JICA’s Involvement for Cambodian Development

JICA Cambodia Office
IBC Open Meeting,
on 6th December, 2017

Contents

1. What is JICA

2. JICA’s projects in Cambodia
   1) Logistics
   2) Urban Function/Urban Environment
   3) Industrial Human Resources Development
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What is JICA

* This excludes Grant Aid directly implemented by the Ministry of Foreign Affairs for diplomatic consideration.
### Japan’s ODA: Global Operation

(Unit: Million USD)

<table>
<thead>
<tr>
<th>Year</th>
<th>Grant Aid</th>
<th>Technical Cooperation</th>
<th>ODA Loan</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>1,274</td>
<td>1,510</td>
<td>11,040</td>
</tr>
<tr>
<td>2013</td>
<td>1,043</td>
<td>1,596</td>
<td>8,872</td>
</tr>
<tr>
<td>2014</td>
<td>1,001</td>
<td>1,588</td>
<td>9,143</td>
</tr>
<tr>
<td>2015</td>
<td>1,005</td>
<td>1,725</td>
<td>20,348</td>
</tr>
<tr>
<td>2016</td>
<td>882</td>
<td>1,869</td>
<td>13,372</td>
</tr>
</tbody>
</table>

16 Billion

**JICA’s approach**

**Hardware**
- Quality infrastructure

**Software**
- Capacity Development
- Strategic Planning
- Ownership

Long – term Commitment

Holistic and Seamless Assistance
Japan’s ODA: Operation in Cambodia

(Unit: Million USD)

JICA’s Priority Area in Cambodia

Overall Goal
Support further strengthening of socio-economic foundations to achieve an upper-middle income country status by 2030
JICA’s Priority Area in Cambodia

1. Support for Industrial Development
2. Improvement of Quality of Life
3. Realization of Sustainable Society through Strengthening of Governance

Alignment with

Rectangular Strategy Phase III
To become Upper Middle-Income Country by 2030, and Developed Country by 2050

Cambodia Industrial Development Policy 2015-2025
“Market Orientation and Enabling Environment for Industrial Development”

& Other important strategies
Rectangular Strategy Phase III

Alignment with

Rectangular Strategy Phase III
To become Upper Middle-Income Country by 2030, and Developed Country by 2050

Cambodia Industrial Development Policy 2015-2025
“Market Orientation and Enabling Environment for Industrial Development”

& Other important strategies
JICA’s Priority Area in Cambodia

1. Support for Industrial Development
   - Logistics
   - Investment Environment
   - Industrial Human Resources Development
   - Agricultural Promotion

2. Improvement of Quality of Life

3. Realization of Sustainable Society through Strengthening of Governance
What we have done so far: Logistics

11% (250/2240 km) of single-digit National Road (National Road 1-9) were paved in asphalt

What we have done so far: Investment Environment

Transmission Line from Kampot to Sihanoukville (230 KV, 90Km), From Sihanoukville to Stung Hav (115KV, 12Km) (2013)
What we have done so far: Industrial Human Resources Development

Over **60,000 children** in Phnom Penh studied at **18 primary schools** (2004-2014)

What we have done so far: Agricultural Promotion

**145km irrigation system** (2001-2014)
JICA’s Priority Area

2. Improvement of Quality of Life

- Urban Environment (water etc.)
- Urban Functions (transport etc.)
- Health System

What we have done so far: Urban Environment

More than 1 million people have newly gained access to safe piped water in urban areas since 2001
What we have done so far: Urban Function

About 100 Traffic signals in Phnom Penh City

What we have done so far: Health System

JICA’s Priority Area

3. Realization of Sustainable Society through Strengthening of Governance

- Legal System & Admin. Functions
- Environment Management
- Mines and UXO Removal

What we have done so far: Legal System & Admin. Functions

Civil Code & Civil Procedure Law in Dec. 2011
**What we have done so far: Environment Management**

**National REDD+ Strategy**

*Reducing Emission from Deforestation and Forest Degradation in Developing Countries (REDD) + Conservation of Forest Carbon Stocks, Sustainable Management of Forest, Enhancement of Forest Carbon Stocks in Developing Countries*

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**What we have done so far: Mines and UXO Removal**

8 times (79,143㎢) Landmine removed area compared to 1995. (2015)
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Why logistics?
Geographical Advantage

Source: PopulationPyramid.net

Attractive Labor

Source: PopulationPyramid.net
Monthly minimum wages applicable to the garment sector in Asia’s ten biggest garment exporters, as of 1 Jan 2014

Source: ILO Global Wage Report 2014/15
ASEAN Regional Connectivity

- East-West Economic Corridor
- Southern Economic Corridor

- Infrastructure Development Project in Thilawa Area Phase I, II (Loan)
- Yangon Port (F/S)
- Lom Ta Khong Pumped Storage (Loan)
- Suvarnabhumi Airport (Loan)
- Lam Chabang Port (Loan)
- Map Ta Phut Industrial Port (Loan)
- Shansuville Port (Loan)
- Shansuville Port Special Economic Zone (Loan)
- Cambodia National Rd No.5 (Loan)
- Cambodia National Rd No.6 & 7 (Grant)
- Cambodia National Rd No.1 (Grant)
- Tsubasa Bridge (Grant)
- Songkla East-West Highway (Loan)
- North-South Expressway (Loan)
- Cai Mep-Thi Vai Port (Loan)

- Pha Lai Thermal Power Plant (Loan)
- Cai Lan Port (Loan)
- Hai Phong Port (Loan)
- 2nd Mekong International Bridge (Loan)
- Lao National Road No.9 (Grant)
- Hai Van Tunnel (Loan)
- De Nang Port (Loan)
- Pakse Bridge (Grant)
- Tansonnhat International Airport (Loan)
- Long Thanh International Airport (F/S)
- Phu My Thermal Power Plant (Loan)
- Nam Ngum Hydroelectric Power Plant (Loan)
- Nak Ngum Hydroelectric Power Plant (Loan/Grant)
- Wattay Vientiane International Airport (Grant)
- Sihanoukville Port (Loan)
- Cai Mep-Thi Vai Port (Loan)
- Laem Chabang Port (Loan)
- Suvarnabhumi Airport (Loan)
- Da Nang Port (Loan)
- Pakse Bridge (Grant)
- Mekong Bridge (Spen KIZUNA)(Grant)
- 2nd Mekong International Bridge (Loan)
- Lao National Road No.9 (Grant)
- Bangkok
- Phnom Penh
- Hanoi
- CLV Development Triangle
- Sihanoukville Port Special Economic Zone (Loan)
- Tsubasa Bridge (Grant)
- Saigon East-West Highway (Loan)
- North-South Expressway (Loan)
- Cai Mep-Thi Vai Port (Loan)

But ...

- ASEAN Regional Connectivity

- But ...

JICA

Japan International Cooperation Agency

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Voices from Private Sector

→ High Logistics Cost
Tsubasa Bridge (Neak Loeung Bridge)

500 Riel Note
JICA’s future project for logistics improvement

**Software**
- Port System
- Custom System
- Traffic Management System

**Hardware**
- Container Terminal SHV
- National Road 5
- CA-VT Expressway

**Logistics Master Plan**

**Holistic and Seamless Approach**

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Why Urban Function /Urban Environment?

Rapid Population Increase

Population=1.85 mil
As of 2012

Population=2.87 mil
As of 2035
Increasing Vehicles

Many Challenges for Urban System
Urban Transportation

Phnom Penh Transport Master Plan

Traffic Management

Public Bus

Urban Railway

Traffic Management

Traffic Signal System

100 Traffic Signal & Traffic Control System
Promotion Video
for traffic safety

Facebook: https://www.facebook.com/JICACambodia/videos/1188947454484672/
YouTube: https://www.youtube.com/watch?v=EsQR9IwcX2w

Public Bus
Predictable, Safety, Convenient
High Demand For Water
“Miracle of Phnom Penh”

Water Supply Coverage Area

20% (1993) → 90% (2011)
Number of Connections

26,881 → 219,498

Most of people have connection to water now!

Supply Duration (h/day)

24h/7days (2011)

10h/day (1993)
Non-Revenue Water Ratio (%)

72% (1993) → 6% (2011)

cf. Non-revenue Water Ratio in other countries

<table>
<thead>
<tr>
<th>Country</th>
<th>Vietnam</th>
<th>Laos</th>
<th>Malaysia</th>
<th>Indonesia</th>
<th>India</th>
<th>China</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ratio</td>
<td>22.67%</td>
<td>20.85%</td>
<td>34.40%</td>
<td>30.40%</td>
<td>41.27%</td>
<td>20.54%</td>
</tr>
</tbody>
</table>
Success of Phnom Penh being replicated in **8 provinces**

(Siem Reap, Kampong Thom, Kampong Cham, Battambang, Pursat, Kampot, Svay Rieng)

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   3) **Industrial Human Resources Development**
Why Industrial Human Resources Development?

Growing value-added manufacture

source: World Bank, Cambodia Economic Update October 2017, UN Comtrade
But ...

Voice from Private Sector

→ Productivity of workers especially in technicians/engineers
To meet the needs of Industries

ITC (Institute of Technology of Cambodia)
- Target: (post) graduate level
- Study abroad [ASEAN, JAPAN]
  *300+ students as of Dec 2017

TVET
- Target: Upper secondary Level
- Improve quality of electricity field in 3 pilot TVET institutes

Basic Education
- Target: Basic Education Level
- Improve Teacher Education Collage

Basic Education
For Workers
To improve Education Quality

Teacher Education Collage

Hardware
- Constructing Buildings & Providing equipment

Software
- Preparing syllabus and materials
- Training overseas for TEC teachers
**TVET (Technical Vocational Education and Training)**

- TVET (Technical Vocational Education and Training)
- Develop Standard Training Package (STP)
- Training for Instructors
- Equipment and facility management for training
- Disseminate STP to other TVET
- Partnership between TVET & industries
- *3 Pilot TVET institutes in Electricity Field*

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**ITC (Institute of Technology of Cambodia)**

- ITC (Institute of Technology of Cambodia)
- Japanese Universities
- Technical Cooperation
- Study Abroad
- Laboratory Based Education
- Online Lectures
- Royal University of Phnom Penh
- University of Battambang
- Svay Rieng University

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*For Technicians*

*For Engineers*
For Business Friendly Environment
*By Private Public Partnership*

**Needs from Private sector**
Joint work with Private sector

**Rectangular Strategy III**
Industrial Development Policy
Other important strategy

**Support Sustainable Dev.t**
- Long-term commitment
- Quality Infrastructure
- Planning
- Ownership

*Thank you very much for your attention...*
Q & A

and

Comments