

# Understanding & Appreciating Zhemgang

**Dzongkhag Administration, Zhemgang**



# Zhemgang: The Land and its People



## ➡ The Land

- ➡ Comprises of three geological zones:
  - ➡ Highly erodible sediments in the south
  - ➡ Well developed soils in the middle
  - ➡ Hard rocks and young soils in the north
  
- ➡ Traditionally divided in three parts (*Khengrig Nam-sum*):
  - ➡ Upper Kheng (*Phikor-Bardo & Shingkhar*)
  - ➡ Middle Kheng (*Nangkor-Nangkor*)
  - ➡ Lower Kheng (*Tamachok-Trong, Bjoka, Nangla, Phangkhar & Goshing*)



## Zhemgang: Land and People Contd...



### ► Name

- Zhemgang: derived from 12<sup>th</sup> century monastery built by Lam Zhang Dorji Drakpa (1146 AD)

### ► People

- Khengpa (Cha-Kheng, Khengpashing, Khen King in Assam, Khengpride, Wild or barbaric, etc)

### ► Language

- Kheng-kha (Dialect diversity, both lexically and tenses formation)

► *Bjokaps and Edipas-Tshangla*

- Zhemgang: The wheel of nobilities (*Dungi Khorlo*)

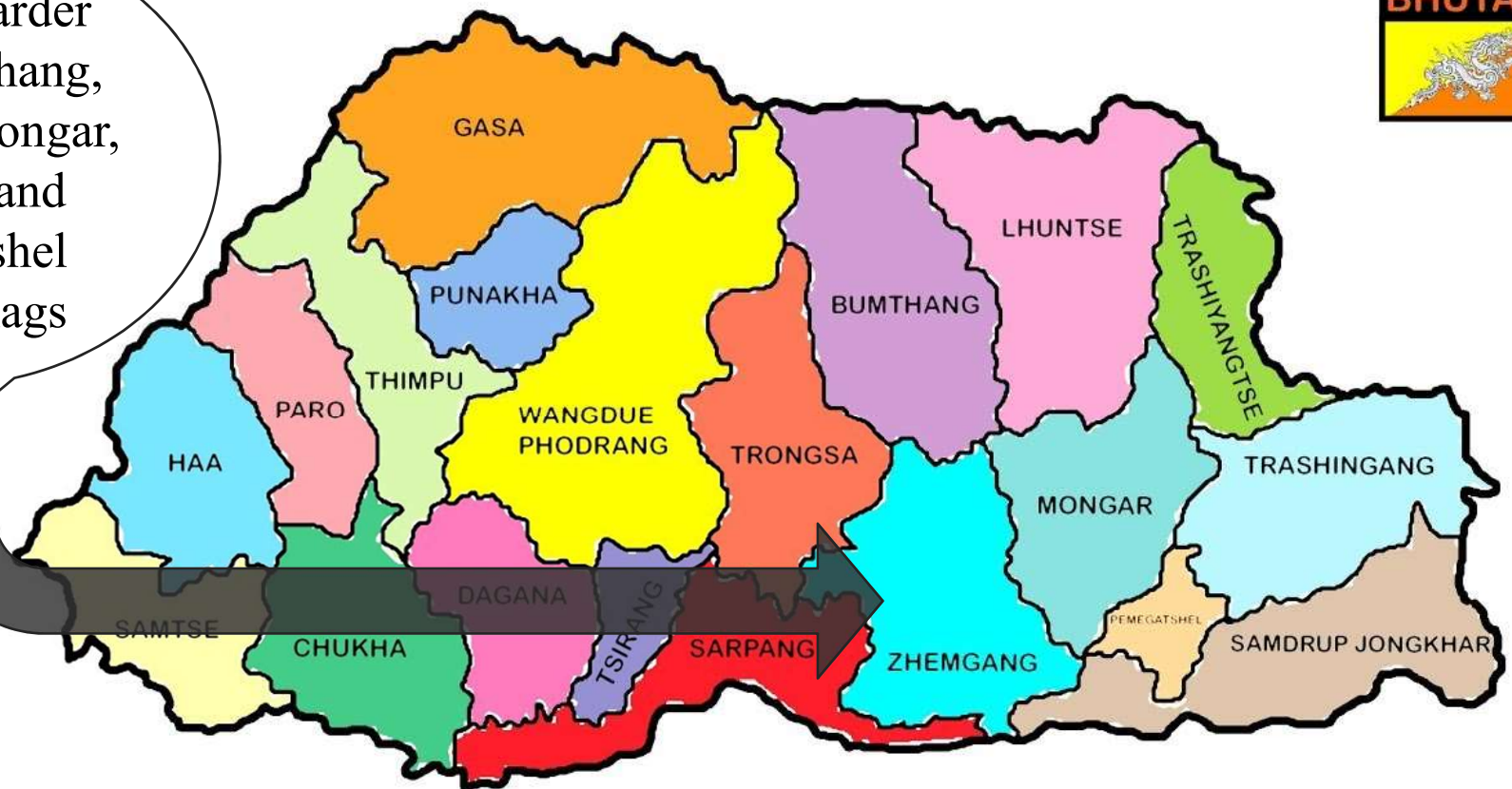




# Where is Zhemgang?



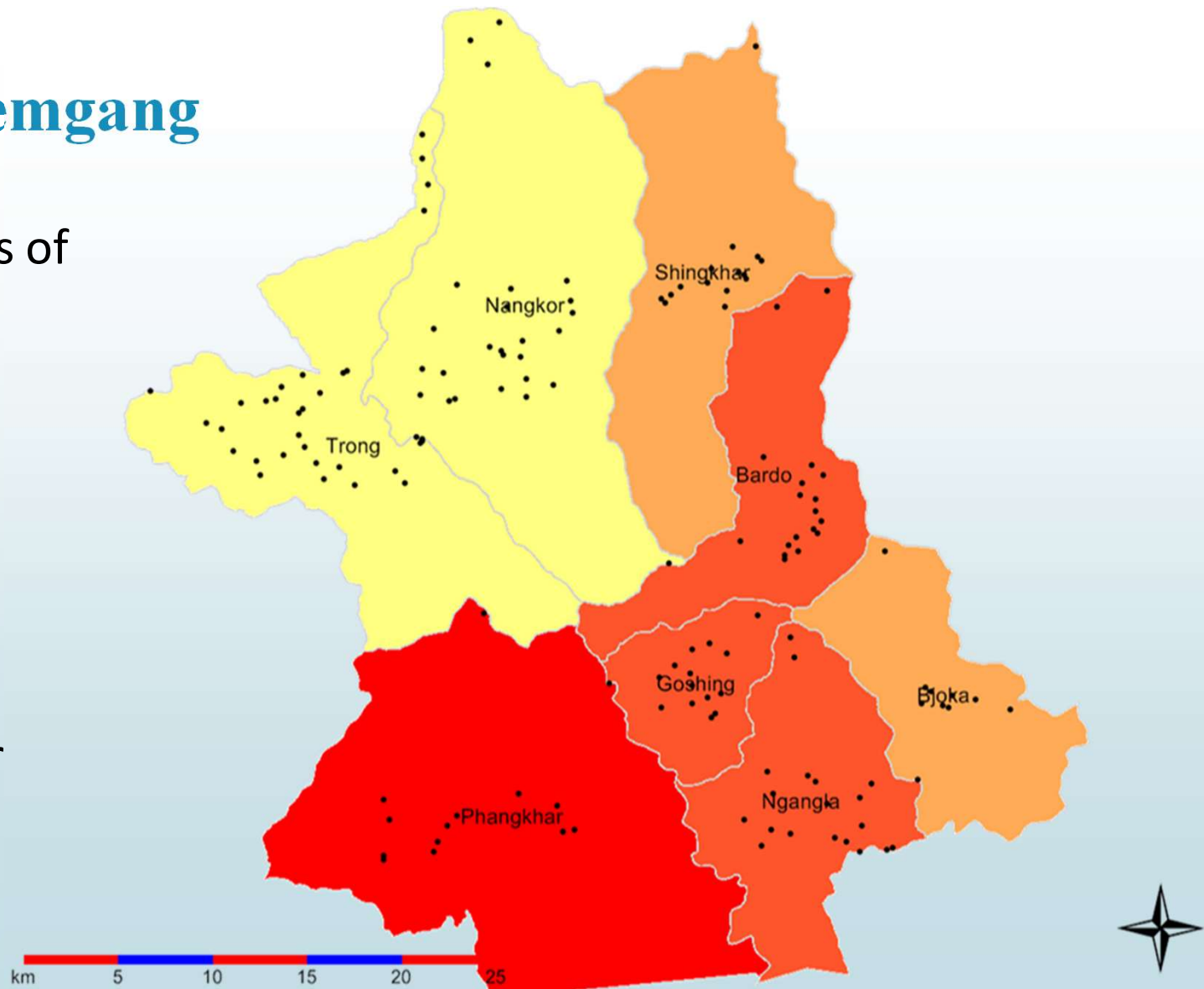
Shares boarder  
with Bumthang,  
Trongsa, Mongar,  
Sarpang and  
Pemagatshel  
Dzongkhags



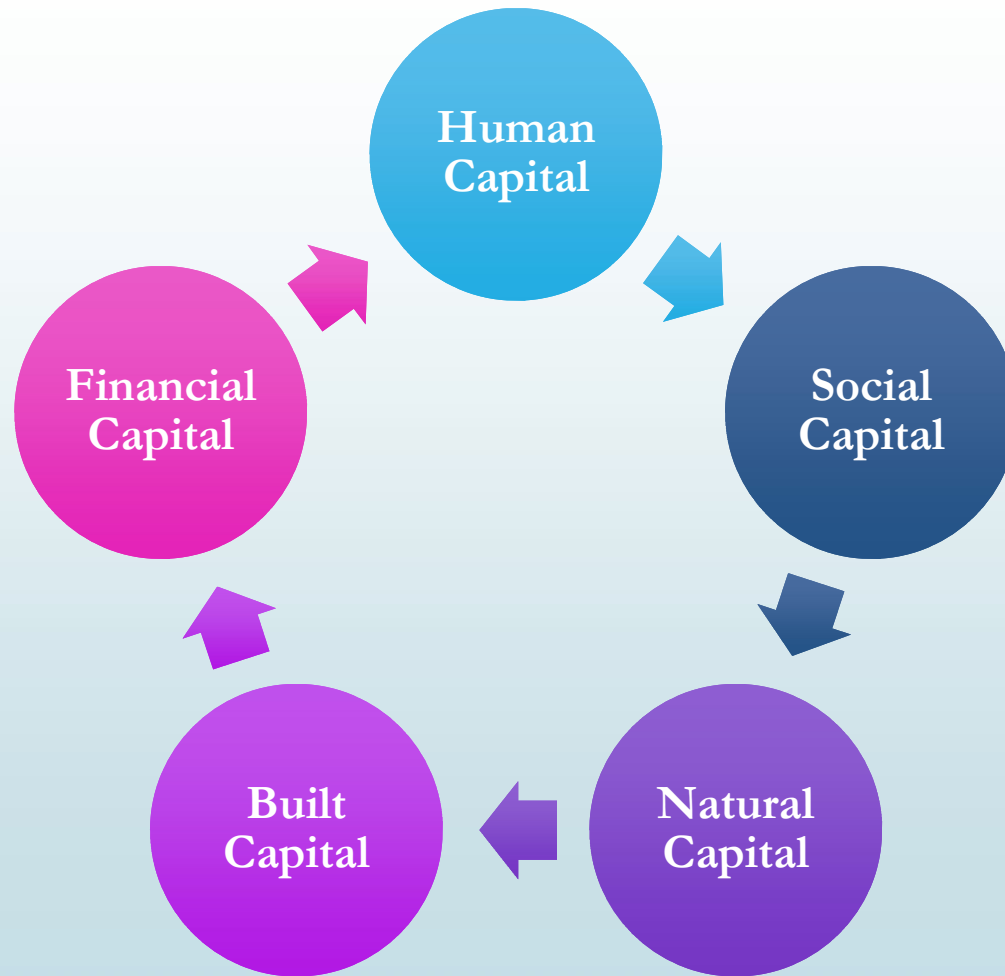
## Map of Zhemgang

Eight Gewogs of  
Zhemgang

- ❖ Bardo
- ❖ Bjoka
- ❖ Goshing
- ❖ Nangkor
- ❖ Nangla
- ❖ Phangkhar
- ❖ Shingkhar
- ❖ Trong



# Five Capitals

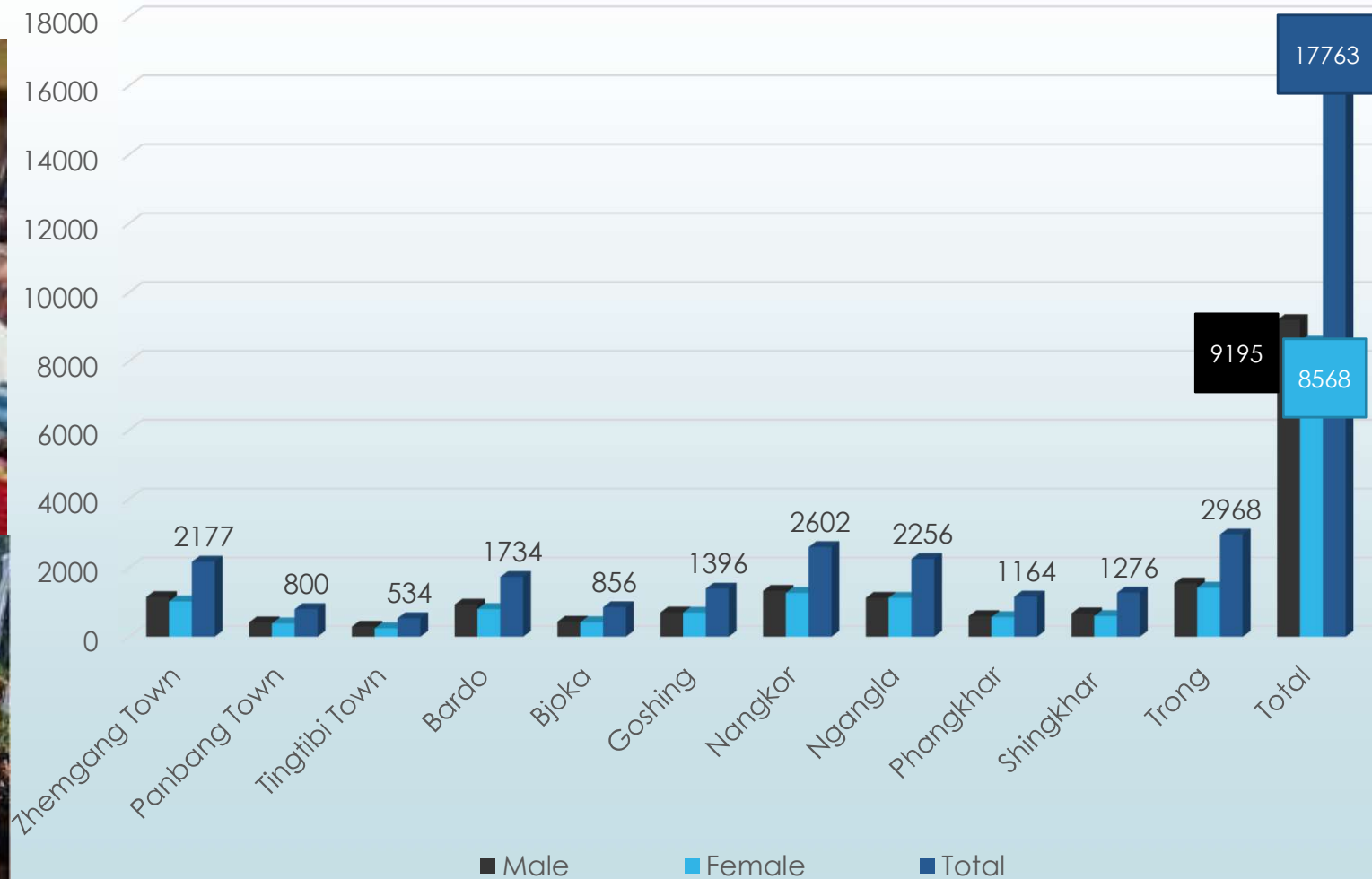




## 1. Human Capital

- Population of Dzongkhag-17,763 (PHCB 2017)
- No. of Regular Households-3803
- Number of Gewogs-8
- Number of Chiwogs-40
- Number of villages-153
- Staff Strength-808
- Gungtong-126
- Youth Dropouts-259

# Population of Zhemgang by Area

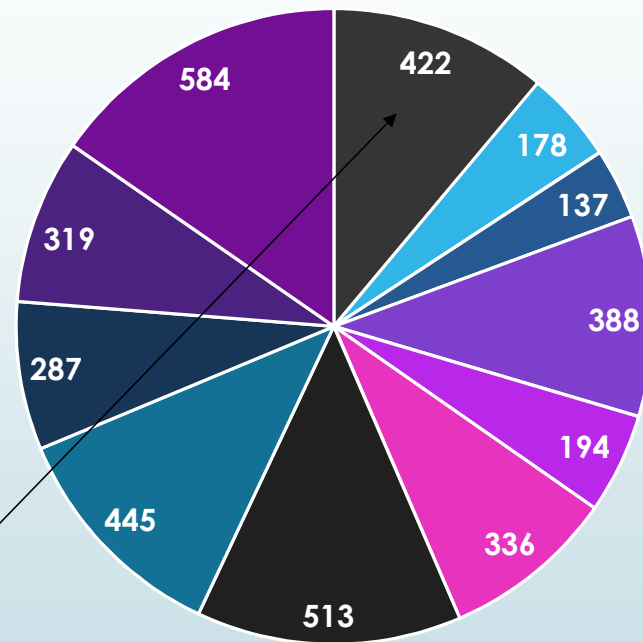




# Households by Area

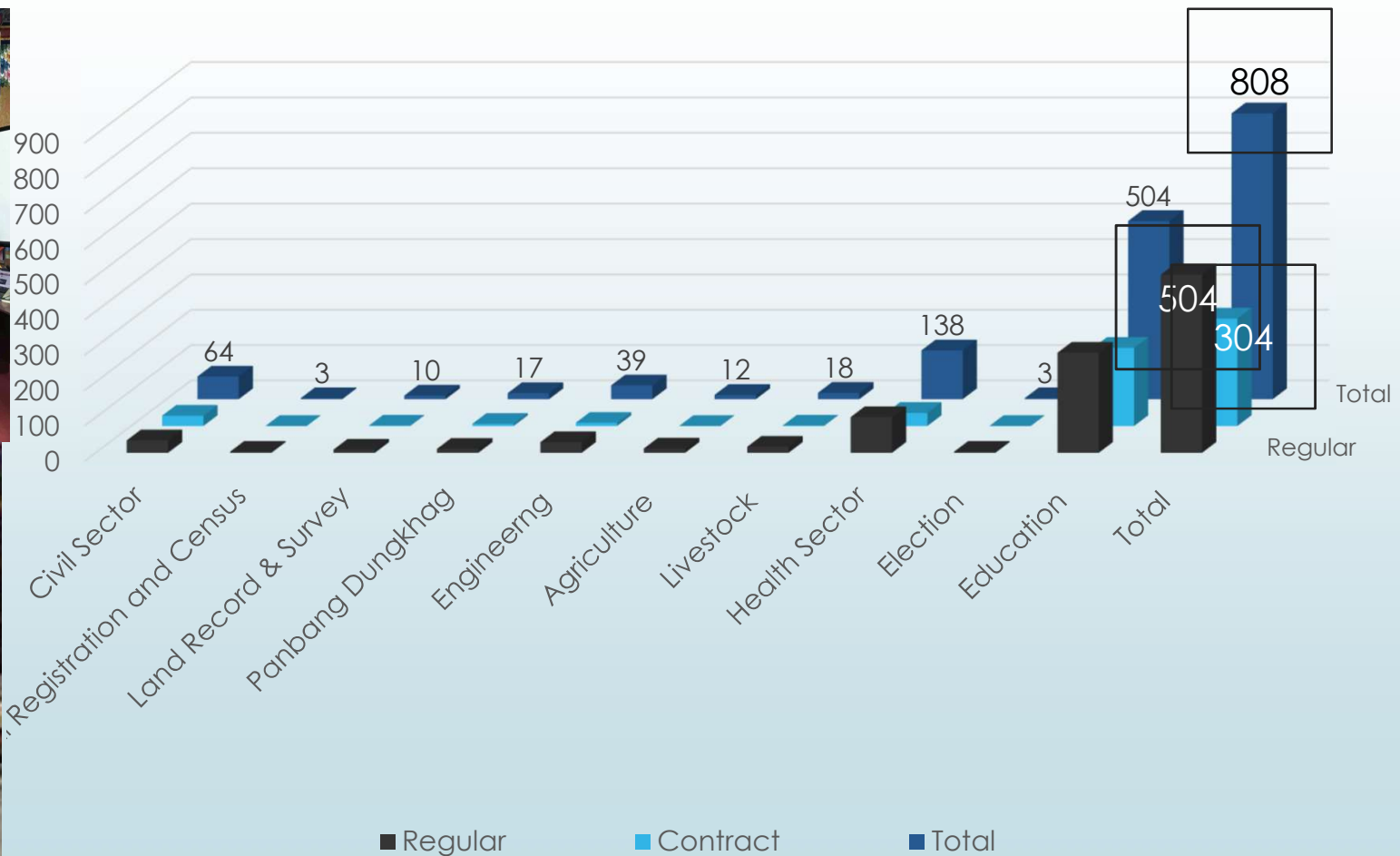
Total Regular Households-3803

Regular Households



- Zhemgang Town
- Panbang Town
- Tingtibi Town
- Bardo
- Bjoka
- Goshing
- Nangkor
- Ngangla
- Phangkhar
- Shingkhar
- Trong

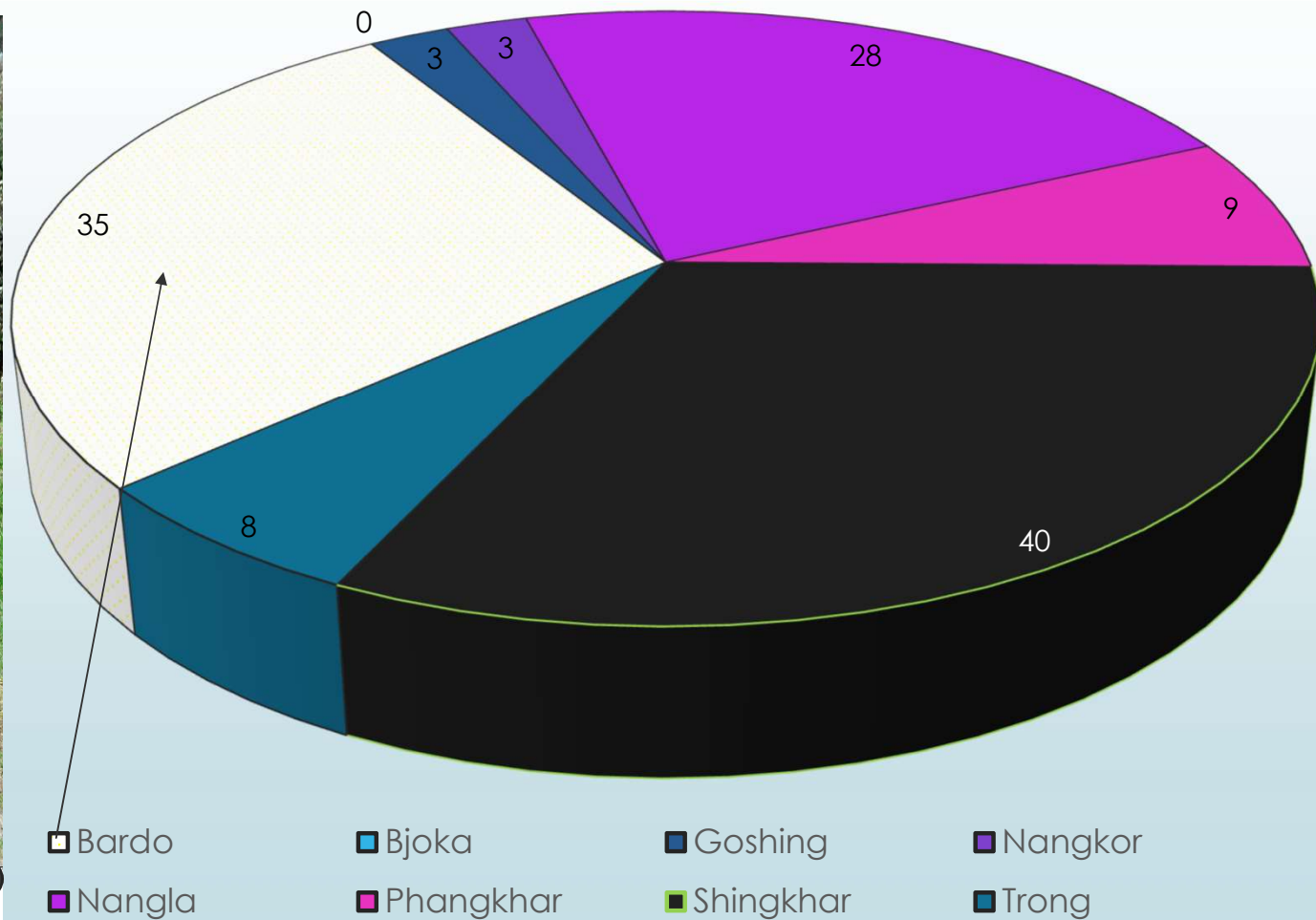
# Dzongkhag Staff Strength by Sectors



# Gungtong by Gewogs



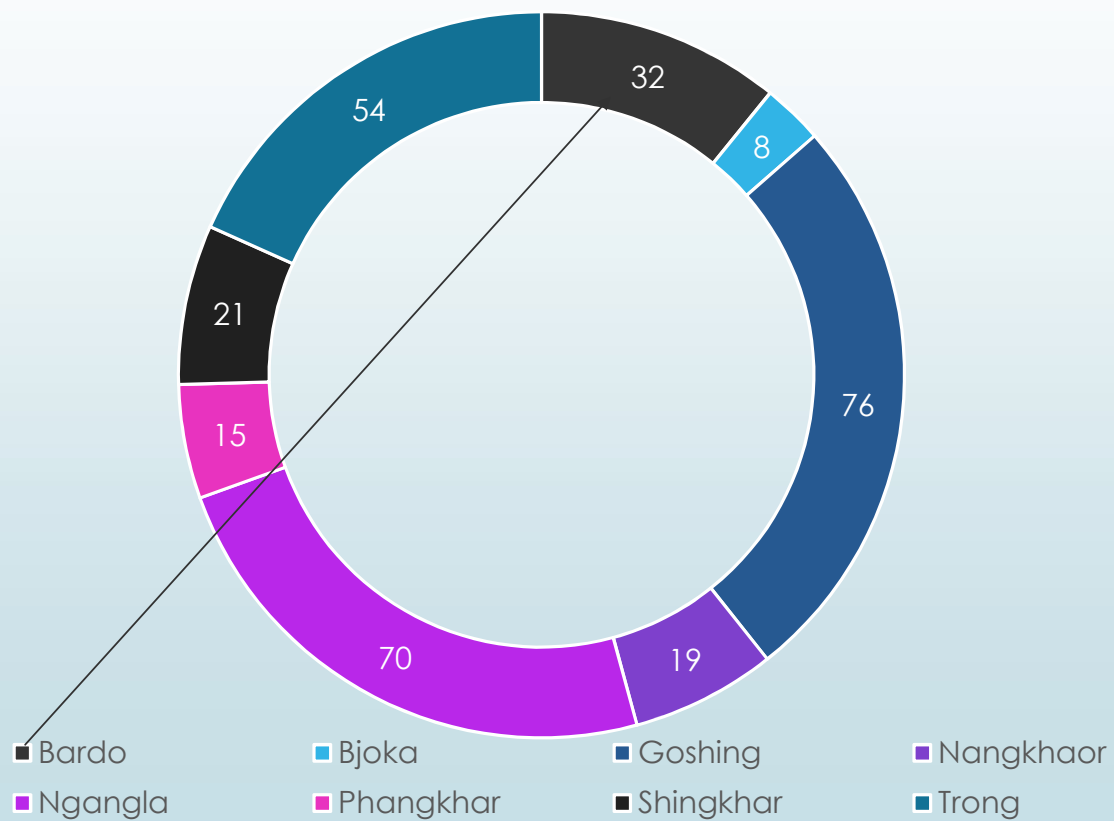
Total Gungtong-126



# Youth Dropouts by Gewog



Total Dropouts-259





## 2. Social Capital

- Dzongs-Dechen Yangtse Dzong-1
- Lhakhangs-90
- Chortens-305
- Religious Sites-6
- Tshachu-1 & Menchu-12
- Festivals-33
- Education Centers-28
- Health Facilities-54 (Including ORCs)
- Regional Offices-8 (Excluding FIs)



# Dzong

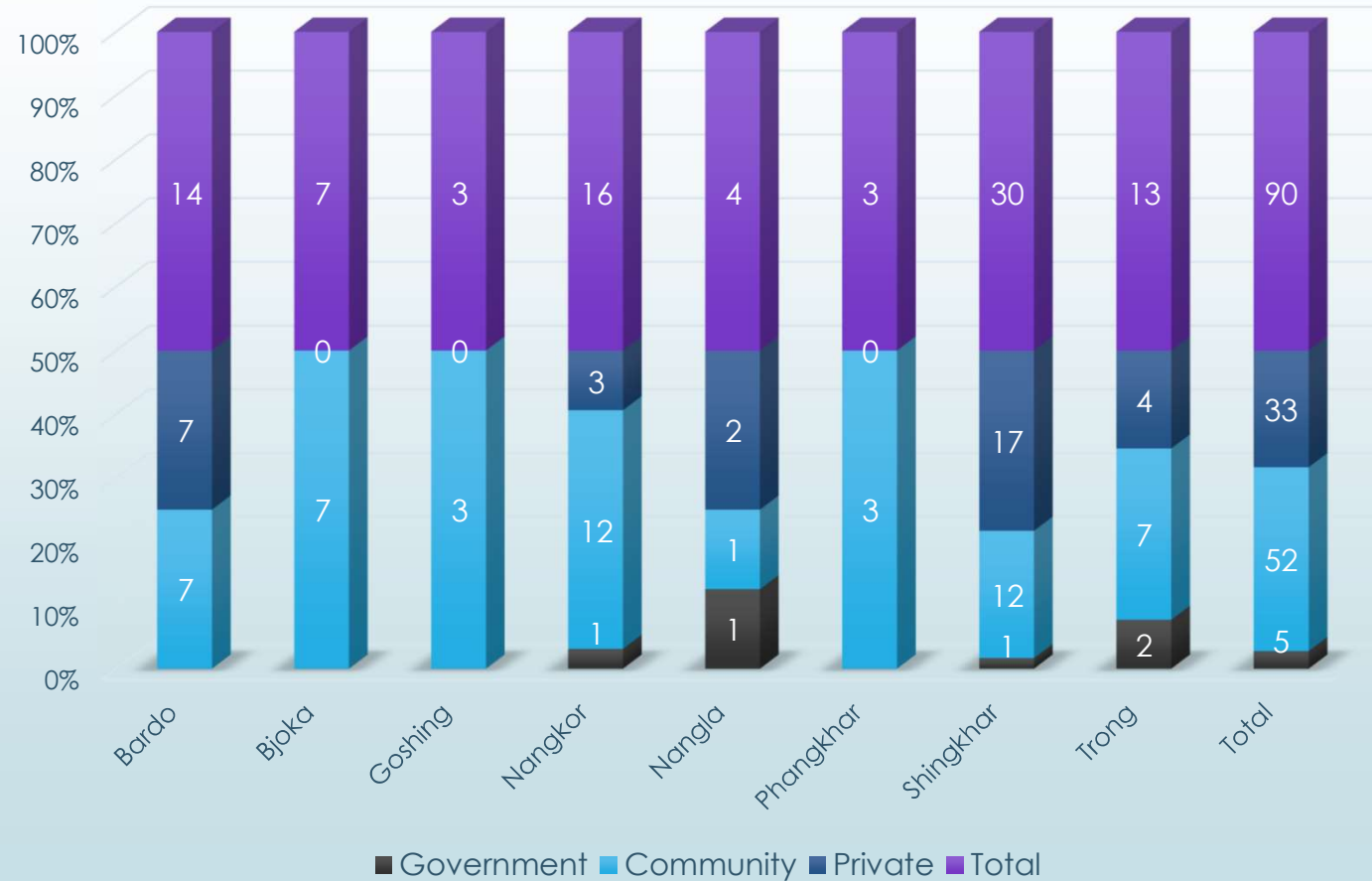


Dechen Yangtse Dzong

# Lhakhangs



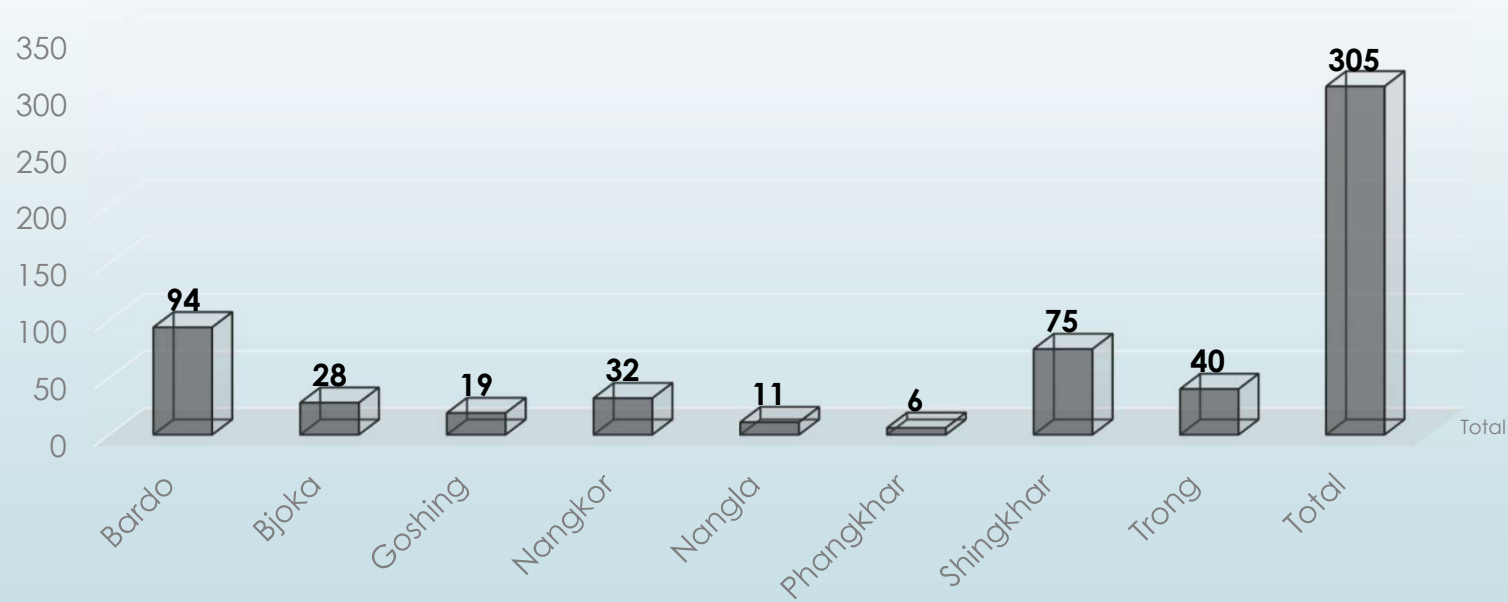
No. of Lhakhangs by Gewog



# Chortens



Number of Chortens by Gewog



## Religious sites (Nye)

| Gewog     | No. of Nye | Name of Nye        | Location  |
|-----------|------------|--------------------|-----------|
| Bardo     | 1          | Lo-nya Nye         | Khomshar  |
| Nangkor   | 4          | Andi Dungkar Nye   | Buli      |
|           |            | Ugyen Gongphu Nye  | Buli      |
|           |            | Khandroi Sangthab  | Buli      |
|           |            | Pedling Gartshang  | Buli      |
| Shingkhar | 1          | Kurje Nye          | Tholay    |
|           |            | BeYul Tingkhar Nye | Shingkhar |



## Tshachu & Menchu



| Gewog     | Tshachu             | Menchu              | Location  |
|-----------|---------------------|---------------------|-----------|
| Bardo     |                     | Lo-nya Menchu       | Khomshar  |
| Bjoka     |                     |                     |           |
| Goshing   |                     | Budashi Menchu      | Budashi   |
|           |                     | Tshala Menchu       | Lamtang   |
| Nangkor   | Duenmang<br>Tshachu | Bjang Tshachu       | Kikhar    |
|           |                     | Babdu & Lama Menchu | Buli      |
| Nangla    |                     | Dara Tsangchu       | Kaktong   |
| Phangkhar |                     | Badang Menchu       | Tashibi   |
|           |                     | Rindebi Menchu      | Pongchula |
| Shingkar  |                     | Dalibi Menchu       | Shingkar  |
|           |                     | Menchugang          | Wamling   |
|           |                     | Gangdepa Menchu     | Thrisa    |
| Trong     |                     | Dungbi Menchu       | Dungbi    |

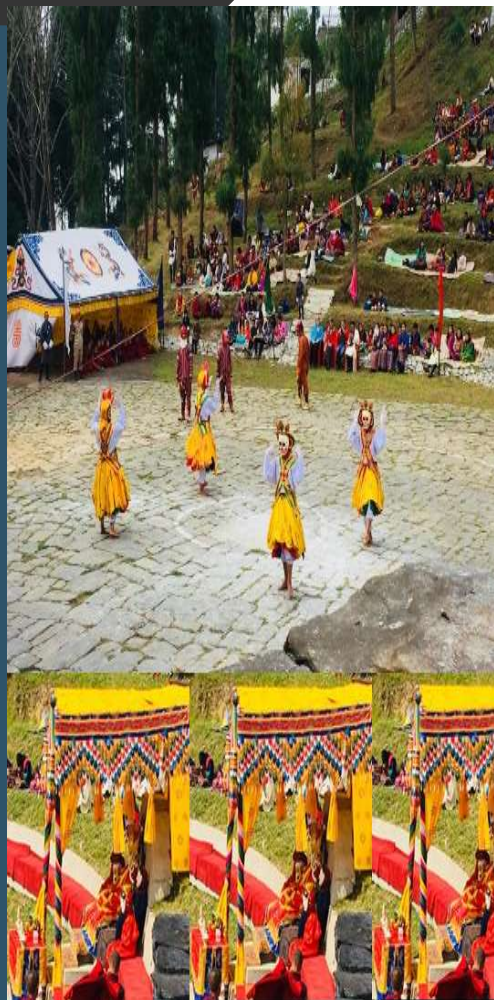


# Festivals



| Gewog | Festival           | Village     | Bhutanese Calendar |       |
|-------|--------------------|-------------|--------------------|-------|
|       |                    |             | Date               | Month |
| Bardo | Khomshar Tshechu   | Khomshar    | 15                 | 10    |
|       | Khomshar Kharphu   | Khomshar    | 15                 | 8     |
|       | Bardo Kharphu      | Bardo       | 15                 | 9     |
|       | Langdurbi Bonchoed | Langdurbi   | 15                 | 10    |
|       | Khomshar Katag     | Khomshar    | 29                 | 9     |
| Bjoka | Bjoka Tshechu      | Bjoka Trong | 14-17              | 10    |
|       | Dongdorla Duechoed | Bjoka Trong | 7-10               | 7     |
|       | Kharphu Lhasol     | Bjoka Trong | 3                  | 2     |
|       | Der-choed          | Bjoka Trong | 7-10               | 5     |
|       | A-hoi Bonchoed     | Bjoka Trong | 3                  | 7     |

## Festivals contd...



| Gewog   | Festival        | Village                                                    | Bhutanese Calendar |       |
|---------|-----------------|------------------------------------------------------------|--------------------|-------|
|         |                 |                                                            | Date               | Month |
| Goshing | Goshing Tshechu | Goshing Trong                                              | 13-15              | 10    |
|         | Lichibi Tshechu | Lichibi                                                    | 10                 | 1     |
|         | Dumati Tshechu  | Dumati, Lichibi                                            | 25                 | 3     |
| Nangkor | Bonchoed        | Buli/Tali/Kikhar                                           | 15                 | 10    |
|         | Prewchoed       | Buli/Tali                                                  | 10                 | 2     |
|         |                 | Goling/Zhobling/<br>Nyakhar/Tsheldang/<br>Kamjong/Duenmang | 13-15              | 12    |
|         | Ruup            |                                                            |                    |       |
|         | Buli Tshechu    | Buli                                                       | 13-15              | 10    |
|         | Ruup            | Kikhar/Dakphel                                             | 9                  | 12    |

## Festivals contd...



| Gewog     | Festival           | Village                 | Bhutanese Calendar |       |
|-----------|--------------------|-------------------------|--------------------|-------|
|           |                    |                         | Date               | Month |
| Nangla    | Nangla Tshechu     | Nangla Trong            | 15                 | 10    |
|           | Panbang Tshechu    | Sonamthang<br>Dratshang | 20-22              | 9     |
| Shingkhar | Phumithang Tshechu | Phumithang<br>Dratshang | 13-15              | 10    |
|           | Shingkhar Tshechu  | Shingkhar               | 13-15              | 10    |
|           | Wamling Tshechu    | Wamling                 | 13-15              | 10    |
|           | Thrisa Tshechu     | Thrisa                  | 13-15              | 10    |
|           |                    |                         |                    |       |
|           | Kharphu Bonchoed   | Shingkhar               | 15                 | 10    |

## Festivals contd...



| Gewog     | Festival          | Village        | Bhutanese Calendar |       |
|-----------|-------------------|----------------|--------------------|-------|
|           |                   |                | Date               | Month |
| Phangkhar | Pantang Tshechu   | Pantang        | 13                 | 2     |
|           | Mamung Tshechu    | Mamung Trong   | 15                 | 10    |
|           | Tashibi Tshechu   | Tashibi        | 15                 | 10    |
| Trong     | Dzongkhag Tshechu | Zhemgang       | 7-10               | 2     |
|           | Gongphu Tshechu   | Gongphu        | 13-15              | 10    |
|           | Bonchoed          | Trong/Dangkhar | 15                 | 10    |
|           | Bonchoed          | Trong/Dangkhar | 14                 | 4     |



# Education Centers



| Indicators                                | Current Status |
|-------------------------------------------|----------------|
| Net enrollment rate                       | 99.9           |
| Number of ECCD Centre                     | 11             |
| Number of Extended Classroom              | 10             |
| Number of Primary Schools                 | 12             |
| Number of Lower Secondary Schools         | 2              |
| Number of Middle Secondary Schools        | 0              |
| Number of Higher Secondary Schools        | 0              |
| Number of Central Schools                 | 4              |
| Number non-formal Education (NFE) Centers | 21             |
| Number of NFE Learners                    | 368            |
| Number of NFE instructors                 | 19             |
| Number of teachers                        | 302            |
| Number of students                        | 4572           |

# Health Facilities



| Health Facilities                                     | Current Status |
|-------------------------------------------------------|----------------|
| Number of Hospital(s)                                 | 1              |
| Number of Basic Health Units                          | 14             |
| a. Grade I                                            | 2              |
| b. Grade II                                           | 12             |
| Number of sub-post                                    | 3              |
| Number of Out Reach Clinics                           | 36             |
| Number of Doctors                                     | 5              |
| Number of Drungtsho                                   | 2              |
| Number of Sowai Menpas                                | 3              |
| Number of nurses                                      | 28             |
| Number of Health Assistants                           | 32             |
| Number of households with clean drinking water supply | 3468           |
| Number of Rural Water Supply Schemes                  | 263            |
| Number of households with toilets/latrines            | 3476           |

## Regional Offices



### Regional Offices

Rural Development Training Center

Rural Livestock Development Center

Divisional Forest Office

Bhutan Telecom

Tashi Cell

Bhutan Oil Distributor

Bhutan Power Corporation

Department of Road



### 3. Built (Infrastructure) Capital

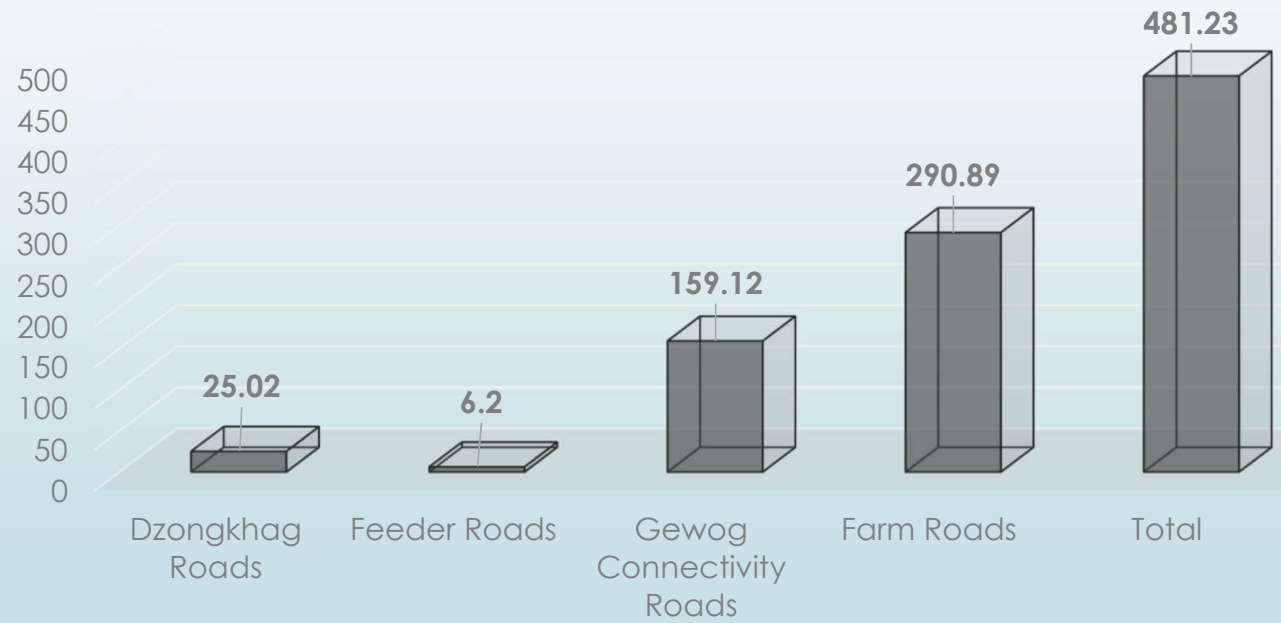
- Roads-481.23 KMs
- Bridges (Suspension & suspended)-25
- Bridges (Motorable)-13
- RNR Center-8
- Electric fencing-120.7 KMs
- Irrigation channel-161.02 KMs
- Electricity coverage-100%



# Roads



Length (KMs)



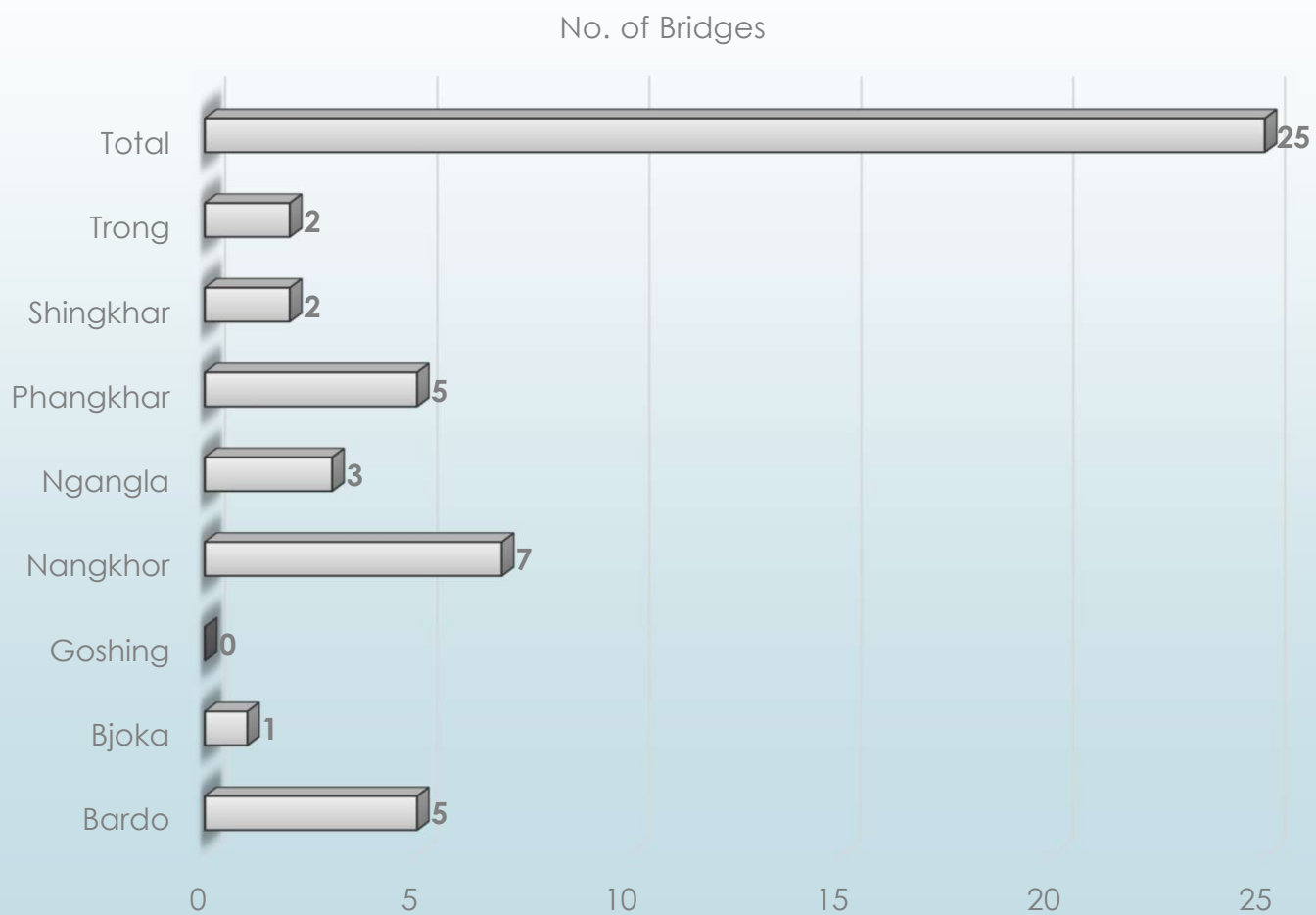
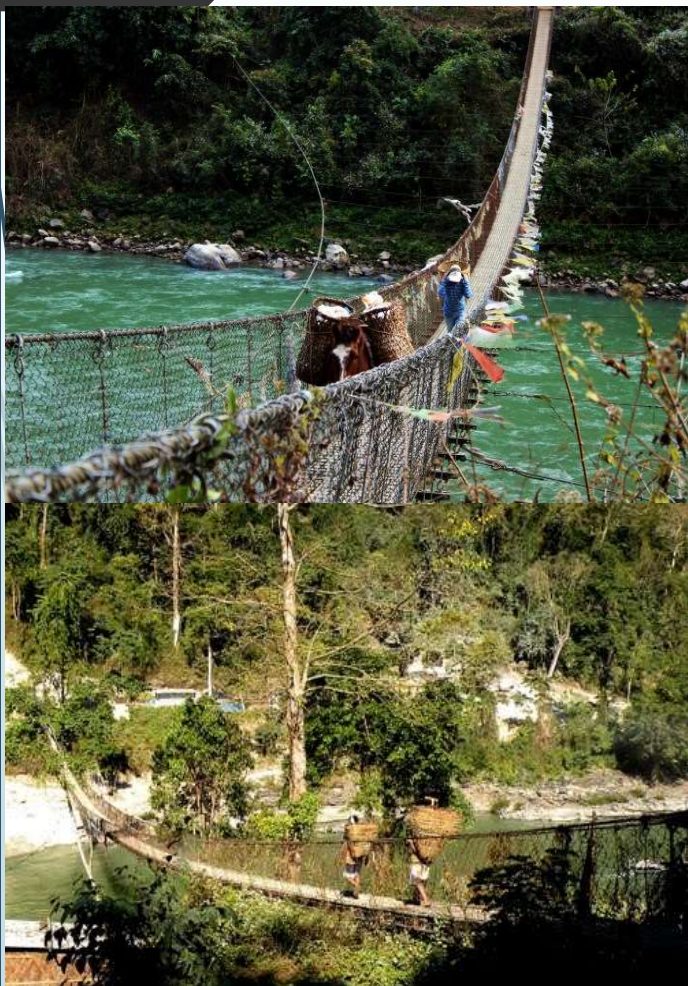
# Motorable Bridges



| Gewog     | Name of bridge              |
|-----------|-----------------------------|
| Bardo     | Mangde Zam (Rindebi-Digala) |
| Goshing   | Morang Zam                  |
|           | Gramlang Zam                |
|           | Darang Zam                  |
| Nangla    | Girang Zam                  |
|           | Panbang Zam                 |
|           | Marangdut Zam               |
|           | Chakchawa Zam               |
| Phangkhar | Rendibi Zam                 |
|           | Sangsiri                    |
| Shingkhar | Therang Zam                 |
| Trong     | Wangdigang Zam              |
|           | Tingtibi Zam                |



## Bridges-Kang Zam



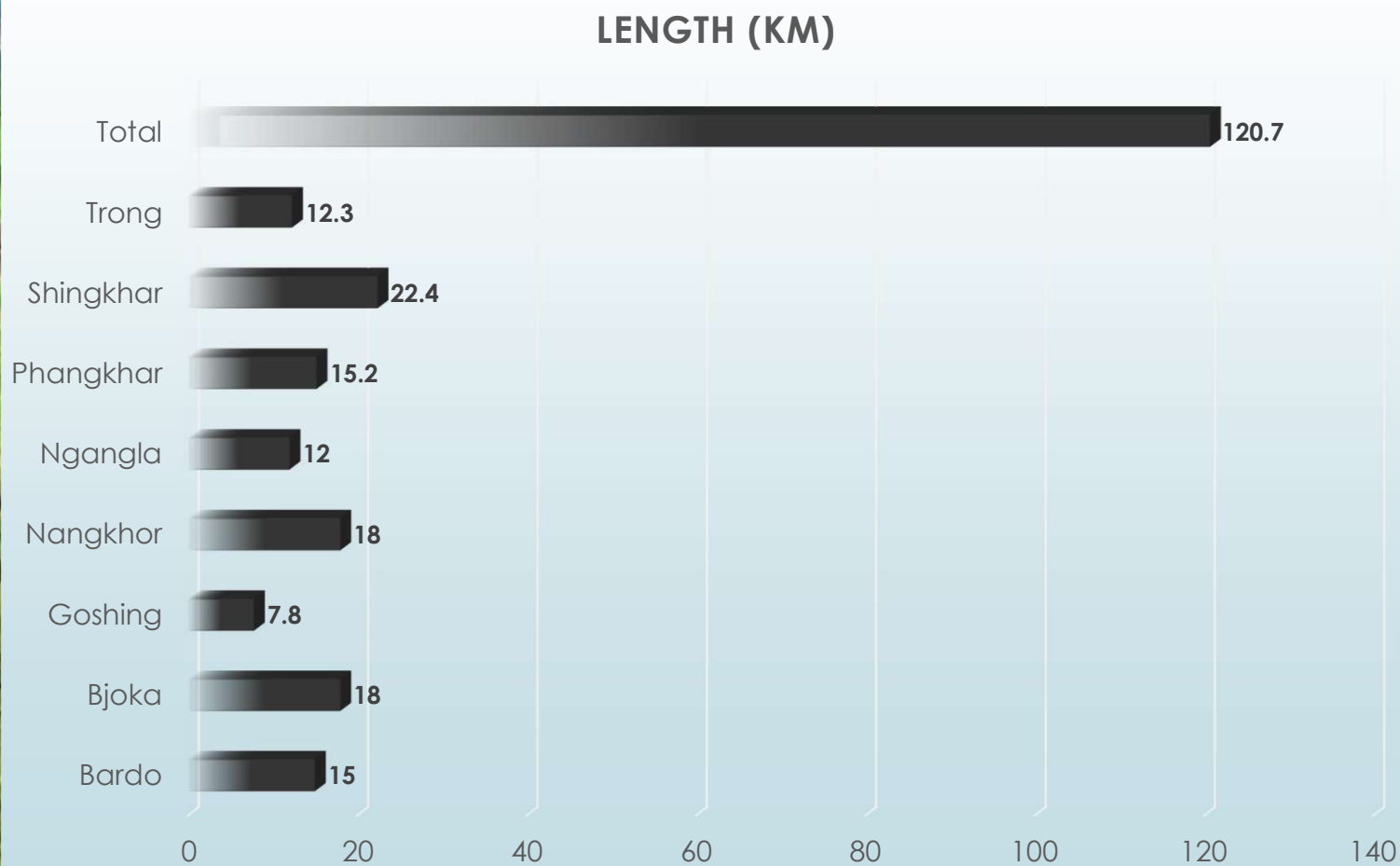
## RNR Center



| Gewog     | Location      | Year of Construction |
|-----------|---------------|----------------------|
| Bardo     | Khomshar      | 2015                 |
| Bjoka     | Bjoka Trong   | 2017                 |
| Goshing   | Goshing Trong | 2017                 |
| Nangkor   | Buli          | 9FYP                 |
| Nangla    | Panbang       | 9FYP                 |
| Phangkhar | Pantang       | 10FYP                |
| Shingkhar | Shingkhar     | 2017                 |
| Trong     | Tingtibi      | 9FYP                 |



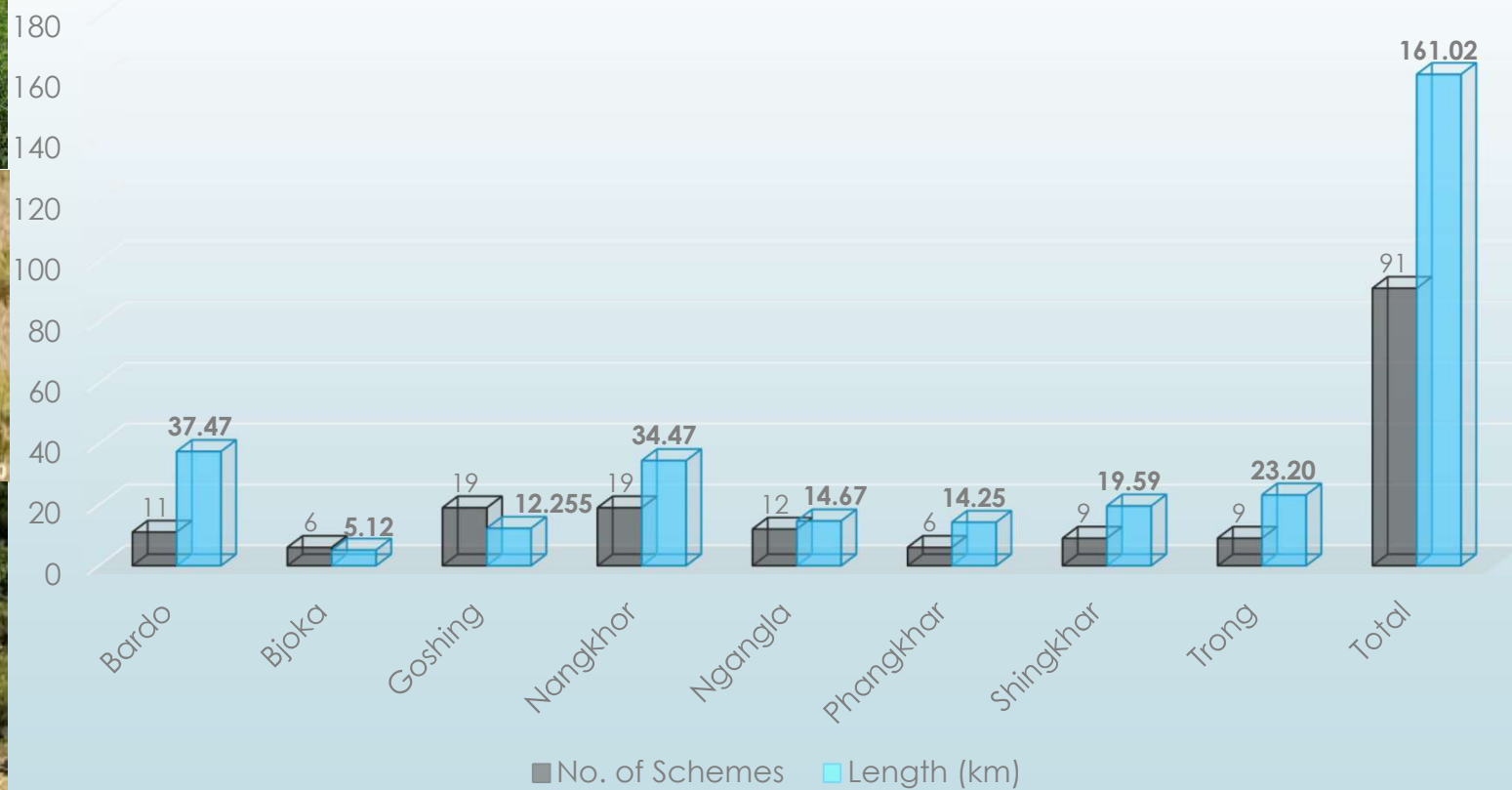
# Electric Fencing



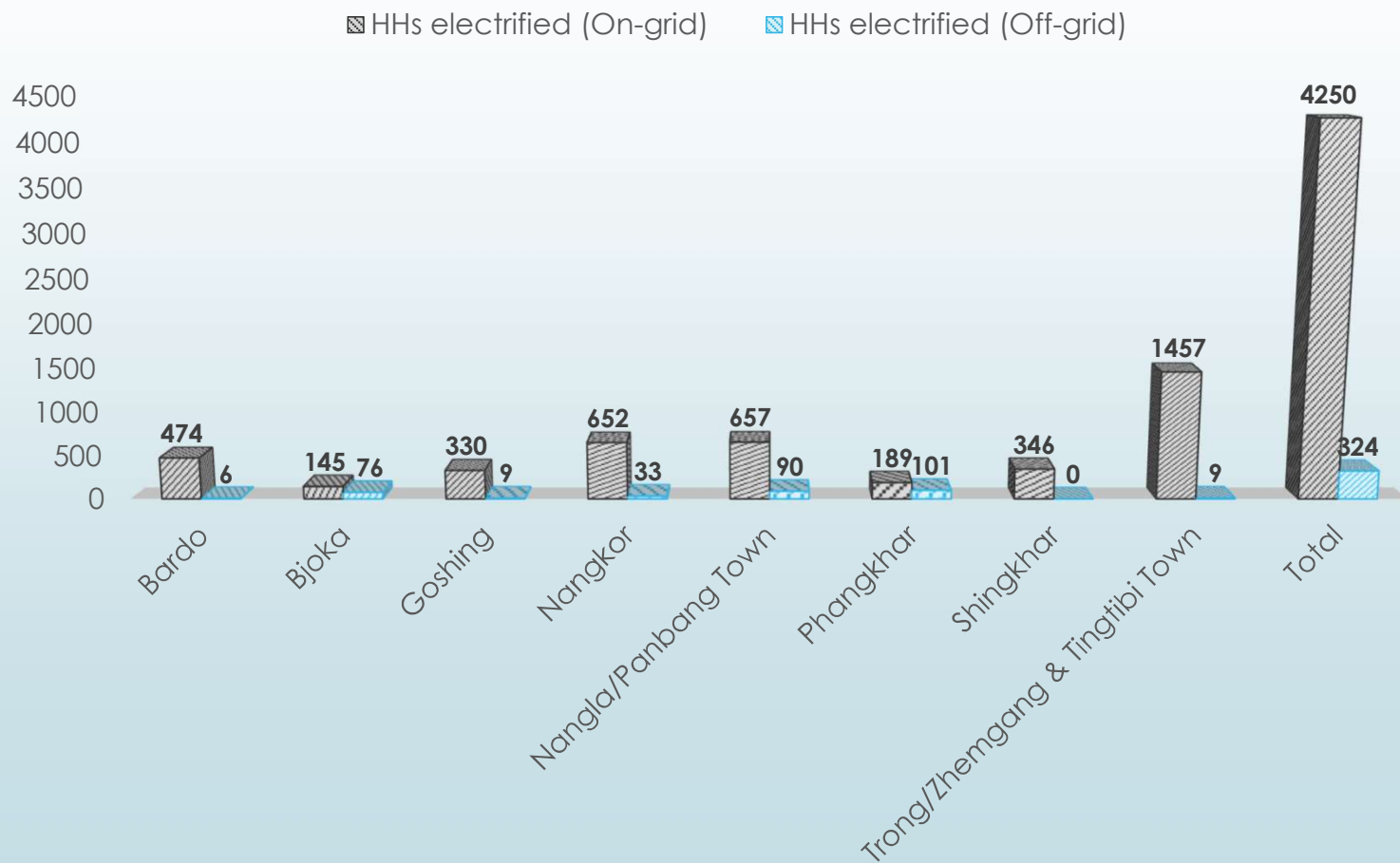
# Irrigation Channel



Irrigation Schemes



# Electricity Coverage



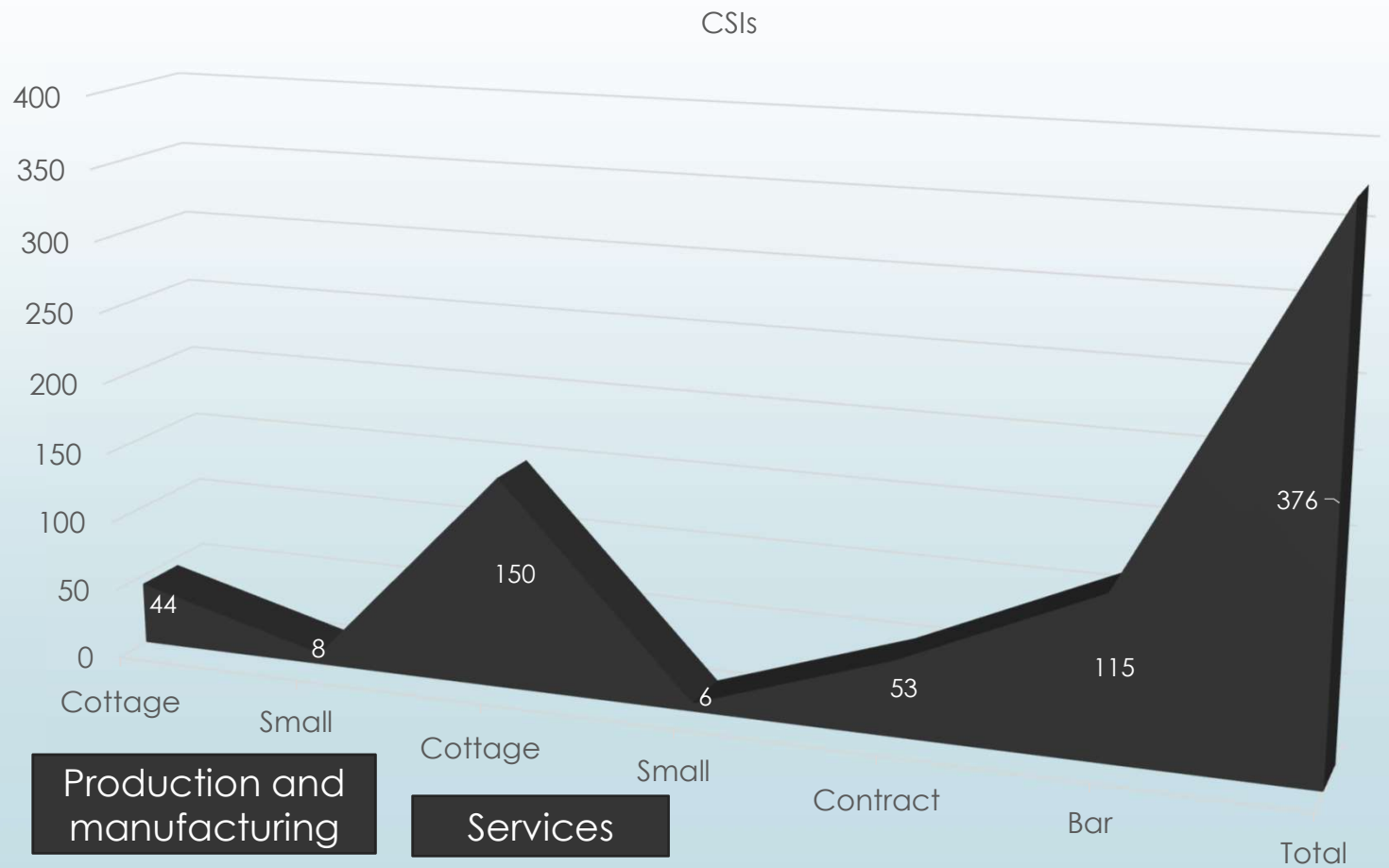


## 4. Financial Capital

- Cottage and Small Industries-376
- Eco-camps and lodges-5
- Financial Institutions-8
- Farmer's groups and cooperatives-14



# Small and Cottage Industries



## Eco-camps and Lodges



| Gewog     | Location               | Ownership                                         |
|-----------|------------------------|---------------------------------------------------|
| Nangla    | Marangduet Jungle camp | River Guides of Panbang (RGoP)                    |
|           | Anala eco-lodge        | Nangla Community                                  |
| Phangkhar | Pantang eco-lodge      | Pantang Community                                 |
| Trong     | Gongphu eco-lodge      | Gongphu Community                                 |
|           | Berti eco-camp         | CBT Committee is yet to handover to the community |

## Financial Institutions

| Name of Bank    | Yr. of Establishment                                   | ATM and Location   | No. of Bank Agents | No. of Saving Accounts | No. of Loan Accounts |
|-----------------|--------------------------------------------------------|--------------------|--------------------|------------------------|----------------------|
| BoB, Zhemgang   | 9-Mar-84                                               | Zhemgang Town-2013 | 4                  | 3563                   | 437                  |
| BoB, Panbang    | 16-Apr-16                                              | Panbang Town-2016  | 2                  | 300                    | 59                   |
| BNB, Tingtibi   | 2012                                                   | Tingtibi Town-2012 | ---                | 500                    | ---                  |
| BDBL, Zhemgang  | 1981-87 under RMA<br>1988 as BDFC<br>31-3-2010 as BDBL | Zhemgang Town-2017 | Ext. at Buli       | 3683                   | 1213                 |
| BDBL, Panbang   | Sept. 2009                                             | Panbang Town-2017  | ---                | 2656                   | 887                  |
| RICBL, Zhemgang | 2009                                                   | ---                | ---                | ---                    | 29                   |
| RICBL, Panbang  | 2016                                                   | ---                | ---                | ---                    | 1                    |
| BIL, Zhemgang   | 9-Apr-15                                               | ---                | ---                | ---                    | 3                    |

འབྲུག་གི་དངུལ་ཁང་།



BANK OF BHUTAN



## Farmer's Groups (Livestock)



| Gewog   | Name of the Farmers Groups             | No. of Members | Nature of the Activities                         | Chairman                  | Remarks            |
|---------|----------------------------------------|----------------|--------------------------------------------------|---------------------------|--------------------|
| Trong   | Trong-Dangkhar<br>Gonor Detshen        | 27             | Production and<br>Marketing of<br>Dairy Products | Lham<br>Dorji<br>17696312 | Reg. No.<br>FG/49  |
| Goshing | Lamtang Norbu<br>Samphel Om<br>Detshen | 30             | Butter &<br>Cheese                               | Wangda,<br>17665521       | Reg. No.<br>FG/374 |
| Trong   | Integrated<br>Livestock<br>Farming     | 1              | Poultry,<br>Piggery,<br>Fishery                  | Pema<br>Choden            | Reg. No.<br>NA     |
|         | <b>Total</b>                           | <b>58</b>      |                                                  |                           |                    |



## Farmer's Cooperatives (Livestock)



| Gewog     | Name of the Cooperatives                                   | No. of Members | Nature of the Activities                          | Chairman          | Remarks             |
|-----------|------------------------------------------------------------|----------------|---------------------------------------------------|-------------------|---------------------|
| Ngangla   | Panbang Magdrep<br>Gonor Om Tshongdrel<br>Nyamlay Tshogdey | 21             | Group<br>Marketing of<br>Dairy Milk               | Ugyen Dorji       | Reg. No.<br>Coop/40 |
| Phangkhar | Pongchula Mar Phrum<br>Cooperatives                        | 34             | Production and<br>marketing of<br>dairy products  | Karma Pemo        | Reg. No.<br>Coop/46 |
| Tama      | Tag Goen Gonor<br>Chithuen Namlay<br>Tshogdey              | 21             | Production and<br>marketing of<br>dairy products  | Dorji<br>Wangchuk | Reg. No.<br>Coop/42 |
| Nangkhor  | Buli Namsey Gonor<br>Namley Tshogdey                       | 24             | 1. Fresh milk<br>2.Butter<br>3.Cheese<br>4.Yogurt | Yeshi<br>Lhamo    | Reg. No.<br>Coop/41 |
|           | <b>Total</b>                                               | <b>100</b>     |                                                   |                   |                     |

## Farmer's Cooperatives (Agriculture)



| Gewog | Name of the Cooperatives                        | No. of Members | Nature of the Activities                    | Chairman                         | Remarks             |
|-------|-------------------------------------------------|----------------|---------------------------------------------|----------------------------------|---------------------|
| Bjoka | Bjoka Tsharzo<br>Gongphel Nyamley<br>Tshogdey   | 126            | marketing of cane<br>and bamboo<br>products | Rinchen<br>Wangchuk,<br>17150568 | Reg. No.<br>Coop/14 |
| Trong | Zurphel Tshesey<br>Gongphel Nyamley<br>Tshogdey | 20             | Vegetable<br>production and<br>marketing    | Jamyang<br>17858376              | Reg. No.<br>Coop/22 |
| Trong | Soobdrang Elenchi<br>Nyamley Tshogdey           | 15             | Production and<br>marketing of<br>cardamom  | Kinzang<br>Wangmo<br>77662258    | Reg. No.<br>Coop/24 |
| Trong | Gongphu Payten<br>Tshesey Nyamley<br>Tshogdey   | 15             | Vegetable<br>production and<br>marketing    | Ugyen<br>Dema<br>17746072        | Reg. No.<br>Coop/25 |

## Farmer's Cooperatives (Agriculture)



| Gewog    | Name of the Cooperatives             | No. of Members | Nature of the Activities                                              | Chairman                                | Remarks            |
|----------|--------------------------------------|----------------|-----------------------------------------------------------------------|-----------------------------------------|--------------------|
| Trong    | Tama Cardamom<br>Nyamley<br>Tshogdey | 20             | Production and marketing of cardamom                                  | Tshering Lhaden<br>17733314             | Reg. No. Coop/26   |
| Nangkhor | Buli Sonam<br>Nyamsung<br>Detshen    | 28             | Production and Marketing of Green Tea and Vegetables                  | Phuntsho Dendup<br>17740438             | Not Yet registered |
| Trong    | Khengrig<br>Namsum<br>Cooperatives   | 16             | Processing, manufacturing and value addition of agriculture products. | Thinley Wangdi<br>17630556/<br>17630566 | Reg. No. Coop/36   |
|          | <b>Total</b>                         | <b>240</b>     |                                                                       |                                         |                    |

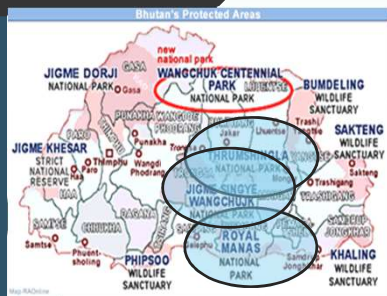


## 5. Natural Capital

- Total area-2421.74 sq. Km
- Forest cover-94.17 (LCMP 2016)
- Protected areas-3
- Rare and Endangered Species found in the Protected Areas
- Mountains, rivers and streams



# Protected Areas



| Gewog                                                     | Parks                                | Infrastructure and facilities                                  | Faunal and Floral Diversity                                                                     |
|-----------------------------------------------------------|--------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Phangkhar & Trong                                         | Royal Manas National Park            | Head Office in Gelephu.<br>Range Office in Gongphu & Manas     | 66 mammal species, 426 bird species, 181 butterfly species, 60 fish species & 558 plant species |
| Trong                                                     | Jigme Singye Wangchuck National Park | Head office in Tshangkha. Range Office in Tingtibi             | 39 mammal species, 270 bird species, 139 butterfly species & 440 plant species                  |
| Nangkor & Shingkhar                                       | Phrumsengla National Park            | Head Office in Ura.<br>No Range Office in Zhemgang             | 71 mammal species, 751 plant species & 361 bird species                                         |
| Trong, Nangkor, Bardo, Shingkhar, Goshing, Ngangla, Bjoka | Zhemgang Forest Division             | Head office in Zhemgang; Range: Zhemgang, Khomshar and Panbang | under inventory                                                                                 |

## Rare and Endangered Species

| Mammals                                     | Birds                                          | Plants                   | Fish                                             |
|---------------------------------------------|------------------------------------------------|--------------------------|--------------------------------------------------|
| Black Panther (Panthera Pardus)             | Rufouse-necked Hornbill (Aceros Nipalensis)    | Dalbergia Oleveri        | Golden Mahseer (Tor Putitora)                    |
| Common Leopard (Panthera Pardus)            | Wreathed Hornbil (Aceros Undulatus)            | Aquilaria Malaccensis    | Mahseer (Tor tor)                                |
| Sambar Deer (Rusa Unicolor)                 | Malayan Night Heron (Gorsachius Melannolophus) | Taxus Baccata            | Chocolate Mahseer (Neolissochilus Hexagonolepis) |
| Royal Bangal Tiger (Panthera Tigris Tigris) | Black-necked Monarch (Hypothymis Azurea)       | Podocarpus Neriifolia    |                                                  |
| Golden Langur (Trachyptheus Geei)           | Boreal Owl (Aegolius Fenereus)                 | Rhododendron Lanatum     |                                                  |
| Asiatic Golden Cat (Catopuma Temminckii)    | Black Baza (Aviceda Leuphotes)                 | Rhododendron Aeruginosum |                                                  |
| Himalayan Serow (Capricornis Thar)          | White Bellied Heron                            | Rhododendron Dalhousiae  |                                                  |
| Wild Dog                                    | Crested Serpent Eagle (Spilornis Cheela)       | Calenthe Plantaginea     |                                                  |



# Mountains, rivers and streams



| Gewog     | Mountains & Passes | Rivers                    | Streams                                        |
|-----------|--------------------|---------------------------|------------------------------------------------|
| Bardo     |                    | Chamkharchhu              |                                                |
| Bjoka     |                    |                           | Derangchhu                                     |
| Goshing   |                    | Mangdechhu                | Mewangangchhu<br>Kikhar                        |
| Nangkor   | Talila             |                           | Bumdegangchhu<br>Buli Burgangchhu              |
| Nangla    |                    | Drangmechhu<br>Mangdechhu | Marangangchhu                                  |
| Phangkhar |                    | Mangdechhu                | Rindegangchhu<br>Wedrangchhu<br>Kharigangchhu  |
| Shingkhar | Malaya             | Chamkharchhu              | Kharlungchhu<br>Punsumgangchhu                 |
| Trong     | Tamala             | Mangdechhu                | Wangdigangchhu<br>Takabichhu<br>Chandigangchhu |

- 
- Challenges
  - Opportunities
  - Comparative Advantages
  - Strategies & way forward



## Last Mile Challenges



"We have two options...boldly tackle the challenges ahead, or hold off and hope an asteroid strikes."

- Scattered nature of settlement
- Tourism is at a nascent stage
- Rural-Urban migration
- Youth unemployment
- Unsustainable harvest of forestry resources
- Poverty is still a concern
- lack of adequate professional human resource
- Less arable land

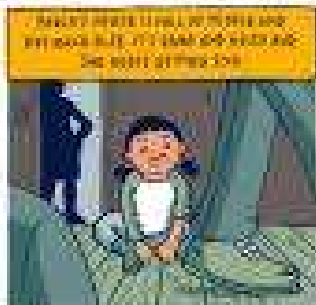
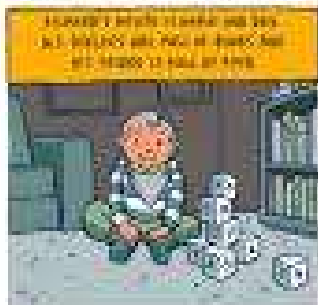
# Opportunities



"People, what a fantastic opportunity for a reset!"

- Endowed with huge natural resources
- Rich bio-diversity
- Potential for establishment of hydropower
- Potential for eco-tourism & nature based tourism
- Diversify cane and bamboo products

# Comparative Advantage



- Tourism development opportunities
  - Bird watching, rafting, fishing, handicraft (skilled artisans-bamboo)
- Proximity to India via Pangbang
- Panbang-Nganglam connectivity
- Trong Heritage Village
- Buli Heritage Village
- Duenmang Tshachu
- Buli Tsho

## Strategies & way forward

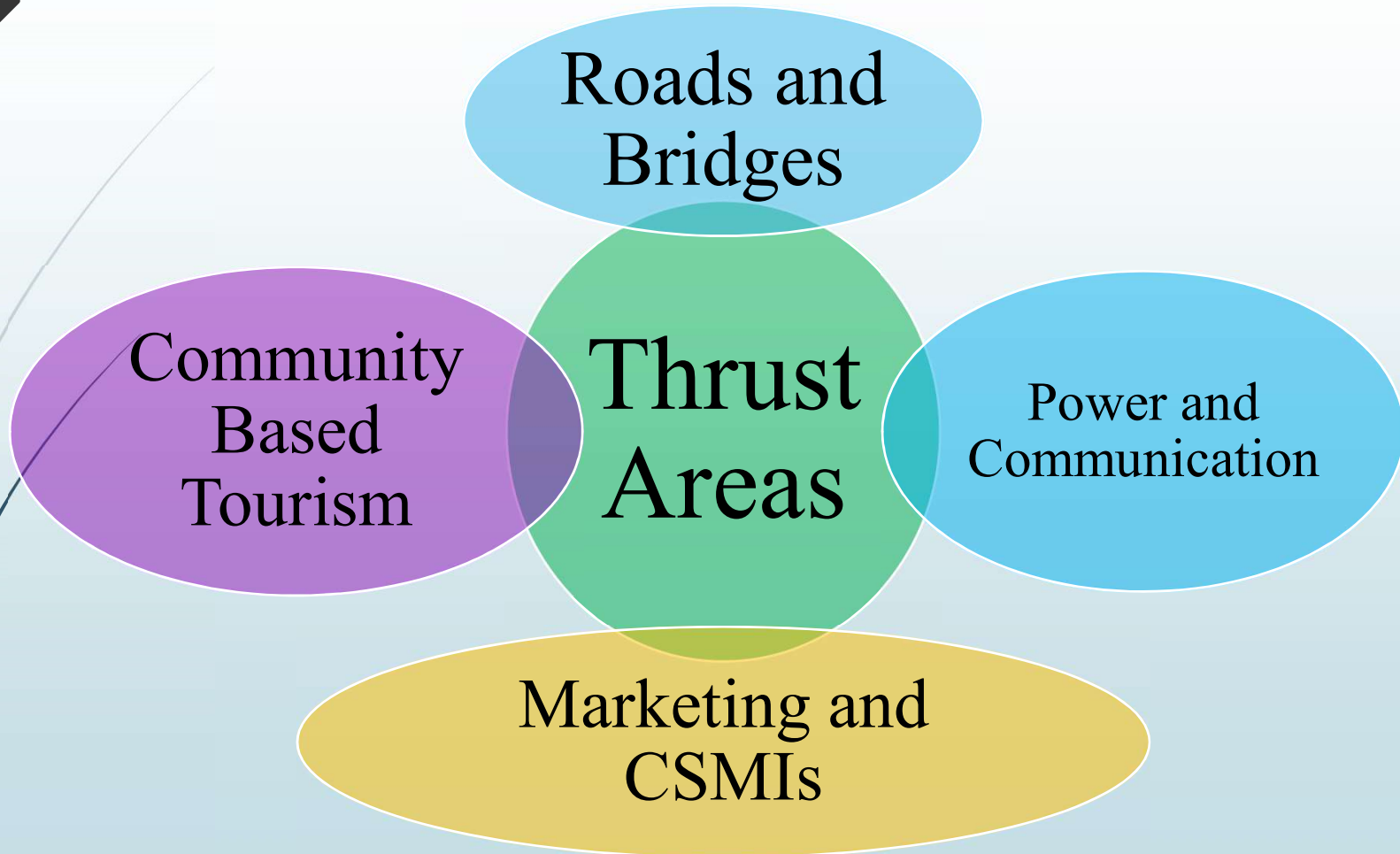


"The way forward is clear."

- Initiate pro-poor schemes and poverty reduction programs
- Develop, promote and regulate tourism products and services
- Develop and improve critical infrastructures
- Provide effective and efficient public services
- Promote, start and strengthen entrepreneurship and enterprises
- Strengthen HR capacity
- Increase contracting and outsourcing of works and services



# Four Thrust Areas in the 12FYP





THANK YOU!