



ARANGKADA PHILIPPINES FORUM

Realize the Potential! | February 26, 2013 at the Makati Shangri-la

Accelerating Infrastructure Development



REPUBLIC OF THE PHILIPPINES
NATIONAL ECONOMIC AND
DEVELOPMENT AUTHORITY

HIGH, SUSTAINABLE and INCLUSIVE GROWTH

ECONOMIC GROWTH

Infrastructure is an enabler of growth in the country's economic sectors: **Tourism, Agriculture, and Industry**, among others.



HUMAN DEVELOPMENT and SOCIAL PROTECTION

Infrastructure is a critical support to the provision of basic goods and services and to ensuring a safer society



Infrastructure Development

Progress made in the last 2 and ½ years in addressing infrastructure bottlenecks

Legal Framework for PPP

- Revised IRR of RA 7718 or the BOT Law
- Proposed Amendments of the Joint Venture (JV) Guidelines



Investment Programs/ Projects

- 61 NEDA Board confirmed/ICC approved projects under President Aquino's term, 70 percent of which are infrastructure projects amounting to PhP425 billion



Infrastructure Master Plans

- Master Plan for Flood Management in Metro Manila (MM) and Surrounding Areas
- High Standard Highway Master Plan for MM and 200 km radius



STRATEGIC ACTION:

Accelerate Infrastructure Development as Catalyst for Inclusive and Sustainable Economic Growth

Increase infrastructure Spending

- Increase infrastructure spending from 2.6% to at least 5% of GDP in 2016

Strengthen Coordination in Planning and Implementation

- Adopt a coherent and efficient intermodal transport roadmap
- Pursue institutional reform, policy development and implementation

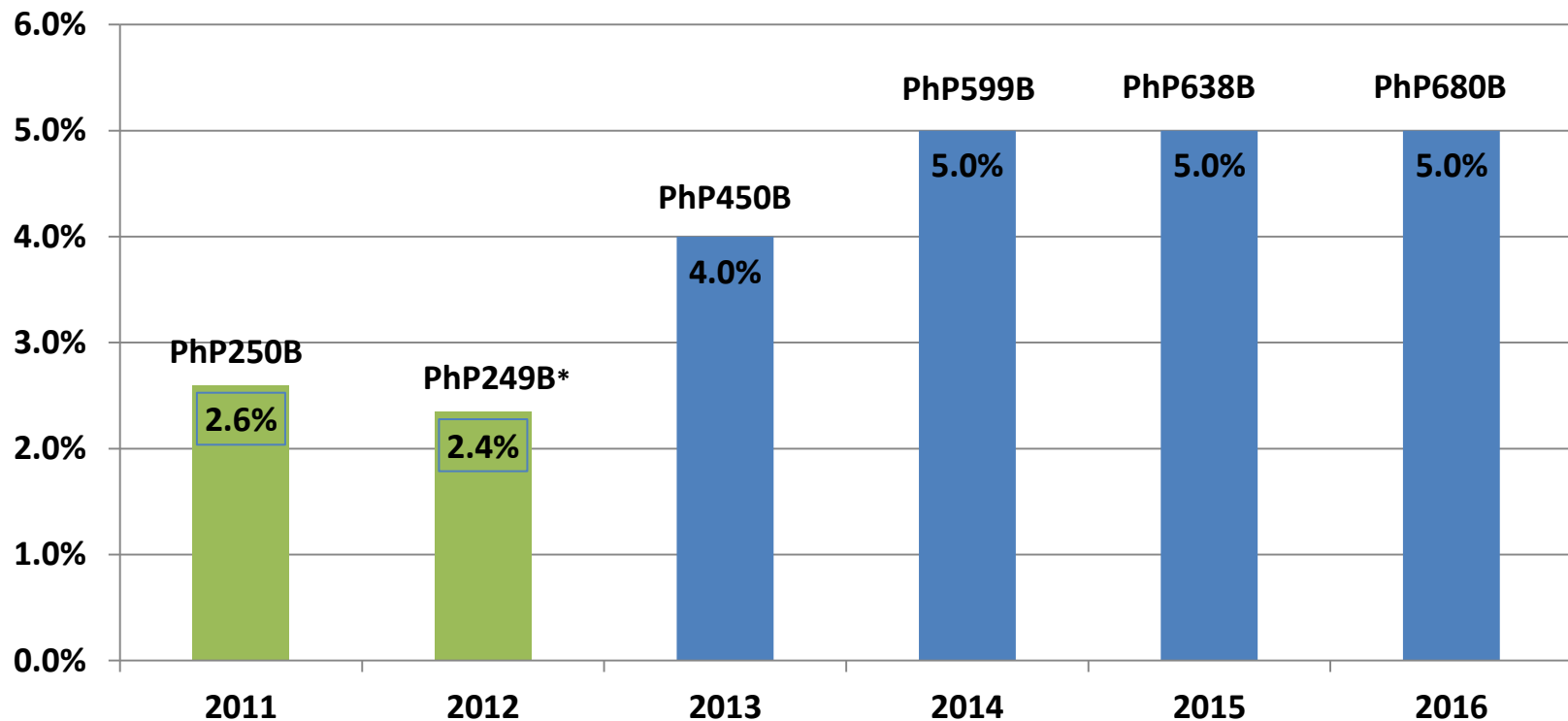
Fast Track Implementation of Other Crucial Infrastructure

- Develop new power sources, uprate existing power plants
- Develop and rehabilitate irrigation systems
- Provide flood control measures
- Provide infrastructure to enhance access to basic services

Increase Infrastructure Spending:

Increase infrastructure spending from 2.6% to at least 5% of GDP by 2016

Public Infrastructure Spending as Percentage of GDP



*as of November 2012

Strengthen Coordination in Planning and Implementation:

Implement a more efficient intermodal transport system based on a coherent roadmap to connect major centers



- Develop additional commuter rail lines
- Provide Integrated Transport System (ITS) north and south terminals



- Accelerate the implementation of approved expressways
- Develop Bus Rapid Transit (BRT) lines
- Improve and extend the PNR line from North to South



- Develop the Roll-on Roll-off (RORO) Spine Project



- Fast-track the implementation of road projects under the DPWH-DOT Convergence Program and approved airport projects



- Pursue construction, rehabilitation of roads connecting key cities and production areas



Strengthen Coordination in Planning and Implementation:

Pursue institutional reform, policy development and implementation

Recommended Actions	Agency
■ Accelerate the approval and adoption of the National Transport Policy (NTP) and the Transport Roadmap to improve the efficiency and effectiveness of the transport sector	INFRACOM-member agencies
■ Transform the National Water Resources Board (NWRB) into a National Water Resources Management Office (NWRMO)	OP, NWRB, DBM
■ Formulate and adopt the National Informal Settlements Upgrading Strategy (NISUS) and National Resettlement Framework	NHA, HUDCC
■ Address issues to full realization of objectives of the Power Sector Reform Agenda	DOE
■ Provide a coherent roadmap towards operationalizing effective e-Governance	DOST-ICTO

Fast Track Implementation of Other Crucial Infrastructure:

Develop new power sources and uprate existing plants

- Develop renewable energy sources in various locations in the country, and the natural gas industry
- Uprate, rehabilitate existing power plants to increase generating capacity
- Pursue private-initiated projects to prepare for critical periods

Develop and rehabilitate irrigation systems





- Pursue multipurpose/major irrigation facilities
- Prioritize quick-gestating activities such as the rehabilitation and improvement of existing irrigation systems

Provide flood control measures

- Implement the NEDA Board approved “*Master Plan for Flood Management in Metro Manila and Surrounding Areas*”
- Implement the Flood Risk Management Project along Selected Principal Rivers (FRIMP)

Fast Track Implementation of Other Crucial Infrastructure *(cont'n)*:

Provide infrastructure to enhance access to basic services

- Provide adequate water supply infrastructure and capacity development support to 455 SALINTUBIG waterless areas 
- Electrify remaining 33,878 sitios 
- Install 102.75 MW additional power capacity in off-grid areas
- Install transmission lines and upgrade substations to improve supply reliability in off-grid areas
- Complete 35,500 classrooms (by 2013) 
- Upgrade 704 BHS, 2,349 RHUs and 566 government hospitals
- Provide direct housing units to a million households
- Complete 69 SLFs with an estimated capacity of 8,600 MT/day of solid waste 



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Thank you.



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Supplementary Slides

Implement a more efficient intermodal transport system based on a coherent roadmap to connect major centers

Programs/Projects	IA	Spatial Coverage
<i>Develop additional commuter rail lines</i>		
LRT Line South Extension Project (formerly LRT Line 1 Cavite Extension, including JICA TA for FS)	DOTC	NCR Region IV-A
LRT Line 2 East Extension Project (formerly LRT Line 2 East Extension, including JICA TA for FS)	DOTC	NCR
MRT 7	DOTC/ ULC	NCR, Region III
<i>Develop Bus Rapid Transit (BRT) lines</i>		
Cebu Bus Rapid Transit (BRT) Section 1 (Bulacao-Ayala section)	DOTC	Region VII



Implement a more efficient intermodal transport system based on a coherent roadmap to connect major centers

Programs/Projects	IA	Spatial Coverage
<i>Accelerate the implementation of approved expressways</i>		
Daang Hari SLEX Link Road Project	DPWH	Region IV-A
North Luzon Expressway (NLEX) - South Luzon Expressway (SLEX) Connector Road	DPWH	NCR
Cavite-Laguna Expressway Project	DPWH	Region IV-A
Ninoy Aquino International Airport (NAIA) Expressway (Phase 2), 4.9km	DPWH	NCR
Central Luzon Link Expressway (CLLEX) Phase I	DPWH	Region III



Implement a more efficient intermodal transport system based on a coherent roadmap to connect major centers

Develop the Roll-on Roll-off (RORO) Spine Project

- *Luzon Island-Panay-Negros-Cebu-Bohol-Mindanao route*



Implement a more efficient intermodal transport system based on a coherent roadmap to connect major centers

Tourism Roads under the DOT-DPWH Convergence Program:

- Road along Ambangeg Jct. National Road to Mt. Pulag, Benguet;
- Penablanca-Callao Cave Road, Cagayan;
- Taal Lake Circumferential Road (Laurel-Agoncillo), Batangas;
- Puerto Princesa North Road (Taytay-El Nido Section), Palawan;
- Donsol-Sta.Cruz Road leading to Tourist Attraction (Butanding), Donsol, Sorsogon;
- Panglao Island Circumferential Road, Bohol;
- Boracay Circumferential Road, Malay, Aklan;
- Service Road to Binangawan Falls Sagay, Camiguin;
- Island Garden City of Samal Circumferential Road (East Side), Davao del Norte; and
- Jct. Osmena-Pilar Road, Siargao Island, Surigao del Norte



Implement a more efficient intermodal transport system based on a coherent roadmap to connect major centers

Programs/Projects	IA	Spatial Coverage
<i>Fast track implementation of approved airport projects</i>		
Puerto Princesa Airport Development Project (PPADP)	DOTC-CAAP	Region IV-B
Bicol International Airport formerly Development of New Legaspi (Daraga) Airport	DOTC-CAAP	Region V
New Bohol Airport Project	DOTC-CAAP	Region VII
Mactan Cebu International Airport Construction of New Passenger Terminal	DOTC-MCIAA	Region VII
Tacloban Airport Re-Development Project	DOTC-CAAP	Region VIII
Laguindingan Airport Air-Navigation System and Support Facilities Supply Project 	DOTC-CAAP	Region X

Implement a more efficient intermodal transport system based on a coherent roadmap to connect major centers

Programs/Projects	IA	Spatial Coverage
<i>Pursue construction, rehabilitation of roads connecting key cities and production areas</i>		
Road Improvement and Institutional Development Project (RIIDP)	DPWH	
Bukidnon-Cotabato Road		Region XII
Iloilo-Capiz Road		Region VI
Palo-Carigara-Ormoc Road		Region VIII
Famy-Infanta-Dalahican Port Road		Region IV-A
Palico-Balayan-Batangas Road		Region IV-A
Caticlan-Malay-Nabas Road		Region VI
Sindanga-Liloy Road		Region IX
Mindanao East-West Lateral Road, Sta. Filomena-Tacalaan Road		Region X
Guimaras Circumferential Road		Region VI
Toledo-Tabuelan-San Remigio Road		Region VII
Bacolod-Murcia-Benedicto-San Carlos Road		Region VI
Mindoro West Coast Road		Region IV-B
Surigao (Lipata)-Davao Road		Region XI Region XIII



Develop new power sources and uprate existing plants

Programs/Projects	IA	Spatial Coverage
<i>Uprate, Rehabilitate Power Plants</i>		
Uprating of Agus 6 Units 1 & 2	NPC	Region X
Rehabilitation, Operation and Maintenance of the Angat Hydro Electric Power Plant (AHEPP) Auxiliary Turbines 4 & 5 through PPP Project	MWSS	NCR



Pursue private-initiated projects to prepare for critical periods

	LUZON		VISAYAS		MINDANAO	
Demand Scenario	Low (AAGR = 4.13%)	High (AAGR = 8.48%)	Low (AAGR = 4.52%)	High (AAGR = 8.48%)	Low (AAGR = 4.75%)	High (AAGR = 8.48%)
Projected cumulative increase in demand and reserve (2013-2016)	1298 MW	3442 MW	328 MW	657 MW	337 MW	562 MW
Excess capacity over peak demand and reserve (2012)	1162 MW		206 MW		-47 MW	
Critical periods (assuming no additional capacity starting 2012)	2016	2015	2015	2014	2012	2012
Minimum required capacity addition (2013 - 2016)	136 MW	2280 MW	122 MW	450 MW	384 MW	609 MW
Committed private projects (2013 - 2016)	869 MW		310 MW		588 MW	



Develop and rehabilitate irrigation systems

Programs/Projects	IA	Spatial Coverage
<i>Fast track development of irrigation systems to enhance agricultural productivity and ensure food security</i>		
Casecnan Multi-Purpose Irrigation and Power Project-Irrigation Component, Phase II	DA-NIA	Region III
Balog-Balog MPIP, Phase II	DA-NIA	Region III
Jalaur River Multi-Purpose Project, Stage II	DA-NIA	Region VI
Malitubog-Maridagao Irrigation Project, Phase II	DA-NIA	Region VIII
Participatory Irrigation Development Project	DA-NIA	Regions I,III,IV, VI, X, XI, XII,XIII
National Irrigation Sector Rehabilitation and Improvement Project	DA-NIA	Regions I,III,IV, VI, X, XI, XII,XIII



Provide flood control measures

Programs/Projects	IA	Spatial Coverage
<i>Provide flood control measures to mitigate disaster</i>		
Flood Risk Management Project along Selected Principal Rivers	DPWH	Regions II, VI, X

Three (3) selected principal river systems:

1. *Lower Cagayan*
2. *Tagoloan*
3. *Imus*



Provide flood control measures

Programs/Projects	IA	Spatial Coverage
<i>Provide flood control measures to mitigate disaster</i>		
Master Plan for Flood Management in Metro Manila and Surrounding Areas	DPWH	Metro Manila

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. Valenzuela-Obando-Meycauayan Project 2. KAMANAVA Project, Phase I 3. Manila Bay Seawall & Floodgates 4. Upper Marikina River Improvement 5. Napindan River Dredging 6. Mangahan Floodway Dredging 7. West Side of Mangahan Floodway Project 8. East Side of Mangahan Floodway Project 9. San Juan River Rehabilitation Project | <ol style="list-style-type: none"> 10. Bulacan Flood Project 11. San Fdo.-Sto. Tomas-Minalin Tail Dike 12. Balimbing Creek (Sn. Fdo) Dredging 13. Orani Channel (Bataan) Dredging 14. Laguna Flood Project 15. Proposed River Improvements at Inflow Rivers to Laguna Lake 16. Various Dredging Equipment |
|---|---|



Provide infrastructure to enhance access to basic services

Programs/Projects	IA	Spatial Coverage
<i>Provide Water Supply Infrastructure and Capacity Development Support to Waterless Areas in the Country</i>		
Sagana at Ligtas na Tubig sa Lahat (SALINTUBIG)	DILG/ LWUA/D OH	Nationwide



Provide infrastructure to enhance access to basic services

Programs/Projects	IA	Spatial Coverage
<i>Electrify Remaining 33,878 Sitios</i>		
Sitio Electrification Program	NEA	Nationwide
<i>Install 102.75 MW additional Capacity in off-grid areas</i>		
Off-grid Barangay Electrification	NPC	Regions IV-B, V, VII, VIII, IX, ARMM
Acquisition of Gensets and Accessories	NPC	Nationwide
<i>Install transmission lines and upgrade substations to improve supply reliability in off-grid areas</i>		
Transmission Lines and Substation Projects	NPC	Regions IV-B, V, VII, ARMM
Improvement, Repairs, Maintenance and Spare parts	NPC	Nationwide



Provide infrastructure to enhance access to basic services

Programs/Projects	IA	Spatial Coverage
Other High Impact Projects		
Barangay Line Enhancement Program	NEA	Nationwide
Expanded Rural Electrification	DOE	Nationwide
Market Transformation through Introduction of Energy Efficient Vehicle Project	DOE	Nationwide



Provide infrastructure to enhance access to basic services

Programs/Projects	IA	Spatial Coverage
<i>Complete 35,500 classrooms by 2013 and provision of additional classrooms to support the K to 12 Program</i>		
Classroom Construction and Site Development Projects [1]	DepEd	Nationwide
Special Purpose Fund - Regular School Building Program (SPF-RSBP)	DPWH	Nationwide
<i>Upgrade 704 BHS, 2,349 RHUs and 566 government hospitals</i>		
Health Facility Enhancement Program (HFEP)	DOH	Nationwide
<i>Provide direct housing units to a million households</i>		
Resettlement Program	HUDCC and NHA	Nationwide



Provide infrastructure to enhance access to basic services

Programs/Projects	IA	Spatial Coverage
<i>Development/Construction of Sanitary Landfills</i>		
Development and operation of MMDA-Owned and Controlled SLF and Final Closure, Rehabilitation and Re-vegetation of existing SLFs (San Mateo, Rizal and Carmona, Cavite)	MMDA	NCR, Region IV-A



STRATEGIC ACTION:

Accelerate Infrastructure Development as Catalyst for Inclusive and Sustainable Economic Growth

Increase infrastructure Spending	Strengthen Coordination in Planning and Implementation	Fast Track Implementation of Other Crucial Infrastructure
<p>Increase infrastructure spending as a percentage of GDP, from 2.6 percent to at least 5 percent in 2016</p>	<ul style="list-style-type: none">▪ Adopt a coherent and efficient intermodal transport roadmap▪ Pursue institutional reform, policy development and implementation	<ul style="list-style-type: none">▪ Develop new power sources and uprate existing plants▪ Develop and rehabilitate irrigation systems▪ Provide flood control measures▪ Provide infrastructure to enhance access to basic services

Challenges

Infrastructure Sector Challenges

✓ Sustaining High and Inclusive Growth

Economic Growth

- Inadequate supply of infrastructure remains one of the top impediments to global competitiveness
- Low reserve level of power supply in Mindanao
- Electricity prices among the highest in Asia
- Lack of coordinated, cross-department e-Government services

Human Development

- About 14M Filipinos still without access to clean water
- 95% of 4.7M HHs in MM and HUCs outside MM not covered by sewerage systems
- Need for 5.7M units for socialized housing from 2011 to 2016
- Backlog of 35,500 classrooms as of December 2012



Summary of Timelines in Processing BOT/PPP Projects

	OLD IRR (2006)	NEW IRR (2012)	Number of Days Reduced
SOLICITED PROJECTS			
For projects less than PhP300M	295 243*	224 194*	71 49*
For projects PhP300M and above			
pre-bid conference conducted 60 cd before bid submission	340 273*	254 224*	86 49*
pre-bid conference conducted 120 cd before bid submission	400 333*	254 224*	146 109*
UNSOLICITED PROJECTS	429	548	(119)

Note: * - timelines for projects processed through simultaneous qualification and bidding (single-stage)

