.00 million
   d) Development of Bitung International Hub Port, North Sumatera
   e) Development of Makassar New Port, South Sulawesi
      | Estimated project cost  | US$ 421.55 million |
      | Indicative debt to equity ratio | 70 : 30          |
      | Debt level                | US$ 295.08 million |
      | Equity level              | US$ 126.47 million |
   f) Development of Bau Bau Port, South East Sulawesi
      | Phase 1            | US$ 7.77 million  |
      | Phase 2            | US$ 6.44 million  |
      | Phase 3            | US$ 6.18 million  |
   g) Development of Garongkong Port, South Sulawesi
      | Estimated project cost  | US$ 42.45 million |
      | Indicative debt to equity ratio | 70 : 30          |
      | Debt level                | US$ 29.72 million |
      | Equity level              | US$ 12.73 million |
POTENTIAL PROJECT LIST

2. AIR TRANSPORTATION
   a) Development of New Bali Airport, Bali
      The estimated project cost is US$ 510.00 million
   b) Kulonprogo International Airport, DI Yogyakarta
      The estimated project cost is US$ 500.00 million
   c) Expansion of Mutiara Airport, Central Sulawesi
      The estimated project cost is US$ 103.30 million
   d) Expansion of Komodo Airport, East Nusa Tenggara
      The estimated project cost is US$ 48.61 million
   e) Expansion of Raden Inten II Airport, Lampung
      The estimated project cost is US$ 109.37 million
   f) Expansion of Juwata Airport, North Kalimantan
      The estimated project cost is US$ 103.30 million
   g) Expansion of Sentani Airport, Papua
      The estimated project cost is US$ 109.37 million
   h) Expansion of Tjilik Riwut Airport, Central Kalimantan
      The estimated project cost is US$ 109.37 million
   i) Expansion of Fatmawati Soekarno Airport, Bengkulu
      The estimated project cost is US$ 123.95 million
   j) Expansion of H. AS. Hananjoeddin Airport, Bangka-Belitung Island
      The estimated project cost is US$ 58.33 million
   k) Expansion of Matohara Airport, South East Sulawesi
      The estimated project cost is US$ 48.61 million
   l) Expansion of Sultan Babullah Airport, North Maluku
      The estimated project cost is US$ 100.26 million
3. RAILWAY
   a) Development of Batam Railway, Riau Island

<table>
<thead>
<tr>
<th>Corridor</th>
<th>Monorail</th>
<th>Railbus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corridor 1: Tanjung Uncang – Batam Centre</td>
<td>US$ 105.00 million</td>
<td>US$ 93.00 million</td>
</tr>
<tr>
<td>Corridor 2: Hang Nadim Airport – Batu Ampar</td>
<td>US$ 112.00 million</td>
<td>US$ 99.00 million</td>
</tr>
<tr>
<td>Total</td>
<td>US$ 217.00 million</td>
<td>US$ 192.00 million</td>
</tr>
</tbody>
</table>

b) Pulau Baai-Muara Enim Railway, Bengkulu – South Sumatera

<table>
<thead>
<tr>
<th>Estimated project cost</th>
<th>US$ 2,300.00 million</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indicative debt to Equity Ratio</td>
<td>80 : 20</td>
</tr>
<tr>
<td>Debt portion</td>
<td>US$ 1,850.00 million</td>
</tr>
<tr>
<td>Equity portion</td>
<td>US$ 450.00 million</td>
</tr>
</tbody>
</table>
THANK YOU

MINISTRY OF TRANSPORTATION
REPUBLIC OF INDONESIA