

# Ministry of Economic Affairs

## 10<sup>th</sup> FYP Midterm Review

### July 2008 – June 2010

November 22, 2010



# Outline of Presentation

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- 1) Introduction
- 2) Vision, Mission & Mandate
- 3) Overview of the Economy
- 4) Key Achievements & Issues Sector-wise
- 5) Recommendations

# Introduction

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## DPT Manifesto on the Economy

“A strong and vibrant economy, as emphasised by His Majesty the King time and again, is necessary for the continued peace, security and prosperity of the nation. We must capitalise on the opportunities provided by globalisation by leveraging our strengths through the creation of an efficient, investor friendly environment; supported by coordinated development of policies, infrastructure and focus on thrust areas in the manufacturing and service sectors.”.....

# Introduction

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“Policies must be aimed at fostering greater competitive advantage through the use of advanced technology, skills and provision of industrial infrastructure. A high economic growth rate that is inclusive and equitable is the only long term solution for poverty reduction and improvement in the living standards of our people.” ..... “Moreover a strong and dynamic economy is vital for the smooth transition of the nation to a successful democracy. A country beset with economic woes cannot meet the aspiration of its people.”



# Vision

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To promote a green and self reliant economy sustained by an IT enabled knowledge society guided by the philosophy of GNH.

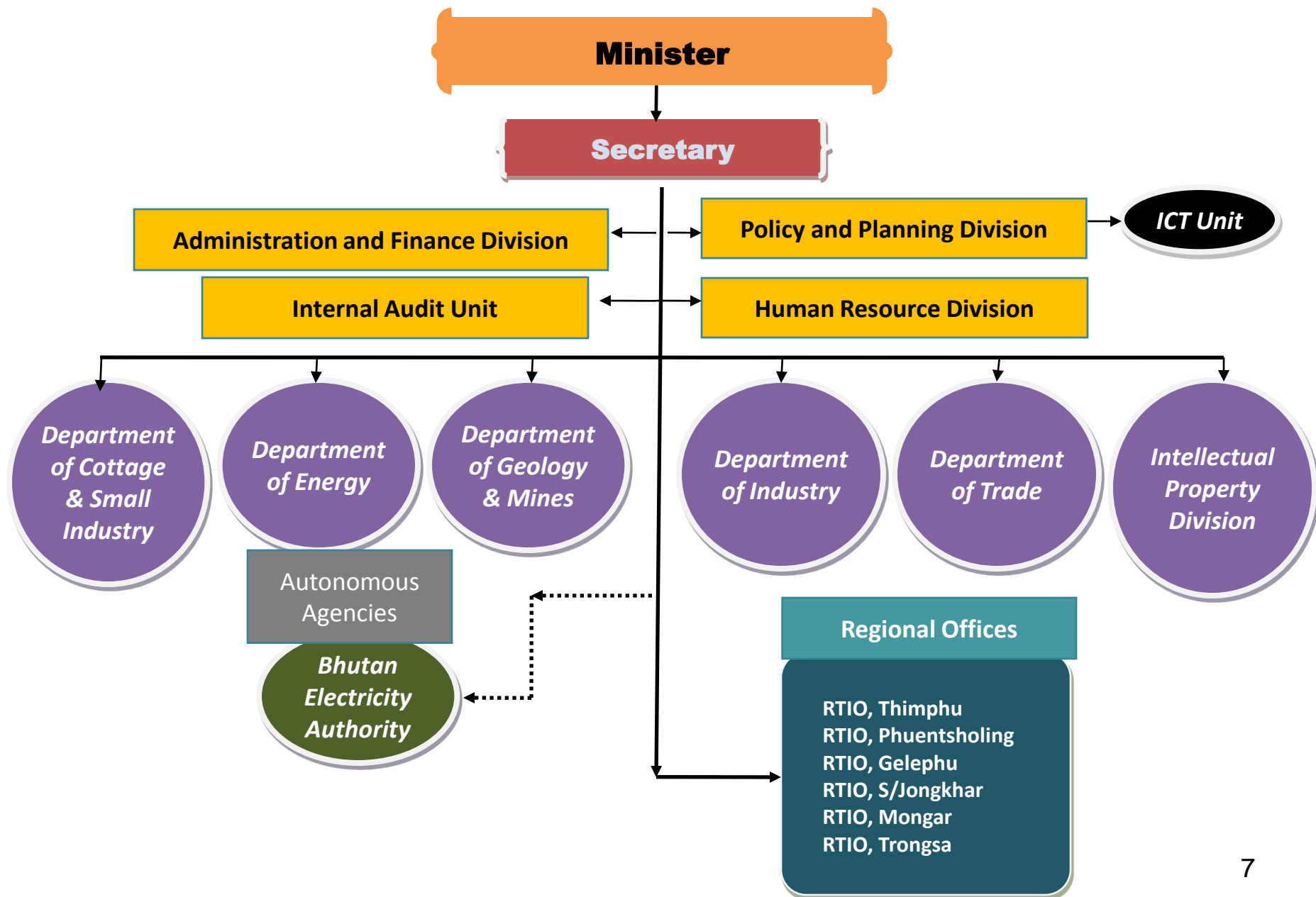


# Mission

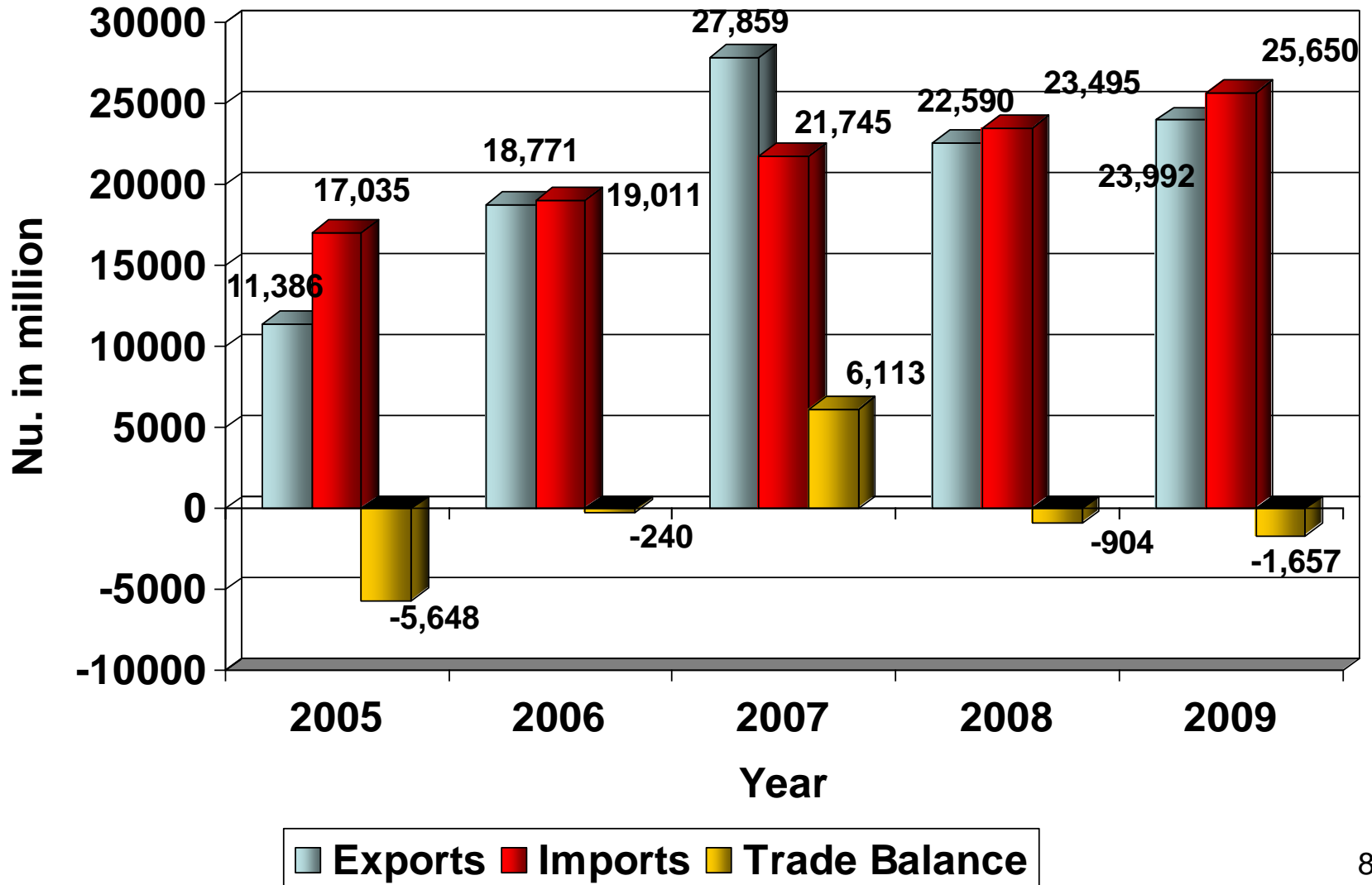
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To create an enabling environment, including institutions and infrastructure for the sustainable growth of the economy through public & private sector development.

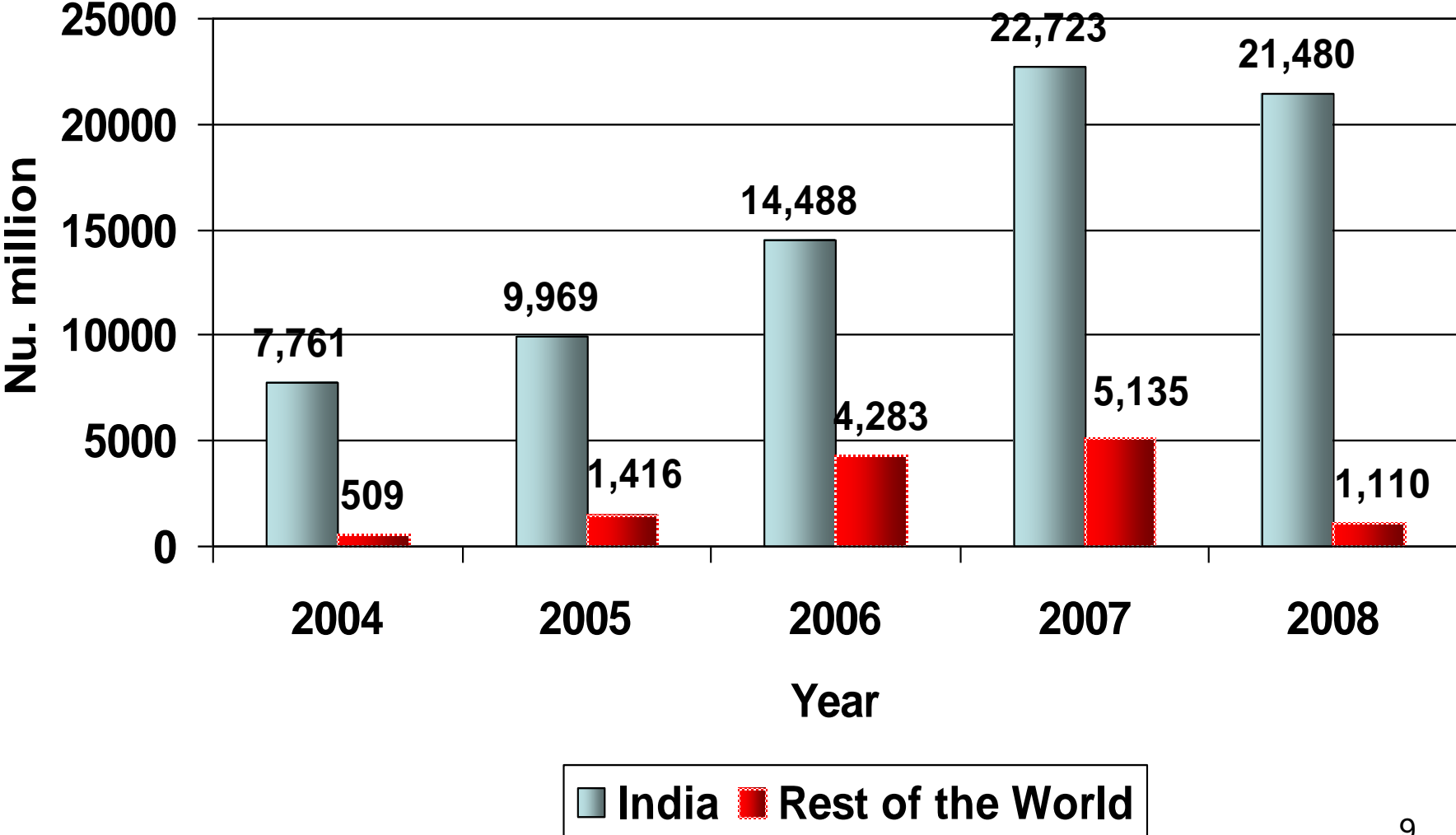
# ORGANOGRAM OF THE MINISTRY OF ECONOMIC AFFAIRS



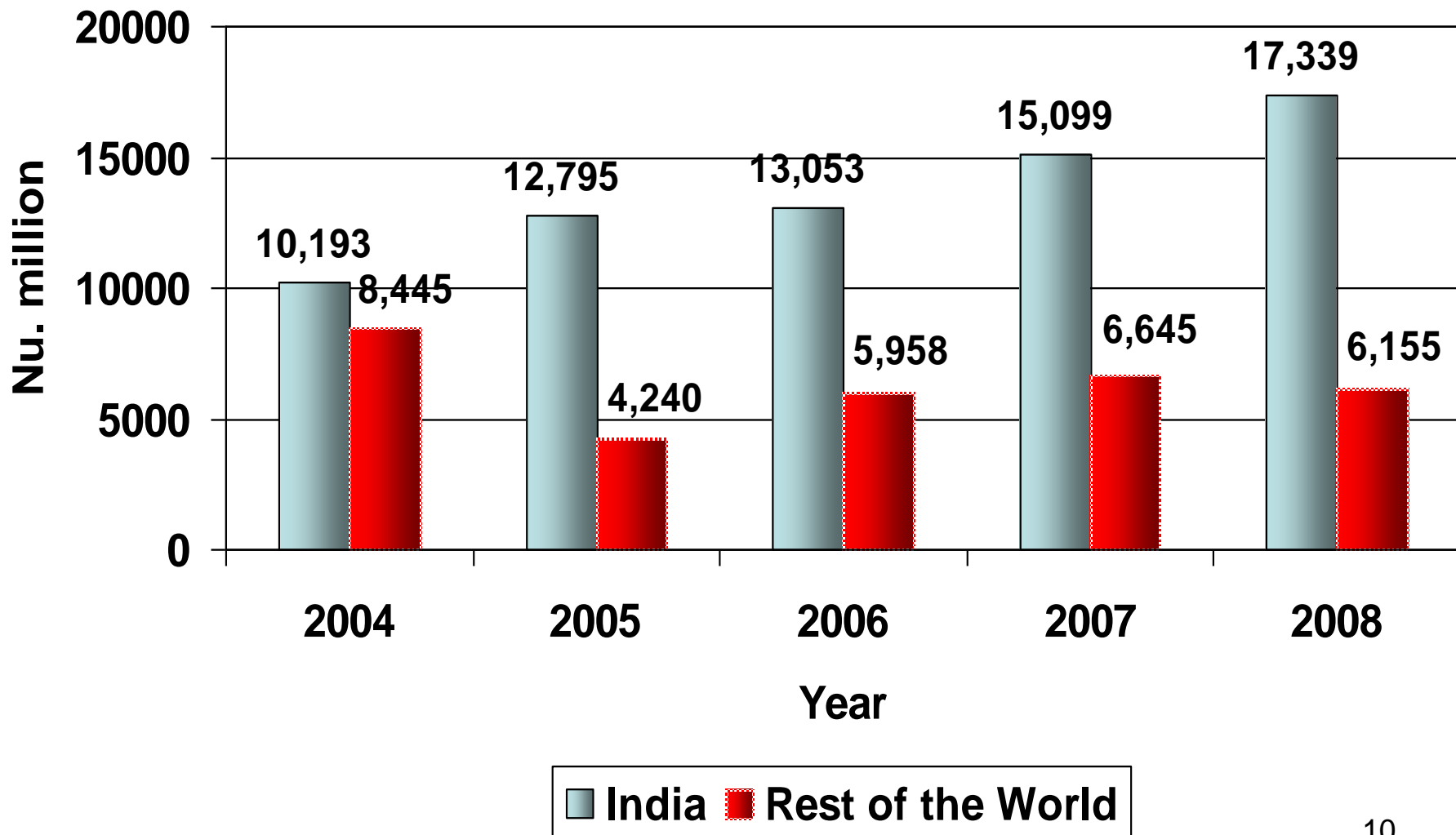
# Balance of Trade



# Exports to India and Rest of the World



# Imports from India and Rest of the World



# Overview of the Economy - Competitive Advantages

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- 1) Political stability
- 2) Peace and security
- 3) A vibrant and living culture
- 4) Natural and pristine environment
- 5) Geo-economic location and open access to the emerging Indian market
- 6) Reliable and competitively priced energy
- 7) Nation of GNH
- 8) Wide use of English language

# Overview of the Economy - Challenges

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- 1) Small domestic market.
- 2) Inadequate infrastructure.
- 3) High transportation cost.
- 4) Difficult access to finance.
- 5) Inconsistent policies.
- 6) Lack of management skills.
- 7) Access to land
- 8) Shortage of professionals.
- 9) Low productivity of labour.
- 10) Absence of R&D capability.

## Secretariat - Key Achievements

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- 1) Economic Development Policy (EDP).  
(Launched April 2, 2010)
- 2) Investment Climate Assessment undertaken.
- 3) Creation of the Department of Cottage & Small Industry. (Established July 2010)
- 4) Reduction of Administrative Burden.

## Secretariat - Key Achievements

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- 5) Private Sector Development
  - i. PSD Committee reconstituted in June 2009. (Total 25 members, 11 RGoB, 14 Private Sector and BCCI is the Secretariat)
  - ii. Regular interactions/consultation with the private sector

## Secretariat - Key Achievements

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- 6) Cleaner Technology & Environment Management (CTEM) guidelines framed.
- 7) Institutional & capacity strengthening of the ministry and private sector in CTEM.
- 8) Gender mainstreaming activities.
- 9) Support to rural enterprise development.

# Secretariat - Issues & Challenges

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- 1) Separate Secretariat for Energy sector (approved by Lhengye Zhungtshog on July 2008) not yet established.
- 2) Significant increase in 10<sup>th</sup> FYP outlay. (To be presented later in detail) Reprioritisation (including new activities and activities to be dropped) of 10<sup>th</sup> FYP activities submitted to GNH Commission.
- 3) No sector-wise recurrent budget outlay for the 10th FYP (MoF & GNHC do not have figures).
- 4) Regional Trade & Industries Office construction – Nu. 45 million.
- 5) GNH Commission to take responsibility to implement the EDP.

# Secretariat - Issues & Challenges

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- 6) HR Issues
  - i. Approved post in the 9th FYP, not approved in the 10th FYP (Including GSP and ESP).
  - ii. Approval for new post creation. (For proposed divisions & existing offices in the Ministry)
  - iii. High rate of transfer/attrition of officials and staff impediment to professional development of sectors. (PCS)
  - iv. No replacement for deputation post.

# Secretariat - Issues & Challenges

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- 6) HR Issues contd...
  - v. Lack of HRD budget to address and manage manpower capacity constraints.
  - vi. Only 1 legal officer who serves as Company Registrar. Difficult to provide legal services across various technical departments.
  - vii. Strengthening of the Internal Audit Unit

## Secretariat - Recommendations

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- 1) Review of plan programs by GNHC should be undertaken at least on an annual basis. Doing reviews at mid-term and end of plan periods will not ensure checks and balance at the right time to ensure delivery vis-à-vis plan targets.
- 2) Integration of PLaMS and MYRB (PEMS) is necessary and crucial to ensure success of PLaMS.
- 3) Inclusion of the construction of 3 Regional Trade & Industries Office in the plan against Secretariat outlay – Nu. 45 million.

## Secretariat - Recommendations

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- 4) Internal Audit Unit Strengthening – Currently only one Chief Internal Auditor. Immediate need for 2 internal auditors and 1 office assistant. Overall 6 internal auditors required.
- 5) One additional legal officer against the approved post required for provision of legal services across technical departments.

# Department of Cottage & Small Industry (CSI) – Key Achievements

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- 1) Draft MSME Policy & Strategy, Piloting of Regulatory Impact Assessment (RIA), White Paper on Enterprise Registration completed.
- 2) Skills development training for over 200 cane and bamboo artisans conducted.
- 3) Essential oil laboratory established for quality testing.
- 4) Trial marketing of lemon grass oil undertaken in new markets.



# Department of Cottage & Small Industry - Issues & Challenges

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- 1) Unavailability of funds on time hampering implementation of Accelerating Bhutan's Socio-economic Development programmes for culture industry (Craft Sector).
- 2) Lack of mobility for DCSI is a challenge as workload increases for implementing CSI development.

# Dept of Cottage & Small Industry - Recommendations

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- 1) Budget for Accelerating Bhutan's Socio-economic Development (Craft Sector) needs to be made available immediately.
- 2) Approval for a vehicle for the new department or provide alternative options such as vehicle hire budget.

# Department of Energy – Key Achievements

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- 1) **Accelerated Hydropower Development**
  - i. Financial Closure for 114MW Dagachhu Hydroelectric Project completed and Project Construction handed over to the DHI.
  - ii. Sustainable Hydro Power Development Policy (SHDP) approved in July 2008.
  - iii. The Protocol to 2006 Agreement concerning cooperation in the field of Hydroelectric power was signed on 16<sup>th</sup> March 2009.
  - iv. Construction of main civil works of Punatsangchhu-I HEP started in March 2009.
  - v. Tala Hydroelectric Project Authority (THPA) handed over to DHI/DGPC in April 2009.

# Department of Energy – Key Achievements

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- 1) **Accelerated Hydropower Development contd....**
- vi. EJG formed to fast track implementation of projects (3 Meetings held so far).
- vii. Identified and Finalized 10 projects for implementation under the 10,000 MW development plan.
- viii. Preparation of DPRs for Punatsangchhu-II & Mangdechhu and DPR Update of Sankosh HEP with Rock-fill Dam option completed (Concrete Dam option under study).
- ix. Agreements for Pre-Construction works of Punatsangchhu-II & Mangdechhu HEPs signed on 23rd March 2010 and Pre-Construction works started.

# Department of Energy – Key Achievements

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- 1) **Accelerated Hydropower Development contd....**
  - x. The Implementation Agreements for Punatsangchhu II and Mangdechhu HEPs signed on April 30, 2010.
  - xi. Project Authorities for Punatsangchhu II and Mangdechhu established in June 2010 for construction
  - xii. Equity injection for JV projects under 10,000 MW plan – 49% by RGoB and 51% by PSUs of GOI. RGoB's equity will be financed by GOI as grant.
  - xiii. Reconnaissance study of 15 hydropower projects and PFRs of Rotpashong and Khomachhu HEPs under progress.

# Schedule of DPR & Construction of 10 Hydropower Projects under the 10,000 MW Plan

Sl. #	Projects	Submission Date of Final DPRs	Final Approval by two Govts.	Construction Start Date	Development Mode
1	Punatsangchhu-I (1200 MW)	Done	Done	Construction underway & Commissioning by 2015	IG
2	Punatsangchhu-II (990 MW)	Done	Done	Construction started & commissioning by 2016.	IG
3	Mangdechhu (720 MW)	Done	Done	Construction started & commissioning by 2016.	IG
4	Sankosh Storage (4060 MW)	September 2010	December 2010	Construction to start by early 2011.	IG*
5	Kuri-Gongri (1800 MW)	December 2011	March 2012	Construction to start by 2012.	IG*

Sl. #	Projects	Submission Date of Final DPRs	Final Approval by two Govts.	Start Dates of Construction	Development Mode
6	Amochhu storage (620 MW)	September 2011	December 2011	Construction to start by beginning 2012.	IG*
7	Wangchhu (600 MW)	December 2011	March 2012	Construction to start by 2012.	JV
8	Bunakha Storage (180 MW)	March 2011	June 2011	Construction to start by 2012.	JV
9	Kholongchhu (650 MW)	June 2011	September 2011	Construction to start by 2012.	JV
10	Chamkharchhu-I (670 MW)	December 2011	March 2012	Construction to start by mid 2012.	JV

**Total: 11,490 MW**

\* While it has been agreed to implement 6 projects under IG mode, GoI has indicated their preference to take up these Projects also as JV.

# Department of Energy – Key Achievements

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- 2) **Power Transmission Programme**
- National Transmission Grid Master Plan Project under progress and to be completed by June 2011.
  - East-West Grid interconnection (Tsirang-Jigmeling-Gelephu 220kV line under progress by BPC) – completion by December 2011.
  - Grid extension to all the Dzongkhag HQs completed.
  - Power evacuation arrangement for Punatsangchhu-I & II HEPs finalized and work awarded.

3) **Electricity for All by 2013 - Rural Electrification of 43,951 HHs**

Households electrified till end of 9th Plan – 44,691 (54%)

Fiscal Year	Initial Plan	Achievement & Revised Plan			
		On-Grid	Fill-in RE	Off-Grid	Total HHs
2008-09	1,635	0	1,000	878	1,878
2009-10	15,366	561	1,388	1,087	3,036
2010-11	2,285	15,373	1,210	735	17,318
2011-12	19,171	800	1,210	882	2,892
2012-13	5,494	17,504	1,211	112	18,827
<b>TOTAL</b>	<b>43,951</b>	<b>34,238</b>	<b>6,019</b>	<b>3,694</b>	<b>43,951</b>

## Electricity for All by 2013 – Funding Status

Sl. No.	Project	HHs	Donor	RGoB/BPC	Fund Status*
			Nu. in million		
<b>A</b>	<b>On-Grid</b>	<b>40,257</b>	<b>4,216.229</b>	<b>1,917.164</b>	
1	ADB- IV project	8,767	1,095.888	287.844	Secured
2	JICA/JBIC-I Project	15,712	1,439.340	840.460	Secured
3	ACB-VI	800	102.940	31.200	Secured
4	ADB-V project	5,075	607.200	83.720	Secured
<b>5</b>	<b>JICA-II Project</b>	<b>3,665</b>	<b>905.861</b>	<b>146.275</b>	<b>To be secured</b>
6	ACB-VII	219	65.000	26.082	Secured
7	RE Fill-in	6,019		501.583	Secured
<b>B</b>	<b>Off-Grid</b>	<b>3,694</b>	<b>190.440</b>		
1	Solar	3,582	131.68		Secured
<b>2</b>	<b>Micro Hydro</b>	<b>112</b>	<b>58.76</b>		<b>Not secured</b>
<b>TOTAL</b>		<b>43,951</b>	<b>4,406.669</b>	<b>1,917.16</b>	

\*82.4% of the total Fund Secured

# Department of Energy – Key Achievements contd...

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## 4) **Electricity Regulation**

- Bhutan Electricity Authority made fully autonomous in January 2010.

## 5) **Development of Renewable Energy**

- Initiated formulation of Renewable Energy Policy and Captive Power Generation Policy.

## 6) **Strengthening of National Hydromet Services**

- Installation of GLOF Early Warning System for Punakha-Wangdue Valley under progress & expected for completion by June 2011.
- 32 Hydro-meteorological stations  
Established/rehabilitated including installation of 3 Automatic Weather Stations for real-time data collection for weather forecasting.

# Department of Energy – Issues & Challenges

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- 1) **Accelerated Hydropower Development**
  - i. Viability of 4,060MW Sankosh HEP.
  - ii. Timely release of funds by GoI.
  - iii. Timely Completion of DPRs.
  - iv. Huge Financial Requirements.
  - v. Resettlements and Compensations.
  - vi. Environmental Considerations.
  - vii. Access to project sites.

# Department of Energy – Issues & Challenges

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- 1) **Accelerated Hydropower Development contd...**
- viii. Geological conditions.
- ix. Human Resource requirement for Construction and O&M.
- x. Law and Order.
- xi. Round the clock Immigration and Customs.
- xii. Limited Indian contractors on account of hydropower boom in India.
- xiii. Climate Change & Impacts thereof on our water resources and energy security.

# Department of Energy – Issues & Challenges

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- 2) **Rural Electrification – Electricity for All by 2013**
  - i. Timely securing of Funds.
  - ii. Limited Capacity & availability, and heavy engagement of local Contractors for RE Works.
  - iii. Force majeure condition during transit of materials (strikes, customs clearances in India, hindrances at site due to monsoon) .
  
- 3) **Development of Renewable Energy**
  - i. Solar Electrification not a preferred source of energy among the rural populace.
  - ii. Implementation of 50 KW Soe & 100 KW Lingzhi Micro Hydropower Projects - very high costs.

# Department of Energy – Issues & Challenges

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- 4) **Institutional Capacity of DOE**
  - i. Up-gradation to Energy Secretariat with 4 Departments approved by the Cabinet but yet to be cleared by RCSC.
  - ii. Same staff strength but increased mandates.
  - iii. Staff migration to Projects & Corporations.
  - iv. Old fleet of vehicles (early 1990 models).

# Department of Energy – Recommendations

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- 1) Government to accelerate formation of Energy Secretariat with FOUR Departments. If Secretariat formation takes time, it is critical to create THREE Departments immediately.
- 2) Approval of Revised Programme and their Outlays, and total revised 10th Plan Outlay of Nu. 8,297.014 million against initial Outlay of Nu. 4,986.105 million.
- 3) Implementation of 50 KW Soe Micro hydel to be dropped and funds to be explored for Grid connection. 100 KW Lingzhi Micro hydel to be pursued only if 100% grant financing available.
- 4) Approval to purchase 3 vehicles in replacement of 3 old ones from the budget savings with DOE.

# Department of Energy – Recommendations

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- 5) GNHC to expedite timely release of funds for DPRs from GoI.
- 6) Review/remind other line Ministries/Agencies on compliance to LZ directives of July 2, 2008 to resolve constraints and challenges.
- 7) Ministry of Finance to ensure timely availability of JICA fund for Rural Electrification.
- 8) Solar electrification to be recognized as pre-electrification and explore grid electrification in subsequent FY Plans.

# Department of Geology & Mines – Key Achievements

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## **MINING**

- 1) The drafting of the Mineral Development Policy which shall guide the mining sector is in the final stage.
- 2) Revision of the Mines and Minerals Management Regulations 2002 to achieve the following:
  - Fast tracking of approval process for mine lease from 73 to 40 weeks.
  - Public Consultation Guidelines prepared and submitted for incorporation in the DT/GT rules.
  - Enable government authorised agencies to operate more quarries with the social mandate of making construction materials available and at affordable rate.

# Department of Geology & Mines – Key Achievements

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- 3) The revenue generation from the mining sector in the year 2009 was Nu. 208 million crossing the 10<sup>th</sup> FYP target of Nu. 200 million. A new 10<sup>th</sup> FYP target of Nu. 215 million per year is projected.
- 4) As of June 2010, there are 63 numbers of mines and quarries under operation.
- 5) In the current plan, 17 mines and quarries have been leased against 148 applications received.

# Department of Geology & Mines – Key Achievements

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## **GEOSCIENCE**

- 6) Conducted 32 numbers of mineral investigations including detailed subsurface investigations by drilling for various minerals.
- 7) Executed 16 numbers of geotechnical studies related to slopes stability, roads, townships and foundation studies for dams, bridges and other infrastructure.
- 8) Glaciology Division established (September 2009).
- 9) Water level of the main Thorthormi lake reduced by 2.23 m. (2009 and 2010)

# Department of Geology & Mines – Key Achievements

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- 10) Out of 7 glacial lakes that have potential GLOF threat in the head waters of Mangduechhu, 5 assessed and only 2 found to be a threat.
- 11) 2 lakes in Chamkharchhu basin studied and assessment to continue. (DGM-JICA/JST project)
- 12) Seismic micro-zonation for Phuentsholing township executed to determine the type of structures that can be built. (DGM-NGI project)
- 13) Road tunnel pre-feasibility study between Thimphu-Wangdue executed. Detailed feasibility study/funding under process. (DGM-NGI project)

# Department of Geology & Mines – Issues & Challenges

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- 1) Need for a Seismology Division. Fund not available to establish seismic stations.
- 2) Lack of technical mining personnel at the mines & quarries.
- 3) Shortage of manpower in the Department.
- 4) Difficulty in recruiting national labourers at the present national wage rate.
- 5) Shortage of transport facilities for conducting field works.

# Department of Geology & Mines – Recommendations

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- 1) Approval to establish Seismology Division. Funding for the installation of 5 seismic stations across the country (Nu. 32.35 million).
- 2) Scholarship for mining professionals for the private companies. DGM shall train mining technicians up to a level of mine supervisor.
- 3) Adequate number of manpower for the Glaciology Division
- 4) National labour wage rate need to be revised
- 5) Approval of revised DSA for working at higher altitude
- 6) Approval to procure additional field vehicles

# Department of Industry – Key Achievements

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- 1) **Development and management of industrial estates**
  - i. Land acquisition completed for Motanga.
  - ii. Land acquisition completed for Bondeyma.
  - iii. Area of 1185 acres finalized for Jigmiling.
  - iv. Pasakha:
    - Planned facilities completed (construction of roads, water supply, watch towers and staff quarters).
    - Development of waste disposal facility initiated.
    - Environmental monitoring of Pasakha industries instituted.

# Department of Industry – Key Achievements

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- 2) **Creation of an enabling environment for industrial development:**
  - i. FDI Policy revised (May 2010).
  - ii. FDI Division created.
  - iii. Company Registry Division created.
  - iv. Targeted growth rate in FDI attained (11 FDI projects approved from July 2008 till June 2010).
  - v. Framework for Private Participation in Infrastructure adopted.
  - vi. Location clearance exempted for additional 31 industrial activities.
  - vii. Dungsam Cement Project Authority handed over to DHI.

# Department of Industry – Key Achievements

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- 39 companies registered.
- 3379 licences issued for manufacturing and service industries.
- Geological investigation of limestone deposits in Gelephu area initiated under Kuwait fund.
- Completed 8 feasibility studies and made available to interested private sector promoters (investment opportunity study, mineral water, electrical accessories, calcium carbonate, ferro silicon, hospital supplies, school supplies and construction materials).
- Strengthened support to private sector during global recession.

# Department of Industry – Issues & Challenges

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- 1) Awaiting decision on Strategic Impact Assessment report for Dhamdum Industrial Estate.
- 2) Dzongkhag's preoccupation delayed land survey and thereby land acquisition at Jigmiling.

# Department of Industry - Recommendations

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- 1) Inclusion of the following new activities amounting to Nu.123.12 million:
  - i. Development of Bondeyma Industrial Estate (Nu. 10.54 million).
  - ii. Development of Waste Management facility at Pasakha Industrial Estate (Nu. 100 million).
  - iii. Establishment of FDI Division (Nu. 2.5 million).
  - iv. Balance Kuwait fund grant of Nu. 10.08 million.
- 2) DHI to take up development of Motanga Industrial Estate, Jigmiling Industrial Estate and Dhamdum Industrial Estate under PPP model.

# Department of Industry - Recommendations

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- 3) Leasing and administration of GRF land to be handed over to Local Governments.
- 4) Capacity building of officials particularly in Company Registry Division and FDI Division.
- 5) Provision of a vehicle for Company Registry Division for effective delivery of services.
- 6) The following activities are proposed to be dropped:
  - Corporatization of management of industrial estates.
  - Establishment of one window clearance (Nu. 0.7 million).
  - Product certification (Nu. 4 million).

# Department of Trade – Key Achievements

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- 1) **Promotion of Domestic Trade**
  - i. The Consumer Protection Bill has been submitted to parliament.
  - ii. As of June, 2010, 2507 retail & wholesale licenses and micro registration certificates issued, increasing the total to 15,768.
  - iii. The Trade Development Bill is being drafted.
  - iv. Conducted 3 market missions and 4 trainings for exporters and 4 trainings to enhance business capacity of entrepreneurs.

# Department of Trade – Key Achievements

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- 2) **Promotion & Integration of Trade into Regional & Global markets**
  - i. The Preferential Trade Agreement (PTA) with Bangladesh which expired in May 2008 renewed in 2009 with more concessions.
  - ii. Duty exemption on 18 exportable products from Bhutan (earlier 15%) provided by Bangladesh government.
  - iii. An additional entry point into Bangladesh, Tamabil included in the Trade Agreement and operationalised.
  - iv. Initiated discussions on draft PTA with Nepal.

# Department of Trade – Key Achievements

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- 2) **Promotion & Integration of Trade into Regional & Global markets**
- v. Completed preparatory works for the 5th working party meeting and several awareness programmes on WTO implemented.
- vi. Acceded to the Enhanced Integrated Framework.

# Department of Trade – Key Achievements

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- 3) **Export Promotion and Development**
  - i. Co-ordinated the 9th SAARC trade fair (2009) (191 firms participated).
  - ii. Bhutan SEAL (Seal of Excellence and Seal of Quality) launched and operationalised in 2009.
  - iii. Finalised request for proposal/bidding documents for the warehousing and distribution complex to be built under PPP model in Phuentsholing.

# Department of Trade – Key Achievements

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- 4) **Development & Management of POL Services**
  - i. 3 POL retail outlets set up increasing the POL services coverage to 90%.
  - ii. Fuel laboratory operationalised and commissioned. (Nov 2008)
  - iii. LPG quota from Government of India increased from 500MT to 700MT per month.
  - iv. Curbed misuse of quota kerosene resulting in subsidy savings of over Nu. 500 million per annum by decrease in consumption from 15,000 KL to about 5,000 KL.
  - v. POL licenses liberalised.

# Department of Trade – Issues & Challenges

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- 1) Lack of funding for major activities from external sources.
- 2) Position on WTO accession is causing concern amongst foreign governments, international institutions and investors.
- 3) Most activities entail recurrent budget but there is no provision to provide for such recurrent expenses through the current budgeting system.
- 4) POL depot at Dechencholing to be relocated. Alternate site found at Thinchupangkha and cost estimated at Nu. 200 million.
- 5) Re-location of dry port from Phuentsholing to Toribari approved. However due to non-finalisation on the railway link, land acquisition could not be carried.

# Department of Trade - Recommendations

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- 1) Appointment of commercial attaches in New Delhi, Bangkok, Dhaka & Kolkata.
- 2) Directive on WTO accession.
- 3) Inclusion of the following new activities amounting to Nu.200 million:
  - POL depot relocation with an estimated cost of Nu. 200 million is being submitted for incorporation into the 10<sup>th</sup> FYP as a new activity.

# Department of Trade - Recommendations

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- 4) The following are requested to be dropped and reprioritised:
  - Funds for WTO accession related activities of Nu.5 million proposed to be dropped.
  - Quality Development Programme and National Branding Programme proposed to be reprioritised with a budget of Nu.10 million (5 million each).
  - A budget of Nu.5 million proposed to set up the consumer protection office from the previous budget of Nu. 10 million.
- 5) Funding commitment required for :
  - i. Nation Branding.
  - ii. Quality development.
  - iii. Export promotion.
  - iv. Implementing Public Private Partnership projects.

# Intellectual Property – Key Achievements

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## 1) **Trademark Registry**

- Received 2339 Trademark applications (national/international filing), and
- Generated Nu. 9.2 million to the Government from Trademark related activities

## 2) **Industrial Design Registry**

- Established Industrial Design Registry, and
- Registered two industrial designs filed by a national applicant.

# Intellectual Property – Key Achievements

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## 3) **Groundwork on the establishment of Patent Registry**

Completed the following to facilitate establishment of a Patent Registry by 2011:

- Developed Industrial Property Administration System (IPAS)

## 4) **Groundwork on the establishment of Voluntary Copyright Registry**

- Developed appropriate electronic software for Voluntary Copyright registration,
- Prepared draft guidelines on voluntary copyright registration.

# Intellectual Property – Key Achievements

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- 4) **Groundwork on the establishment of Voluntary Copyright Registry**
  - Guidelines on enforcement of the Copyright Act is being finalized.
  - A study on the Contribution of Copyright and Related Rights-based industries to the national economy of Bhutan is being finalized.
- 5) **Awareness campaigns on intellectual property**
  - Conducted awareness workshops covering 3 Dzongkhags and 280 participants.
  - Produced and aired a video spot/clip for public awareness on Copyright and Related Rights.



# Intellectual Property – Issues & Challenges

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- 1) Inappropriate institutional setup creating operational difficulties,
- 2) Lack of legal and technical expertise, and
- 3) Lack of public awareness on intellectual property issues

# Intellectual Property – Recommendations

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- 1) Up-grade the Intellectual Property Division to Department of Intellectual Property.
- 2) Provide adequate fund for job attachment/on-the-job training in the intellectual property offices outside Bhutan.
- 3) Enter into cooperation arrangements with the intellectual property offices of those countries whose intellectual property systems are well established.
- 4) Provide adequate fund to carry out necessary awareness programmes.

# 10<sup>th</sup> FYP Outlay and Proposed Revised Outlay

Departments/Sector	10 <sup>th</sup> FYP Outlay (Capital Budget)	Proposed Revised Outlay
Dept of Cottage & Small Industry	Nu. 123.970 million	<b>Nu. 191.51</b> million
Dept of Industry	Nu. 233.03 million	<b>Nu. 351.54</b> million
Dept of Energy	Nu. 4,986.105 million	<b>Nu. 8,297.014</b> million
Dept of Geology & Mines	Nu. 241.575 million	Nu. 229.532 million
Dept of Trade	Nu. 102.5 million	<b>Nu. 224</b> million
Secretariat	Nu. 40 million	<b>Nu. 45</b> million
Total	Nu. 5,763.180 million	<b><u>Nu. 9,298.596</u></b> million

Increase in outlay by – **Nu. 3,535.416** million



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THANK YOU & TASHI DELEK