Development of North East Region Connectivity and Prosperity

August 8\textsuperscript{th}, 2019

JICA India
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Act East Forum

The Forum aims to further expand the cooperation between Japan and India in North East and to strengthen the relationship between Japan and North East, as well as that between Japan and India. In this regard, the Forum discusses cooperation in various fields and promotes Japan’s cooperation in the region.

1. Enhancing Connectivity
2. Forest Management
3. Bamboo
4. Disaster management
5. People-to-people exchanges
JICA’s operation in India

Grant Aid

- Two on-going projects in Varanasi & Bengaluru

Operational Results in FY2017/18:
Commitment: JPY 398.4 billion (equivalent to about Rs. 25,000 crore)
Disbursement: JPY 264.3 billion (equivalent to over Rs. 16,000 crore)

Terms and conditions: (as of Jan. 2018)
- General terms: Interest rate 1.5%, repayment period 30 years (including 10 years grace period)
- STEP: Interest rate 0.1%, repayment period 40 years (including 12 years grace period)

Accumulated Commitment by FY2017/18:
- JPY 5.3 trillion in total (equivalent to over Rs. 3 lakh crore)

Technical Cooperation

- Results in FY 2016/17
  JPY 16.0 billion (about Rs. 850 crore)
- About 1100 Japanese experts to India
- About 250 Trainee from India to Japan

Citizen Partnership / Public-Private Partnership

- Japanese Volunteers
- Japanese NGO activities
- Partnerships with Private-Sector Activities

Major Sector (FY2008/09-2017/18)

- Metro 33%
- DFC 17%
- Others 14%
- Transport 64%
- Water 12%
- Energy 9%
- Agri & Forest 6%
- Others 9%
JICA’s Cooperation for NER
Continuous Cooperation for Sustainable Development including Connectivity Enhancement

Mizoram North East Connectivity Phase 1
Aizawl–Tuipang (NH-54) (2016-)

Meghalaya
North East Connectivity Phase 2
Tura-Dalu (NH-51) (2016-)

Meghalaya
North East Connectivity Phase 2
Shillong – Dawki (NH-40) (2017-)

Tripura Forest Phase 2 (2018-)

Assam
North East Connectivity Phase 3
Dhubri/Phulbari (New Bridge) (2018-)

Assam Guwahati Water Supply (2008-)
Assam Guwahati Sewerage (2014-)

Meghalaya
Umiam Hydro Power (2018-)

Nagaland
Forest Management (2016-)

Mizoram
North East Connectivity Phase 2
Aizawl–Tuipang 350.7km (NH-54) (2016-)

Mizoram TCP for Sustainable Agri & Irrigation Dev. (2017-)

Sikkim Biodiversity Conservation & Forest Management (2010-)
North East Road Network Connectivity Improvement Project Phase 1

❖ Loan Agreement: Signed on March 31, 2017 (For First Tranche)
❖ Project Scope: 2 Laning & Improvement of NH 54 (350.7 km) in Mizoram & NH 51 (51 Km) in Meghalaya
❖ Total Project cost: JPY 125 billion (roughly INR 6,898 crore); JICA share: JPY 96 billion (INR 5,300 crore). Tranche 1 L/A: JPY 67 Billion
Shortlist – 11 Regional Road Corridors

- Nepal
- Bhutan
- Bangladesh
- Myanmar
- India

Base map data: Google

Alignments are indicative only

Port
Potential Port
Major Border Crossing Point
Sikkim Biodiversity Conservation and Forest Management Project

- LA Amount / 5,384 Million JPY signed on 31-Mar 2010
- Project objectives:
  1. Strengthen biodiversity conservation and forest management capacity;
  2. Improve livelihood of forest-dependent communities in Sikkim that is located in one of the biodiversity hotspots in the world.
- Sustainable biodiversity conservation, plantation by Joint Forest Management Committees (JFMCs) covering 4,300 ha, income generation activities by Self-Help Groups (SHGs) are promoted.
- 540 SHGs will be supported in various sectors such as Eco-tourism.
- Efforts made in project led to the registration of Kangchendzonga National Park as UNESCO mixed world heritage in 2006.
Renovation and Modernization of Umiam-Umtru Stage-III Hydroelectric Power Station

➢ LA Amount / 5,497 Million JPY signed on 29-Oct 2018
➢ Object;
   To improve the power shortage of Meghalaya by renovation, modernizing and upgrading the Umiam - Umtru Stage - III Hydroelectric Power Station, situated by the Umtru River, thereby contributing to the industrial development and living standard improvement in the State
➢ Target;

<table>
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<tr>
<th>Indicator</th>
<th>Unit</th>
<th>2016</th>
<th>Target</th>
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<tbody>
<tr>
<td>Capacity</td>
<td>MW</td>
<td>30MW x 2 units</td>
<td>33MW x 2 units</td>
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<tr>
<td>Annual Power Generation</td>
<td>GWh/year</td>
<td>65.3</td>
<td>157.5</td>
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<td>Unplanned Outage Hours</td>
<td>Hours/year</td>
<td>Unit 1 7,613</td>
<td>88</td>
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<tr>
<td></td>
<td></td>
<td>Unit 2 4,034</td>
<td></td>
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➢ Past JICA Supported Projects in Umiam
   • Umiam Hydro Power Station Renovation Project
     1997-2004, LA Amount 1,700 Million JPY, Renovation of 9MW x 4 units Hydro
   • Umiam Stage 2 Hydro Power Station R&M Project
     2004-2012, LA Amount 1,964 Million JPY, Renovation of 10MW x 2 units Hydro
Quality Infrastructure in Sustainable Development Goals (SDGs)

Goal 9
Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

Target 9.1
Develop quality, reliable, sustainable and resilient infrastructure, including regional and trans border infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all
JICA’s contribution to Economic Corridors and Mekong Area

**Southern Economic Corridor**
- Cambodia National Rd No.5 (F/S)
- Cambodia National Rd No.6 & 7 (Grant)
- Cambodia National Road No.1 (Grant)
- Neak Loeung Bridge (Grant)
- Saigon East-West Highway (Loan)
- North-South Expressway (Loan)
- Cai Mep-Thai Vai Port (Loan)

**Projects related to Southern Economic Corridor**

**Projects related to East-West Economic Corridor**
- 2nd Mekong International Bridge (Loan)
- Lao National Road No.9 (Grant)
- Hai Van Tunnel (Loan)
- Da Nang Port (Loan)
- Pakse Bridge (Grant)
- Mekong bridge (Spien KIZUNA)(Grant)
- Tansonnhat International Airport (Loan)
- Long Thanh International Airport (F/S)
- Phu My Thermal Power Plant (Loan)

Flagship Project
- CLV Development Triangle
Thank you!

धन्यवाद

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