

# STATISTICAL DATA REPORT

## Introduction

1. Forest extent, characteristics and changes
2. Forest growing stock, biomass and carbon
3. Forest designation, management and ownerships
4. Forest disturbances
5. Emissions and Removals from Forests
6. Timber and Fuelwood supply
7. Forestry Students and Employees

## 1. Forest extent, characteristics and changes

### 1a. Extent of forest and other wooded land

Categories	Forest Cover Area (ha)	
	2016	2020
Forest (a)	277441	278695
Non-forest land (b=c-a)	34441559	34440305

Categories	Forest Cover Area (ha)	
	2016	2020
Total Land area (c)	34719000	34719000

## Data Sources

Year	References	
	Methods Used	
	Additional comments	

## 1b. Annual forest expansion, deforestation and net change

Categories	Forest Cover Area (ha)
	2016 - 2020
Forest Expansion (a)	N.A
...Afforestation	N.A
...Natural regeneration	N.A

Categories	Forest Cover Area (ha)
	2016 - 2020
Deforestation (b)	N.A
Forest area net change (a-b)	0

### Data Sources

Year	References	
	Methods Used	
	Additional comments	

### 1c. Annual reforestation

Categories	Forest Cover Area (ha)
Reforestation	

### Data Sources

<b>Year</b>	<b>References</b>	
	<b>Methods Used</b>	
	<b>Additional comments</b>	

### 1d. Other land with tree cover

<b>Categories</b>	<b>Forest Cover Area (ha)</b>
	Fruit Orchards (a)
Agroforestry (b)	
Trees in urban settings (c)	
Other (specify in comments) (d)	
Total a+b+c+d	

### Data Sources

<b>Year</b>	<b>References</b>	
	<b>Methods Used</b>	
	<b>Additional comments</b>	

**1e. Degradation**

<b>Categories</b>	<b>Area (ha/year)</b>
	<b>2016 - 2020</b>
Degradation	N.A

**Data Sources**

<b>Year</b>	<b>References</b>	
	<b>Methods Used</b>	
	<b>Additional comments</b>	

**2. Forest growing stock, biomass and carbon**

**2a. Growing stock**

<b>Categories</b>	<b>Growing stock m<sup>3</sup>/ha (over bark)</b>

Natural Forests	
Irrigated Plantations / Man-made forest	
Other land with tree cover (1f)	

Categories	Total growing stock (million m <sup>3</sup> over bark)
Natural Forests	
Irrigated Plantations / Man-made forest	
Other land with tree cover (1f)	

## Data Sources

Year	References	
	Methods Used	
	Additional comments	

## 2b. Growing stock composition by Tree

Categories	Scientific name	Common name	Growing stock in forest (million m <sup>3</sup> over bark)

<b>Natural Forests</b>	
<b>Total volume of tree species</b>	<b>N.A</b>
<b>Irrigated Plantations / Man-made forest</b>	
<b>Total volume of tree species</b>	<b>N.A</b>
<b>Other Land with Tree Cover</b>	
<b>Total volume of tree species</b>	<b>N.A</b>

**Data Sources**

<b>Year</b>	<b>References</b>	
	<b>Methods Used</b>	
	<b>Additional comments</b>	

## 2c. Biomass stock

Categories	Natural Forest Biomass (tonnes/ha)
Above-ground biomass	
Below-ground biomass	
Dead wood	
Soil Carbon	
Litter	
Total	

## Data Sources

Year	References	
	Methods Used	
	Additional comments	

## 2d. Carbon stock

Categories	Natural Forest Biomass (tonnes/ha)
Carbon in above-ground biomass	
Carbon in below-ground biomass	
Carbon in Dead wood	
Soil Carbon	
Litter	
Total	

## Data Sources

Year	References	
	Methods Used	
	Additional comments	

## 2e. Forest Volume

Categories	Volume (cu ft.)
Above-ground Volume	

**Data Sources**

<b>Year</b>	<b>References</b>	
	<b>Methods Used</b>	
	<b>Additional comments</b>	

### 3. Forest designation, management and ownerships

#### 3a. Forest area with management plans

<b>Categories</b>	<b>Area (ha)</b>
Forest area within protected areas	
Forest area with long-term forest management plan	
...of which in protected areas	

#### Data Sources

<b>Year</b>	<b>References</b>	
	<b>Methods Used</b>	
	<b>Additional comments</b>	

### 3b. Forest ownership and management rights

Categories	Forest area (ha)
<b>A. Government Owned</b>	
State	
Demarcated	
Undemarcated	
Reserved	
Protected	
Unclassed	
Resumed	
<b>B. Private / Community</b>	
Guzara	
Communal	
Section 38	
Section 14b	
Chos Act	
Misc	
<b>C. Private / Individual</b>	
Misc	
<b>Total A + B + C</b>	

**Data Sources**

<b>Year</b>	<b>References</b>	
	<b>Methods Used</b>	
	<b>Additional comments</b>	

**4. Forest disturbances**

**4a. Disturbances**

<b>Categories</b>	<b>Area (ha)</b>
<b>Forest Fire (a)</b>	
<b>Insects (b)</b>	
<b>Diseases (c)</b>	
<b>Natural disasters (d)</b>	
<b>Other (specify in comments) (e)</b>	
<b>Total (a+b+c+d+e)</b>	

**Data Sources**

<b>Year</b>	<b>References</b>	
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<b>Methods Used</b>	
<b>Additional comments</b>	

#### 4b. Degraded forests

<b>Categories</b>	<b>Area (ha/year)</b>
<b>Forest Degradation</b>	
..10-30% Canopy Cover	
..31-50% Canopy Cover	
..51-70% Canopy Cover	
..>70% Canopy Cover	

#### Data Sources

<b>Year</b>	<b>References</b>	
	<b>Methods Used</b>	
	<b>Additional comments</b>	

## 5. Emissions and Removals from Forests

### 5a. Emissions

Categories	Average Annual Emissions (tco2e/year)
	2016 - 2020
Deforestation	19000
Forest Degradation	1325000
Disturbances	N.A
<b>Total A+ B + C</b>	<b>1344000</b>

### Data Sources

Year	References	
	Methods Used	
	Additional comments	

### 5b. Removals

Categories	Average Annual Removals (tco2e/year)
	2016 - 2020
Enhancement	199425
SFM	N.A

Categories	Average Annual Removals (tco2e/year)
	2016 - 2020
Conservation	N.A
Total A+ B + C	199425

## Data Sources

Year	References	
	Methods Used	
	Additional comments	

## 5c. Net Emissions/Removals

Categories	Net average annual emissions /removals (tco2e/year)
	2016 - 2020
A. Total Emissions	1344000
B. Total Removals	199425
Net A-B	1144575

## 6. Timber Fuelwood Supply

### 6a. Timber and Fuelwood Supply

Categories	Million (m3)
<b>Share of State Forests</b>	
...Industrial Wood Timber	
...Fuel Wood (domestic + commercial + industrial)	
<b>Share of Farmlands</b>	
...Industrial Wood Timber	
...Fuel Wood (domestic + commercial + industrial)	
<b>Imports</b>	
...Industrial Wood Timber	
...Fuel Wood (domestic + commercial + industrial)	
<b>Total A+B+C</b>	

### Data Sources

Year	References	
	Methods Used	
	Additional comments	

## 6b. Forest products and value

Year	Name of Non Woody Forest Product	Key species	Quantity	Unit	Rate	Total Value (PKR)
All other plant products						
All other animal products						
<b>Total</b>						

## Data Sources

Year	References	
	Methods Used	
	Additional comments	

## 7. Forestry Students and Employees

### 7a. Graduation of students in forest-related education

Categories	Number		
	Total	Female	Male
Doctoral degree			
Master's degree			
Bachelor's degree			
Technician certificate / diploma			
Total			

### Data Sources

Year	References	
	Methods Used	
	Additional comments	