THE ROLE OF INDUSTRIAL PARKS IN MYANMAR'S AGRIBUSINESS SECTOR

DAW AYE AYE MYINT

DIRECTOR

URBAN & REGIONAL PLANNING DIVISION

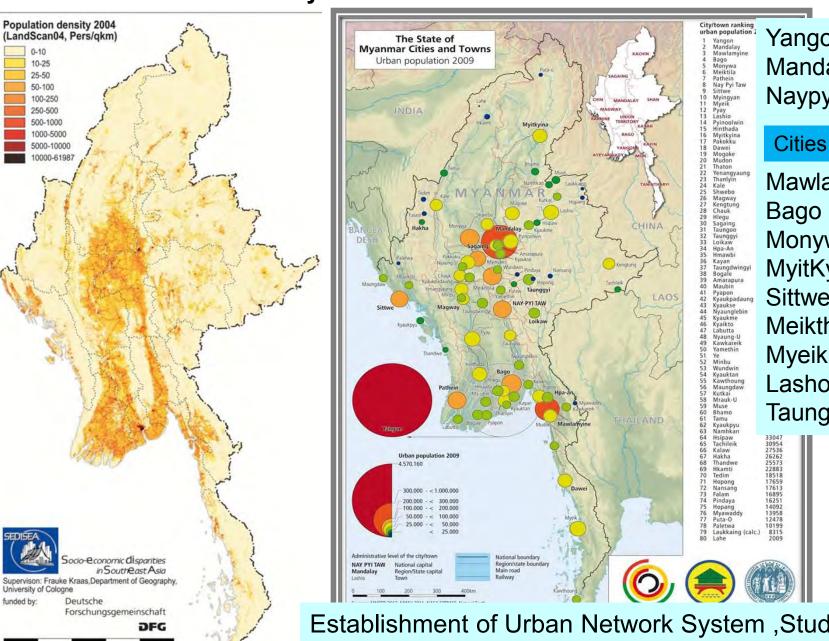
DEPT. OF HUMAN SETTLEMENTS & HOUSING DEVELOPMENT

MINISTRY OF CONSTRUCTION

CONTENT **Background of Industrial Zones in Myanmar Myanmar Comprehensive Development Framework** and Agribusiness Development **Industrial Complex Development linking New Economic Corridors and Growth Poles of Myanmar Study on Existing Industrial Zones and Future Aspect** in Yangon City SEZ Development (Thilawa, Kyaukphyu, Dawei) **Integration of Industrial Park in Urban and Regional Development Plan**

The State of Myanmar Cities and Towns





Source: LandScan™ Global Population Database 2006

Cartography: Regine Spohner

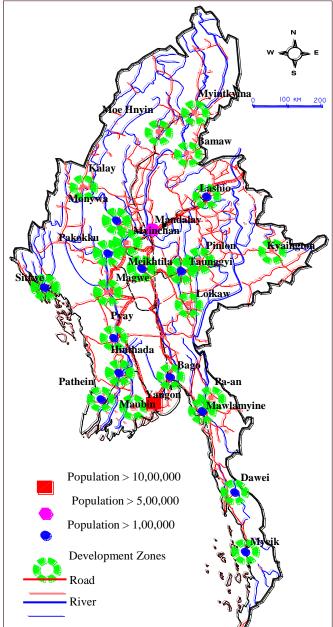
Yangon (5.5m) Mandalay (1.2m) Naypyitaw (1.0m)

Cities 0.15-0.3m pop

Mawlamyine
Bago
Monywa
MyitKyina
Sittwe
Meikthila
Myeik
Lasho
Taunggyi

Establishment of Urban Network System ,Study on 56+ Cities Socio-Economic Development Potential

City Size Distribution above 1,00,000 Population and 24 Development Zones
(1990-2011) List of 18 Industrial Zones

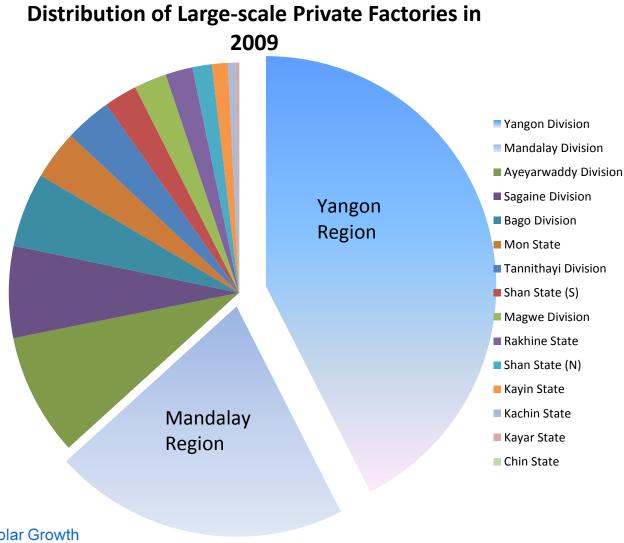


Zone	Established Year	acre 1	No, of Industries
Mandalay Industrial Zone	1990, 1997	946.51	994
2. Myingyan Industrial Zone	·	163.590	306
3. Meikhtila Industrial Zone	1997	385.450	81
4. Monywa Industrial Zone	1992	296.700	490
5. Yae nan Chaung Industrial	l Zone 1998	98.810	137
6. Pakokku Industrial Zone	1999	321.000	448
7. Pyay Industrial Zone			124
8. Patein Industrial Zone	1993		326
9. Myaungmya Industrial Zo	one	101.650	58
10. Hinthada Industrial Zone			482
11. Myeik Industrial Zone			153
12. Taunggyi Industrial Zone	1999	287.000	342
13. Mawlamyine Industrial Z	one	163.400	326
14. Bago Industrial Zone			35
15. Yangon (East)			
16. Yangon (West)			
17. Yangon (North)			
18. Yangon (South)			

Industrial base in Yangon and Mandalay

- More than 40% of large-scale private factories were located in Yangon, followed by Mandalay (20.7%) in 2009.
- Yangon and Mandalay can function as two engines for

engines for Source: Kudo T., Kumagai S. [2012] "Two Polar Growth Veragemany Sommar: Seeking 'High' and 'Balanced 'Development" IDE Discussion Paper No. 371



Conceptual framework of MCDV



Resource endowment

Human resources Agricultural resources Energy and mineral resources etc.

Present situation

Low income, high poverty ratio, less industrialized, policy distortion, lack of infrastructure, poor HRD etc.

Development Gap

Changing environment

Economic integration including AEC Emerging China and India Economic geography International rules and regulations Political changes

Growth strategies

Agriculture Plus Plus

Export-oriented growth

FDI-driven growth

SME development

Rural development and poverty alleviation

Infrastructure and energy development

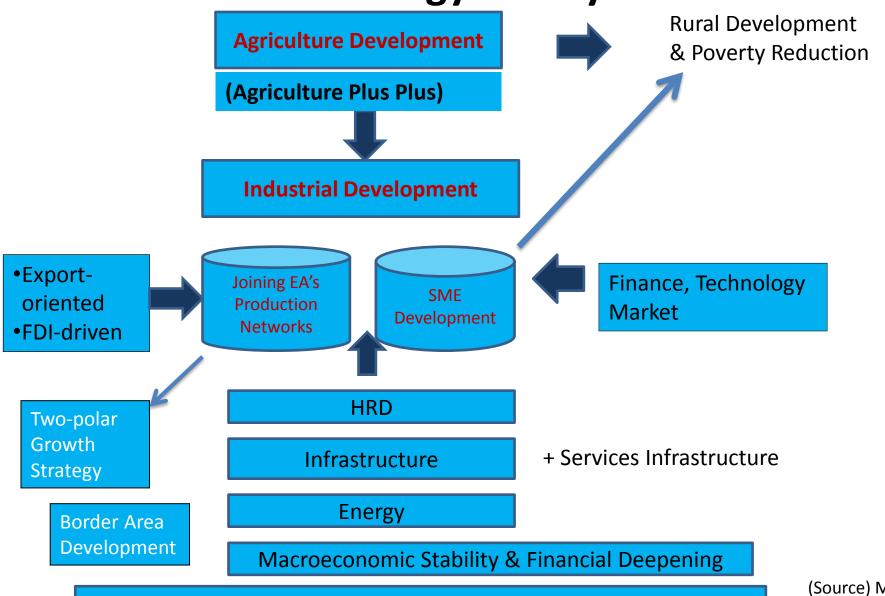
Financial sector development

People-centered Development vision

High-growth & Globally linked **Inclusive & Balanced Green & Sustainable**

Macro-econometric model

Growth strategy for Myanmar



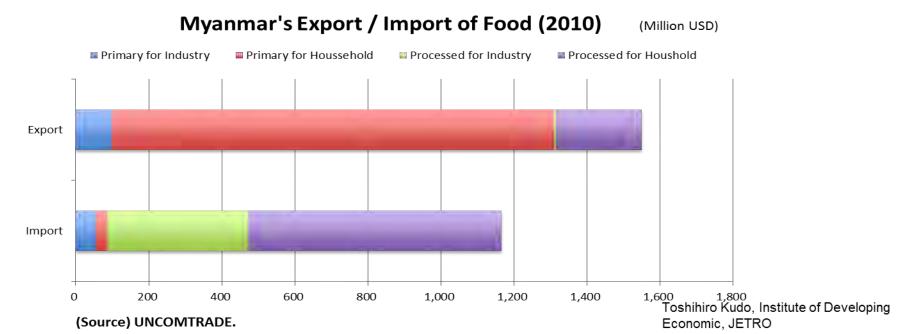
Effective Bureaucracy & Facilitative/Transparent Regulatory Regime

(Source) MCDV Report.

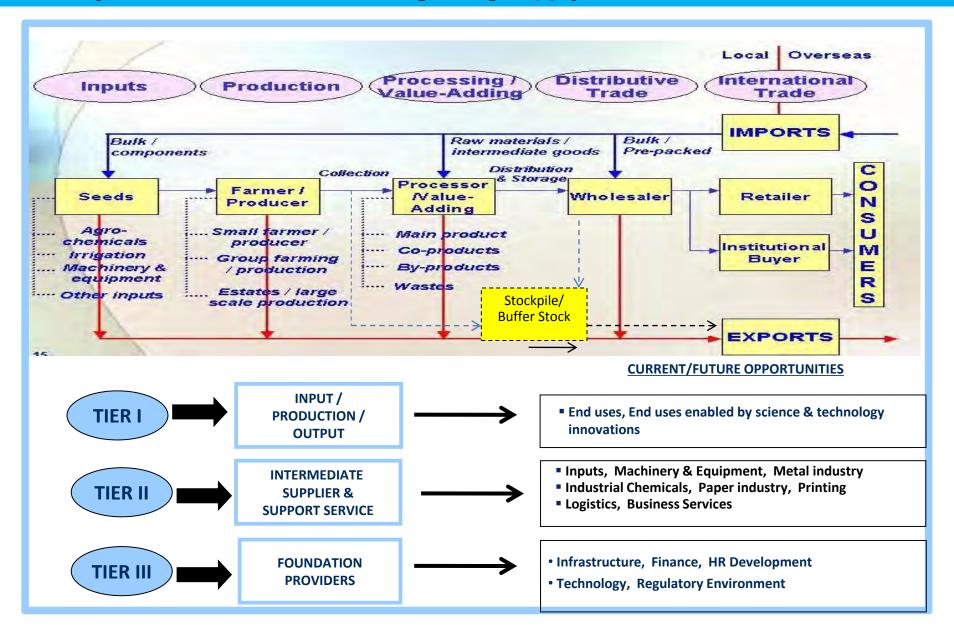
Toshihiro Kudo, Institute of Develop Economic, JETRO

Exporting high-quality agricultural products

- Myanmar is an exporter of food such as rice, beans and pulses, sesame seeds and so forth.
 Myanmar can export more agricultural produce such as rice. Myanmar exports low-quality agricultural produce. For example, Thai white rice price is nearly twice as high as that of Myanmar rice in the international markets.
- Myanmar is an importer of food, processed one in particular.
- Myanmar exports low-quality and primary agricultural produce, and import processed food.
- Quality seeds, farm management, improvement in post-harvest system, processing and marketing is necessary to provide high-quality agricultural produce.

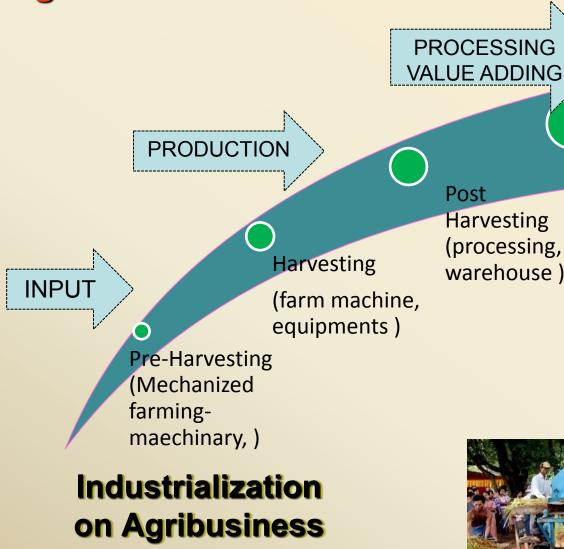


COMPREHENSIVE RICE SUPPLY CHAIN – Productivity increases and value adding along supply chain

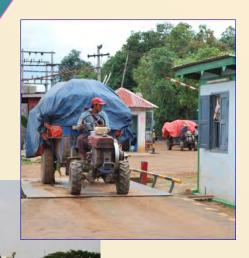


Strategy to Strengthen Agribusiness Activities

Value-added production and agro-based industries

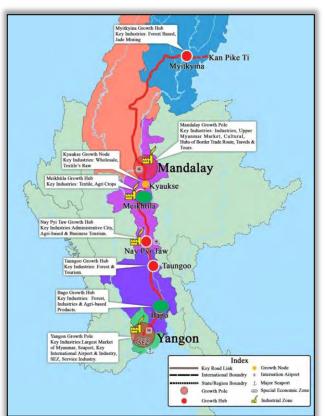


Production
Post
Harvesting
(processing,
warehouse)

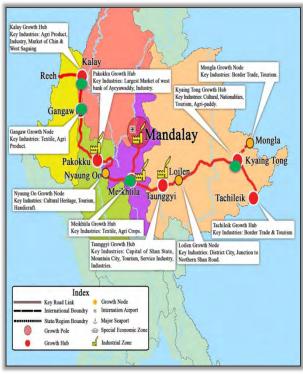


Maps of hub and node cities along Economic Corridors

North-South Corridors (Yangon-Myitkyina-Mandalay-Kan Pai Ti)



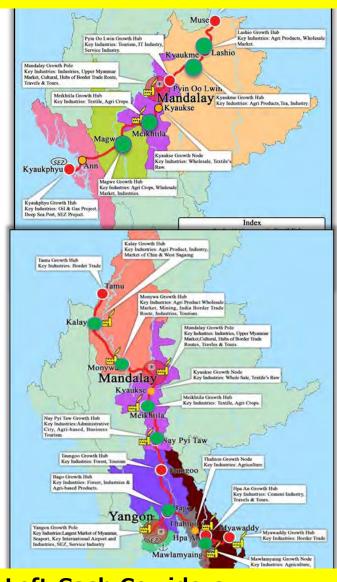
East-West Corridors (Tachileik-Mandalay/Meikhtila, Kalay-Reeh)



Hub of Agribusiness Industry Development (Kalay, Monywa, Meikhtila, Lasho, Kyaukme, Naypyitaw, Bago, Malwamyine, Phaan)

Toshihiro Kudo, Institute of Developing Economic, JETRO

Right - Sash Corridors (Muse-Mandalay-Kyaukphyu)



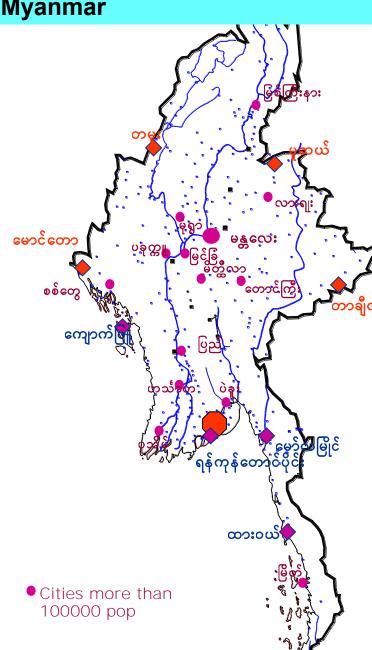
Left-Sash Corridors (Myawaddy-Mandalay, Tamu)

Industrial Zones Development Strategy in Myanmar



Types of Industries Emphasized

- Large Scale Special Industrial Zone (SIZ)(Dawei/ Mawlamyine/ Kyaukphyu/ Thilawa & South Yangon)
- 2. Small & Medium Enterprises (Outskirts of Major Urban Areas)
- International /Cross Border Trading (FTZ)
 (Thailand: Tachileik, Myawaddy, etc. /
 China: Muse, etc. / India: Tamu /
 Bangladesh: Maung Taw, etc.)
- 4. Tourism Based MEZ
 (Bagan Tourism MEZ/ Inlay Lake Tourism MEZ/ Andaman Marine Tourism MEZ)
- Resource Based Industrial Zone (Fishery Processing IP/ Agro-based IP)



Mandalay
Myinchan
Meikhtila
MonYwa
Yae-Nan-Chaung
Pakokku
Bago
Pyay
Pathein
Myaungmya

Hinthada Myeik

Taunggyi

Mawlamyine Yangon (East)

Yangon (West)

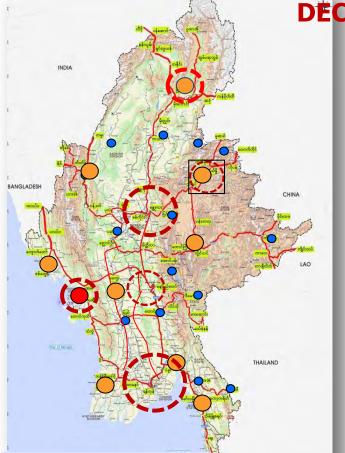
Yangon (South) Yangon (North)

NATION DEVELOPMENT STRATEGY



STRATEGY CONCEPT OF CONCENTRATED AND

DECENTRALIZATION DEVELOPMENT STRATEGY



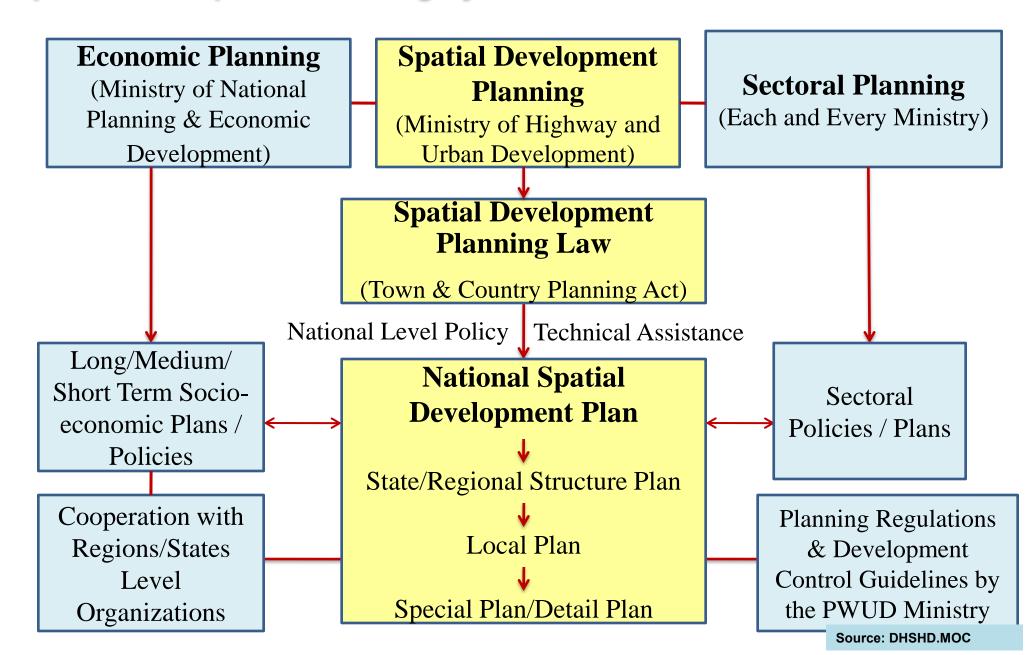
Two-Polar Development Concept (Yangon & Mandalay): Two-polar growth strategy and border development with enhancement of connectivity

- Capital City (Administrative, Transport & Logistic Hub)
- National Economic Growth Centre (SEZ, Port, Int. Airport, Trading, Financial)
- Secondary Regional Growth center
- Other Growth center
 Town with more then 50000 inhabitants

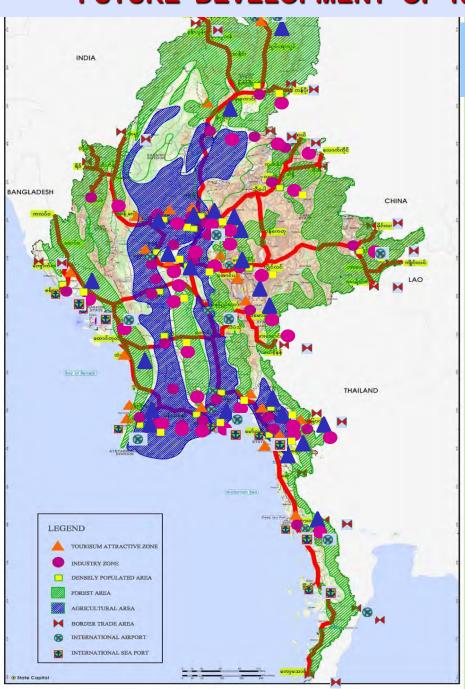
To make the strategy feasible, spatially targeted investment (including physical and institutional infrastructure) in Yangon, Mandalay and some border areas is required.

Spatial Development Planning System





FUTURE DEVELOPMENT OF NATIONAL PHYSICAL PLAN



Myanmar Future Major Urban Network and Special Development Activitie



TOURISM ATTRACTIVE ZONE



INDUSTRY ZONE



DENSELY POPULATED AREA



BORDER TRADE AREA



INTERNATIONAL AIRPORT



INTERNATIONAL SEA PORT



FOREST AREA



AGRICULTURAL AREA

Source: DHSHD.MOC

1958-1959

Satellite Town Establishment

South Okkalapa (1958) - (132 plots)(35 acres)

North Okkalapa (1959) - (262 plots)(109.7 acre)

Thaketa (1959) - (168 plots)(200 acrea)

1995 - 2006 (8-Zones)

New Town Development & Industrial Zone Established by DHSHD

Hlaing Thaya Zone (1,2,3,4,5,6,7)

Shwe Pyitha Zone (1,2,3,4)

Shwe Paukkan

Dagon Seikkan, Dagon East, Dagon South

Thilawa

Myaung Ta Ga (Hmaw Bi)

1995 – JV (2-Zones)

FDI PROMOTION ZONE

Mingaladon Industrial Park & Sinmardev)

2000 - 2010 (6 Zones)

Area Development & Industrial Zone Established by Private Developer

Yangon Industrial zone

Shwe Than Lwin

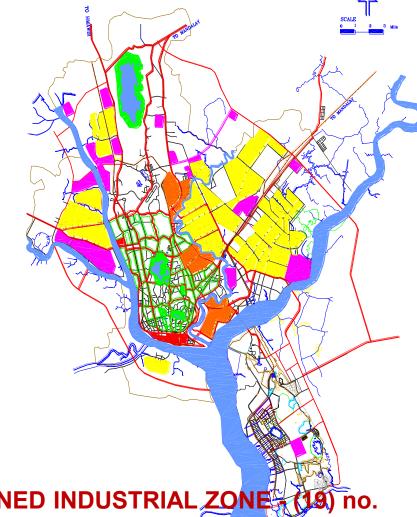
Mya Sein Yaung Industrial Zone

Anawyahtar Industrial Zone

Thardukan Industrial Zone

December Industrial Zone





PLANNED INDUSTRIAL ZONE (19) no.

Total Ind. Plot

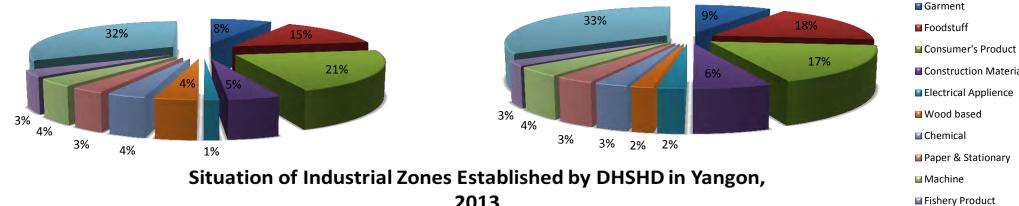
Total Ind. Land Area

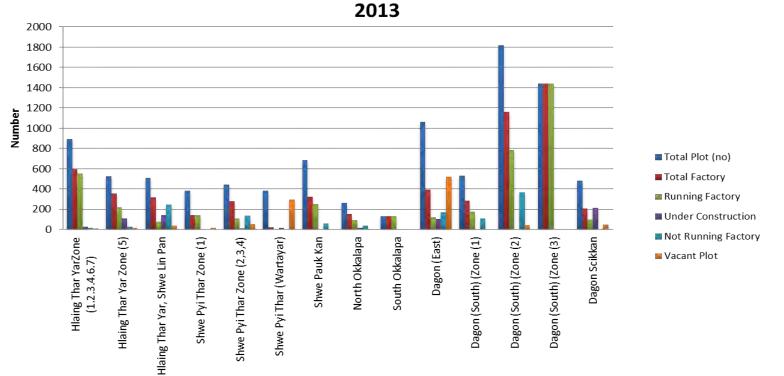
- **5000** plots

- 10631 acres

Type of Manufacturing in Industrial Zones in Yangon ,2010

Type of Manufacturing in Industrial Zones in Yangon ,2013





Industrial Zones

ISSUES ON LOCAL INDUSTRIAL ZONE

Weakness in integration of industrial Process and Chain system

Infrastructure (energy, land, transport, communication, etc)

Supporting services (finance, IT, legal services, public services)

Consumers / market (the distance from market)

Suppliers / resources ((the distance from suppliers)

Environmental security

Poor LAND USE Planning and INDUSTRIAL LAYOUT

Weak in Development Control and Law Enforcement

Inadequate provision of INFRASTRUCTURE and Utility Services

Lack of Proper Drainage System, Power Supply and Water Supply System

Lack of Waste Water Treatment System

Insufficient Industrial Waste Disposal & Management System

ENVIRONMENTAL ISSUE

No Pollution control, without Monitoring System

Environmental Problems - Water, Air, Noise, Soil and Visual

Pollution & Ground water contamination

LAND ISSUES

Very High Land Price and Land Speculation

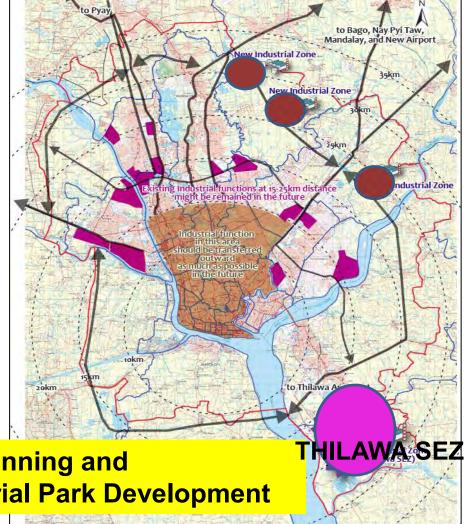
Unused industrial Land and low productivity Farm Land – Farmers & Squatter Problems



VISIONS & A STRUCTURE PLAN, JICA

INDUSTRIAL FUNCTION

- ➤ In Yangon 24 industrial zones are currently under operating with a total area of 5,105 ha, which include some unused lands inside them. (Red)
- Beside Thialwa SEZ, 700 ha of additional new industrial zones will be necessary.
- New IZ will be located mainly along the **outer ring road**.

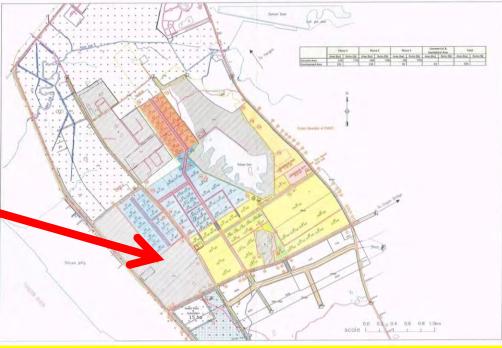


It is needed to consider on regional planning and development aspects for future Industrial Park Development



THILAWA SEZ

- Total Area ~ 2400 ha
- Phase 1 "396 ha" (Class A)

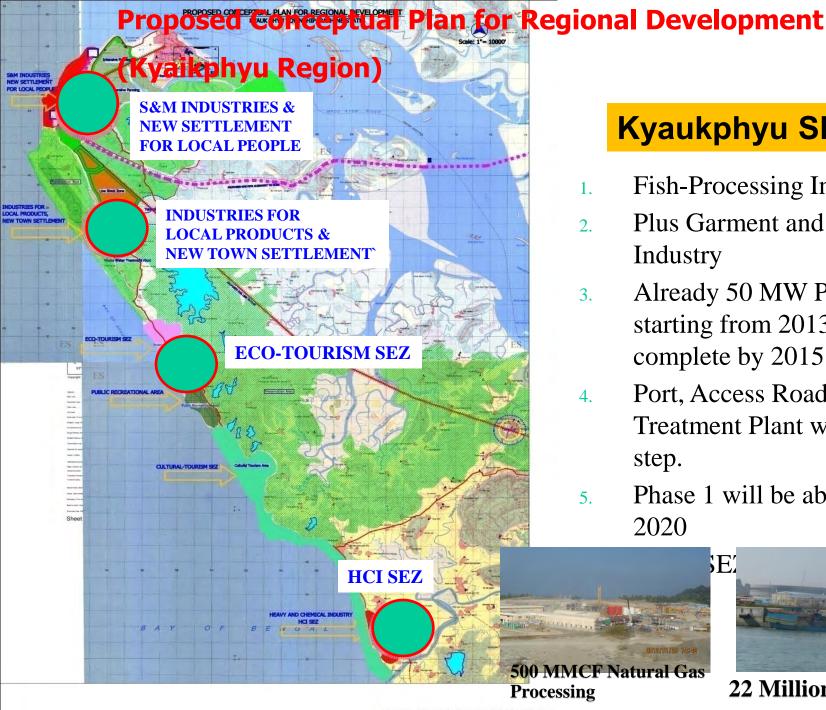


Implementation started on 30th Nov, 2013 Commercial Operation end of 2015

Class A- Priority for Advanced Technology

Manufacturing

(Vehicle , Electric,..)



Kyaukphyu SEZ Concept

- Fish-Processing Industry
- Plus Garment and other Light Industry
- Already 50 MW Power plant is starting from 2013 and expected to complete by 2015
- Port, Access Road, Water Supply & Treatment Plant will be needed next step.
- Phase 1 will be about 200 hector by 2020



22 Million ton/y Oil tanks

DAWEI SEZ



DAWEI TO KANCHANABURI CORRIDOR
DAWEI DEEP SEA PORT & INDUSTRIAL ESTATE DEVELOPMENT

DAWEI

Thi Laot Tax

Thit Ka Don

Ye Boult

Nyangdon

Kose Chaung

Myitta Ai One

Shibyudaing

Fangdon

Yakutaina

Thi Tha

Southanna page

Kyanktein

Existing Corridors

New Proposed Co

Liquid Bulk Terminal for Petroleum & Petrochemical

LNG

Dry Bulk Terminals for

Coal Fired Power Plants

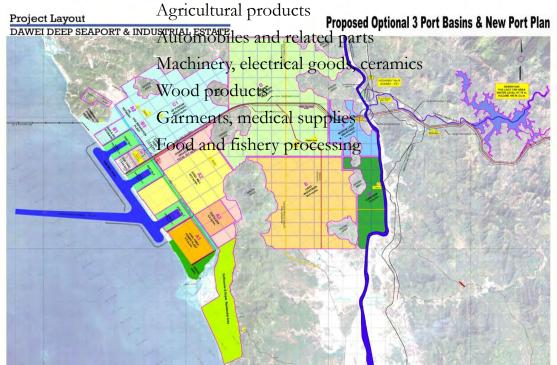
Steel Mill

Fertilizer

Container Terminal

Shipyard

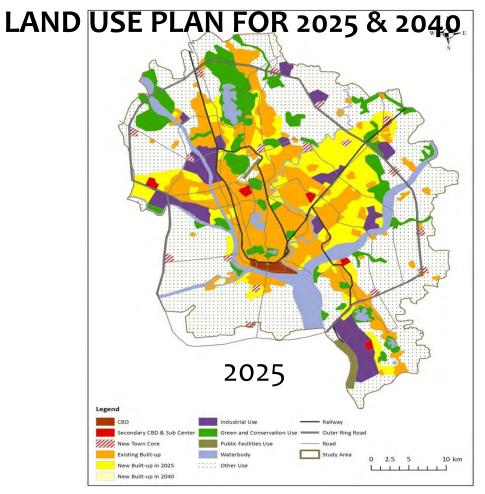
Light and Medium Industries - Gen. Cargo

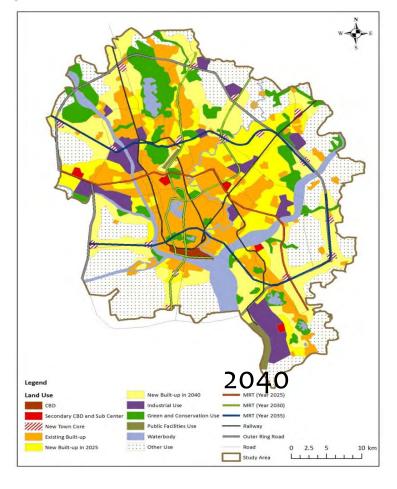


Integration of Industrial Park in Urban and Regional

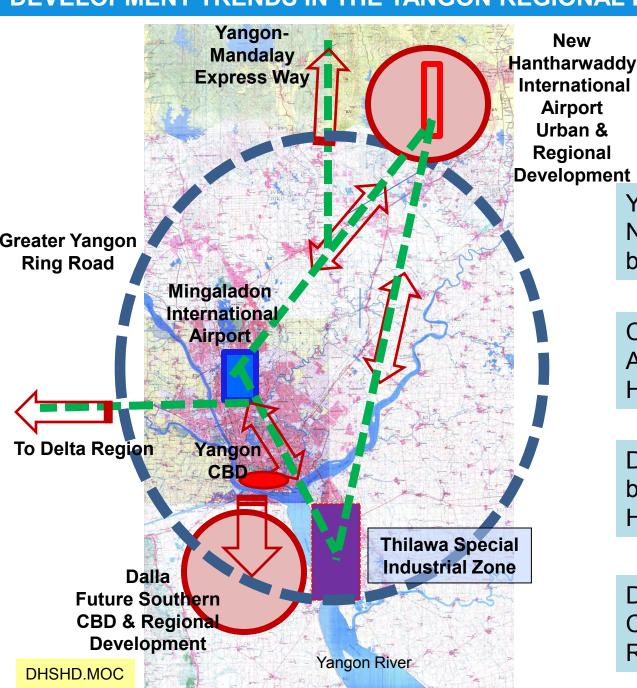
Development Plan

GREATER YANGON
URBAN DEVELOPMENT MASTER PLAN, JICA





DEVELOPMENT TRENDS IN THE YANGON REGIONAL DEVELOPMENT CONTEXT



Yangon City Development Trends North & North Eastern Direction between Yangon and Bago Corridor

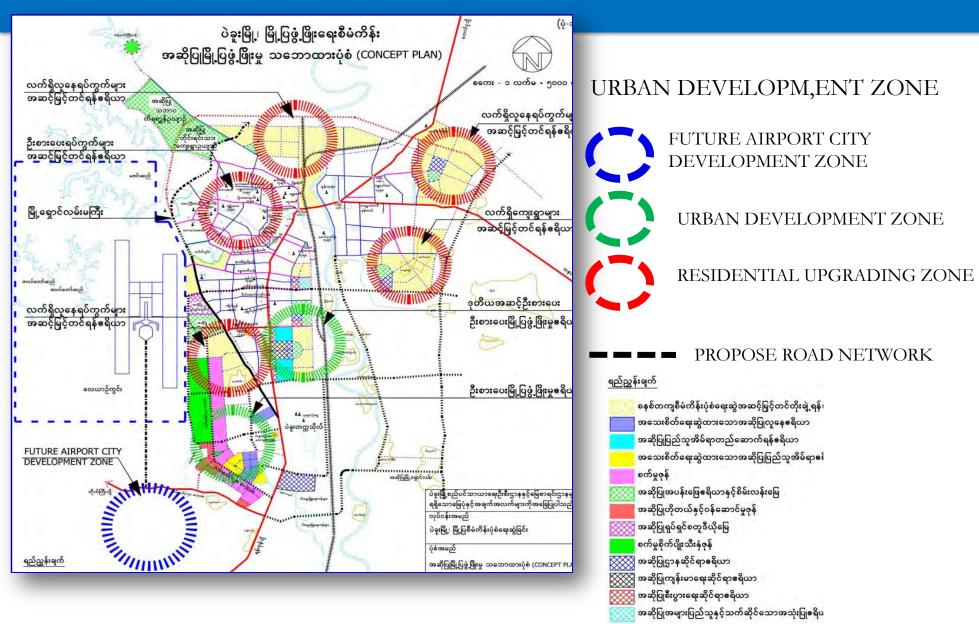
Connection of Yangon International Airport – Thilawa Port -Hanthawaddy-Bago – Express way

Development Potential & Linkages between Thilawa SEZ and Hanthawaddy New Airport

Development Potential on New CBD in Yangon Southwestern Region

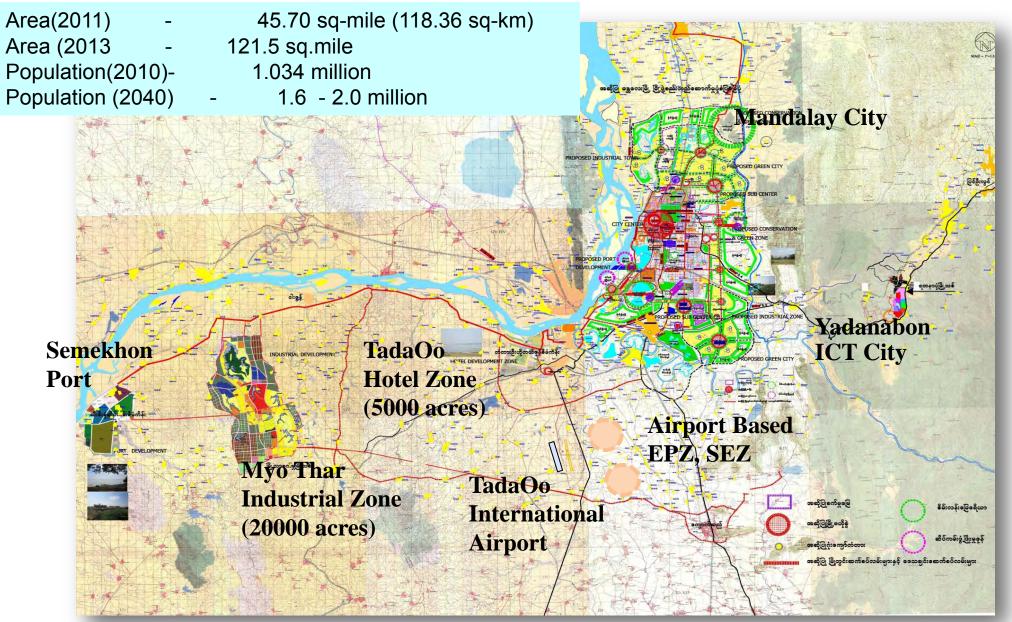
Bago Region, Proposed BagoTown Development Concept Plan





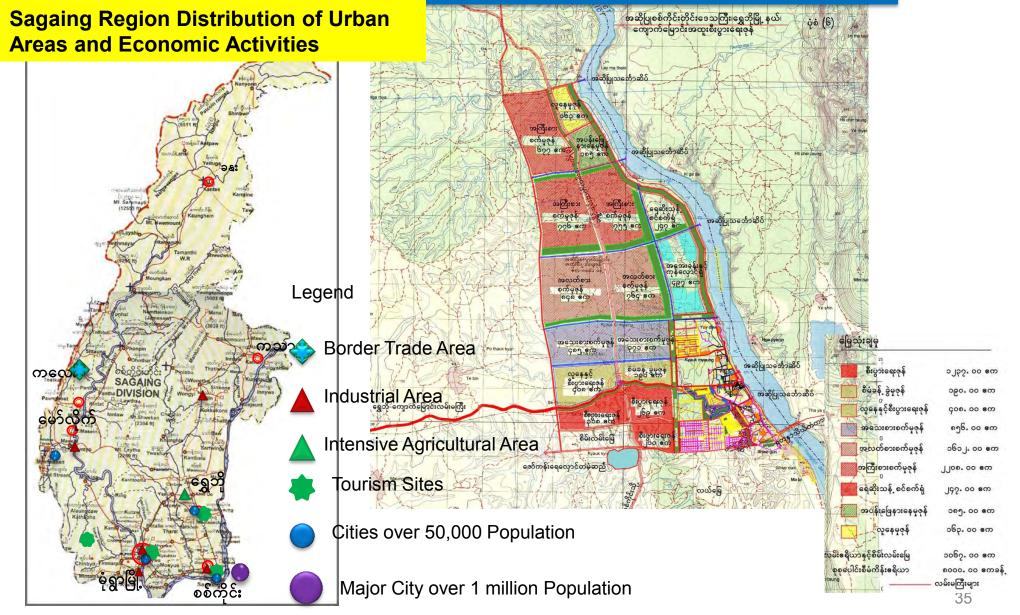
Mandalay City & Regional Development Plan . DHSHD. MOC (2040)

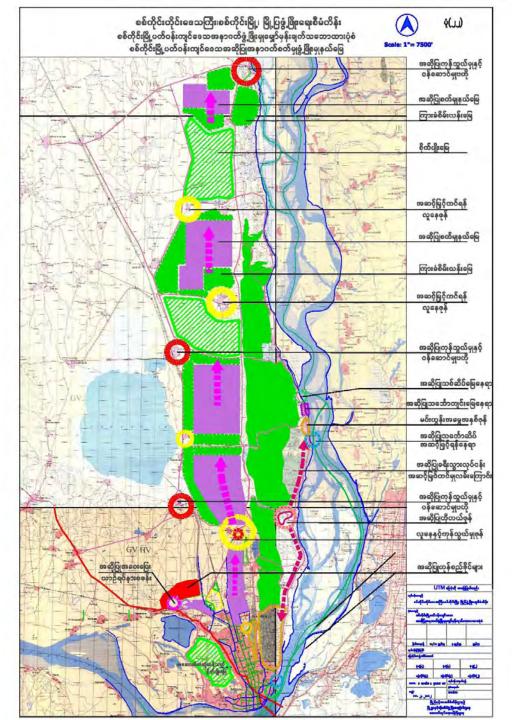




Regional Special Industrial Zone









Sagaing Region Proposed Sagaing Town Plan

PROPOSED LANDUSE & ZONING

Existing Town Upgrading Area
New Residential Area
Proposed Industrial Zones
Proposed Services and Hotel Zone
Mixed Development Zone
Green Buffer Zone
(Development Control Area)
Proposed Commercial Zone
Bus Terminal

Industrial Complex and Port Development in Ayarwaddy Division

