



REPUBLIC OF TÜRKİYE
MINISTRY OF AGRICULTURE AND FORESTRY
GENERAL DIRECTORATE OF FORESTRY



GENERAL DIRECTORATE OF FORESTRY
ACTIVITY REPORT



GENERAL DIRECTORATE OF FORESTRY

ADMINISTRATIVE ACTIVITY REPORT 2020

FEBRUARY 2021

DEPARTMENT OF STRATEGY DEVELOPMENT
ANKARA/2021



MINISTER'S PRESENTATION

Rapid population growth, urbanization, economic activities and diversified consumption habits have an increased pressure on the environment and natural resources. Global problems such as environmental pollution, climate change, desertification, deforestation, water scarcity and food security remain on the world agenda.

Forests are among the important natural resources. However increasing global problems such as industrialization, increasing urban population, global climate change and destruction of biodiversity also threaten forests.

Economic, environmental and social developments in our country, as in the world, have significantly increased the demands and expectations for forest resources. Forests, which until recently were seen as a source of wood production, are recently on the agenda with their ecological-social services and protective-environmental functions.

Considering the biological and technical characteristics and ecological, economic, social, cultural and managerial dimensions of forest management within an ecosystem integrity taking into consideration the demands of society and the structure of the country's forests is the basic approach of today's forestry understanding.

Our country has the distinction of being one of the rare countries that can increase its forest assets. Multipurpose afforestation and soil conservation works have been carried out on suitable areas, thus preventing erosion and sediment transport and creating new recreation and ecotourism areas, new carbon sinks and oxygen sources while forest areas have been increased. In addition, it is aimed to contribute to the local economy by afforestation, especially using income-generating species.

In this context, projects and action plans prepared for the whole country and including the determined priority activity areas have been put into practice.

Dr. Bekir PAKDEMİRLİ
Minister



GENERAL DIRECTOR'S PRESENTATION

The primary goal of the General Directorate, which is responsible for protecting, developing and expanding forests and forest resources, and managing them in a sustainable manner within the integrity of the ecosystem and so as to provide multifaceted benefits to the society, is to be a leading institution in sustainable forest management practices.

Within this framework, 17 strategic targets, 48 strategies and 42 performance indicators were determined under 4 strategic goals for the period 2019-2023, and the budget is associated with the goals and targets included in the strategic plan.

The 2020 programme was prepared by taking into account the programmes and sub-programmes approved by the Presidency, and the prepared programme was supported by investment and revolving fund work programmes that were implemented by making local distributions on the basis of sectors, budgets and projects.

Protecting forests against biotic and abiotic pests, ensuring the sustainability of forest existence, developing the existing forests, increasing the total forest existence and productive forest areas, ensuring the efficient use of forest resources in economic, ecological and social terms and increasing the diversity of forest products, controlling soil loss caused by erosion, landslides and similar reasons and increasing the improved pasture areas by monitoring the health of forest ecosystems, and improving quality of life, increasing the diversity of income sources and providing employment by contributing to the socioeconomic development of forest villagers have been among our priority targets in the programme period.

The activities and/or projects included in the programme for the determined targets have been implemented and resources of a total of TRY 10,530,102,369 were used. TRY 3,902,753,790, which constitutes 37% of the resources used, has been paid from the special budget, and TRY 6,627,348,579, which constitutes 63% thereof, has been paid from the revolving fund.

I hope that the Annual Activity Report 2020 of the General Directorate of Forestry, which is one of the important tools of accountability and contains a summary of the services and activities we have carried out in 2020, will be useful for informing all interested parties and the public.

Bekir KARACABEY
General Director



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I. GENERAL INFORMATION

A. Mission and Vision

OUR MISSION

To protect forests and forest resources, to develop them with an approach close to nature, to manage them in a sustainable manner within the integrity of the ecosystem and so as to provide multifaceted benefits to the society

OUR VISION

To be a leading institution in sustainable forest management practices

B. Authorities, Duties and Responsibilities

The principles and procedures regarding the establishment, organization, duties and authorities of the General Directorate of Forestry are regulated by the “Presidential Decree on the Organization of the Institutions and Organizations Associated, Related and Affiliated to the Ministries and Other Institutions and Organizations”, and in Article 334 of the aforesaid Decree, the duties of the General Directorate of Forestry are listed as follows:

- To manage forest resources within the ecosystem integrity, together with plant and animal existence, taking into account their ecological, economic and sociocultural benefits, to plan in a participatory and multi-purpose manner, to protect against illegal interventions, natural disasters and fires, to control various pests and to have them controlled, to conduct and develop forestry quarantine services, to increase forest areas and forest-related services, to develop and improve forests, to ensure silvicultural maintenance and regeneration.
- To carry out actions and procedures related to the ownership of forests and cadastral, permission and easement activities.
- To ensure sustainability of forest products and services and to manage forests according to technical, sociocultural, ecological and economic requirements, to carry out the production, transportation and storage of forest products and to market such products domestically and internationally.
- To ensure the separation, protection and operation of recreational areas, urban forests, research forests, tree parks (arboretums), in-forest biodiversity protection areas, model forests and conserved forest areas.
- To carry out afforestation, erosion control, forest-related pasture improvement activities, and activities to combat desertification and flood and avalanche control activities, and to prepare and implement integrated basin projects, on all types of land within or outside the forest boundaries.
- To produce seeds and saplings of forest trees, shrubs and plant species belonging to the flora, to carry out grafting activities, to establish and operate permanent or temporary nurseries and to close them when necessary.
- To support natural and legal persons to establish, operate and market nurseries through special afforestation, reconstruction and erosion control activities.
- To establish and operate revolving fund enterprises and other necessary units in order to ensure maximum benefit from the products and services offered by forest ecosystems, to close them when necessary, to purchase or lease all kinds of materials, parcels, lands, buildings, facilities and installations, to make exchanges when necessary, to carry out their maintenance and repair works, to provide the machines and service vehicles required by the services, to carry out their maintenance and revision works, to carry out all kinds of infrastructure works in the forests, to conduct survey projects of the roads required for forestry activities, to carry out maintenance and repair works.
- To provide all kinds of pre-service and in-service training required by the services, to establish and operate institutes, directorates, research units, training centers and social facilities that will serve at local, national and global levels, regarding the services within the scope of the field of activity of the General Directorate.

- To carry out all kinds of research and development, inventory, printing, publication and promotional activities and projects related to its services and to market the results thereof at home and abroad.
- To carry out activities to popularize the use of forest products and services, to work in close cooperation with the private sector organizations, non-governmental organizations and universities that produce, process, market, import and export all kinds of forest products, to provide consultancy and implement projects at home and abroad, to carry out all kinds of activities to raise public awareness regarding forests and forestry.
- **(Added: Official Gazette-19/6/2019-30806-Presidential Decree-Article 39/4)** To ensure the dissemination of forestry activities to large masses and to provide transfer assistance to forest youth and sports clubs in order to raise public awareness about the prevention of fires, not to exceed two thousandths of the revolving fund budget at the beginning of the relevant year.
- To carry out expropriation, transfer and, when necessary, exchange of immovable properties owned by public institutions and organizations in order to bring the immovable properties owned by natural and legal persons under the forest regime in order to ensure forest integrity, to support the villagers living in and next to state forests with in-kind and in-cash aid resources, to develop forest-public relations and to take all kinds of actions in this regard.
- To determine the technical and administrative principles on the subjects within its field of activity, to establish laboratories related to the activity subjects and have them established, to make job descriptions and unit time analyses, to have them made and to determine unit prices.
- To determine the principles to be followed by other public institutions and organizations regarding the duties, services and activities of the General Directorate and to ensure coordination.
- To perform other duties and services as required by the legislation

C. Administrative Information

1. Physical Structure

The General Directorate of Forestry carries out forestry services in a total of 24,841 buildings, which are registered with the revolving fund and special budget, and has 2,881 underground and aboveground structures as well as a land covering an area of 37,899,030 m² against 4,907 title deeds.¹

The central units operate in the premises of the General Directorate of Forestry, located in Ankara Province, Yenimahalle District, Söğütözü Locality, block no. 7,638, parcel no. 27.²

Within the scope of the projects included in the investment programme, new buildings and facilities were constructed and maintenance and repair of existing buildings and facilities were carried out, and resources of a total of TRY 44,564,899 were used, including TRY 26,327,808 from the special budget and TRY 18,237,091 from the revolving fund.

Table 1: Building and Facility Construction and Maintenance-Repair Works, 2020

Special Budget	TRY	Revolving Fund	TRY
Major Repair	9,897,395	Major Repair	4,439,674
Construction of New and Supplementary Facilities	8,146,403	Construction of New and Supplementary Facilities	628,656
	8,284,010		13,168,761
TOTAL	26,327,808	TOTAL	18,237,091

¹ Immovable properties owned, used or managed by the General Directorate of Forestry were registered in immovable property and accounting records within the framework of the "Regulation on the Registration of Immovable Properties Owned by Public Administrations" and the "Implementation Directive for the Registration of Immovable Properties Owned, Managed or Used by the General Directorate of Forestry" and revenues of a total of TRY 21,219,584 were obtained in 2020 from immovable properties that were determined to be surplus and rented out.

Also, in accordance with the 1st paragraph of Article 17 of the Forest Law No. 6831 and the Regulation on the Identification and Management of Highland Areas in State Forests, 384 highland areas with a total area of 10,031 hectares were declared in 20 Regional Directorates of Forestry to date by the decision of the Council of Ministers. 13,939 buildings and facilities located on 384 highland areas were included in fixed assets, 12,008 buildings and facilities were rented out to users, and an income of TRY 5,605,115 was obtained in 2020.

² The premises with a closed area of 73,463 m² have 4 seminar and 1 conference halls, meeting halls, work offices, a fire operations center, a nursery, a guest house, an indoor sports hall, social facilities, a staff cafeteria, a parking garage for 524 vehicles and a parking lot for 180 vehicles, an archive room, a warehouse and a place of worship.

There are 9,009 vehicles and machines in the machinery park, including 2,877 service vehicles, 5,059 construction and protection machines and 1,073 production machines, and 32% of the existing vehicles are service vehicles, 56% are construction and protection machines and 12% are production machines.

Table 2: Number of Vehicles in the Machinery Park, 2020

	Special Budget	Revolving Fund	TOTAL
	Number	Number	Number
Service Vehicles	2,870	7	2,877
4x2 Automobiles	19		19
4x4 Station Wagons	138	1	139
Minibuses	41		41
4x4 Pick-ups	2,667	6	2,673
Midibuses	3		3
Buses	1		1
Funeral Vehicles	1		1
Construction and Protection Machines	4,618	441	5,059
Dozers	73	103	176
Graders	85	173	258
Trailers	83	3	86
Water Supply Vehicles	281		281
Excavators	35	84	119
Mini Excavators	58	36	94
Fire Extinguishing Vehicles	1,077		1,077
Fire Command Vehicles	11		11
First Response Vehicles	2,270		2,270
Heavy-Tonnage Trucks	1		1
Loaders	13	8	21
Mini Loaders	1	6	7
Motorcycles	564	1	565
ATV Motorcycles	34	20	54
Electric Motorcycles		4	4
Tankers	7		7
Cylinders		3	3
Mobile Repair Vehicles	25		25
Production Machines	760	313	1,073
Loaders and Stackers	8	6	14
4x2 Tractors	194	16	210
4x4 Tractors	226	82	308
Garden Tractors	67	17	84
Dumper Trucks	50		50
Cargo Trucks	38		38
Skidders	29	10	39
4x4 Bucket Mounted Tractors	107	170	277
4x2 Bucket Mounted Tractors	13	1	14
Air Lines	6	4	10
Rotary Snowplow and Rotary Snowplough	1		1
Tree Diggers and Planters	4		4
Sapling Diggers and Planters	17	7	24
TOTAL	8,248	761	9,009

Chart 1: Numeric Distribution of Vehicles and Machines in the Machinery Park, 2016-2020

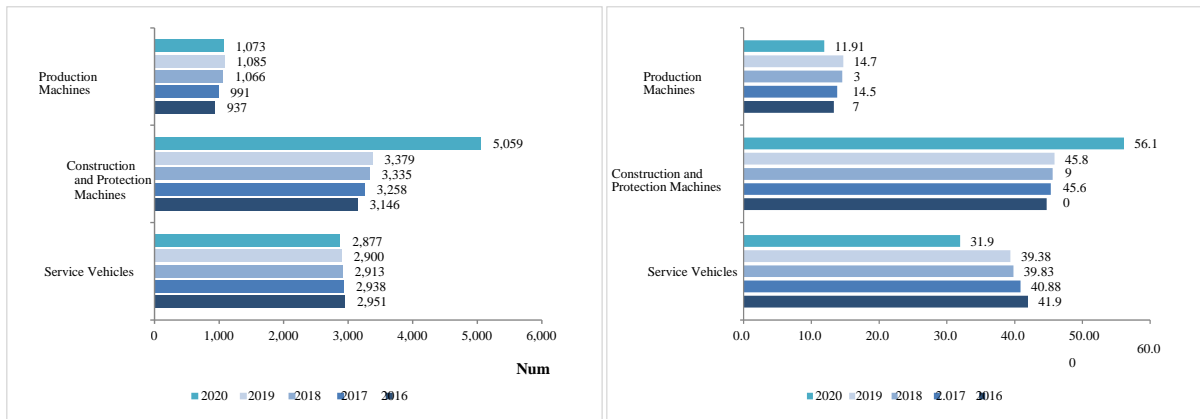
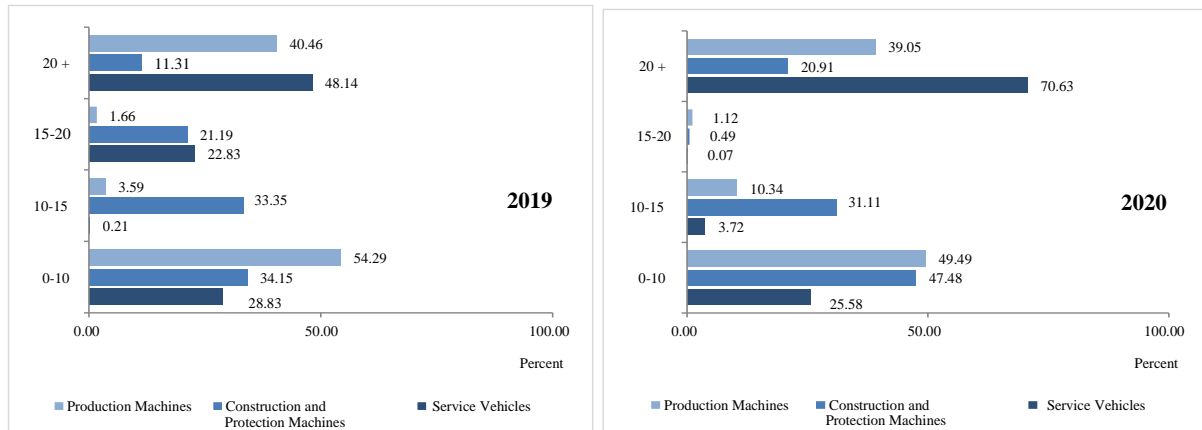


Chart 2: Distribution of Vehicles and Machines in the Machinery Park by Age Group, 2019-2020



74% of the service vehicles, 53% of construction and protection machines, 51% of production machines are in the age group of 10 and above. It is planned to periodically renew vehicles aged 10 and above in order to reduce operating costs and increase efficiency. In 2020, TRY 397,381,872 was spent from the appropriations of forestry services for which service vehicles and production and protection machines were operated for operating, repair and maintenance expenses.

Table 3: Machinery Park Operating Expenses, 2016-2020

	Unit	2016	2017	2018	2019	2020
Operating Time	Hour	697,726	775,196	1,850,044	898,419	974,100
	Kilometer	99,766,964	112,464,249	102,684,566	94,565,843	110,004,506
Consumed Fuel	Liter	36,049,933	28,821,334	34,838,932	27,577,415	28,246,872
	TRY	73,399,497	93,289,916	226,453,058	176,484,106	281,011,028
Consumed Oil	Liter	173,305	231,163	167,004	152,762	143,733
	TRY	1,741,510	2,149,806	13,054,298	3,473,521	3,789,733
Consumed Grease Oil	Liter	5,496	8,579	12,640	15,439	14,484
	TRY	54,176	80,616	184,337	982,397	294,970
Consumed Antifreeze	Liter	9,707	10,189	10,445	9,270	8,253
	TRY	62,502	88,513	121,713	157,670	286,511
Consumed Adblue	Liter					113,685
	TRY					941,706
Tire Expenses	TRY	3,522,997	3,367,682	6,044,364	6,995,608	7,141,035
Spare Parts Expenses	TRY	27,327,826	41,827,851	45,994,239	57,067,399	79,135,164
Labor Costs	TRY	10,143,919	12,054,295	16,018,613	24,009,277	24,781,725
TOTAL	TRY	108,977,493	116,252,427	152,858,679	307,870,622	397,381,872

Within the scope of the projects included in the 2020 investment programme, various vehicles, machinery and equipment were purchased, and a total of TRY 409,238,755 was spent, including TRY 396,919,331 from the revolving fund and TRY 12,319,424 from the special budget.

Table 4: Number of Machinery-Equipment Purchased, 2020

Revolving Fund	Number		TRY	Special Budget	Number		TRY
Sprinklers	191		315,866,250	Digital Radios	Various		3,714,640
Fire Management Vehicles	34		48,804,092	Digital Wireless Communication Systems	Various		3,655,168
Water Supply Vehicles	5		9,351,800	Various	Various		4,949,616
Dozers	2		5,794,264	TOTAL			12,319,424
Excavators	4		3,359,456				
Backhoe Loaders (with Fire Cell)	5		2,875,805				
Mini Excavators	1		1,749,936				
Tractors	3		1,320,594				
Various	5		1,013,250				
	Various		6,706,878				
TOTAL			396,919,331				

2. Organizational Structure

The central organization of the General Directorate of Forestry consists of the service units. The central organization has a Department of Inspection Board, Department of Legal Consultancy, Department of Internal Audit, 18 departments and a total of 118 branch directorates affiliated to these departments. The provincial organization is directly connected to the center with 28 Regional Directorates of Forestry and consists of 12 Research Institute Directorates, 9 of which operate on general forestry issues and at the regional level, and 3 of which operate on a subject basis and throughout the country.

REGIONAL DIRECTORATES OF FORESTRY

01 ADANA	07 BALIKESİR	13 ESKİŞEHİR	19 KASTAMONU	25 KONYA
02 SAKARYA	08 BOLU	14 GİRESUN	20 MERSİN	26 KAYSERİ
03 AMASYA	09 BURSA	15 İSPARTA	21 MUĞLA	27 ŞANLIURFA
04 ANKARA	10 DENİZLİ	16 İSTANBUL	22 TRABZON	28 ÇANAKKALE
05 ANTALYA	11 ELAZIĞ	17 İZMİR	23 ZONGULDAK	
06 ARTVİN	12 ERZURUM	18 KAHRAMANMARAŞ	24 KÜTAHYA	

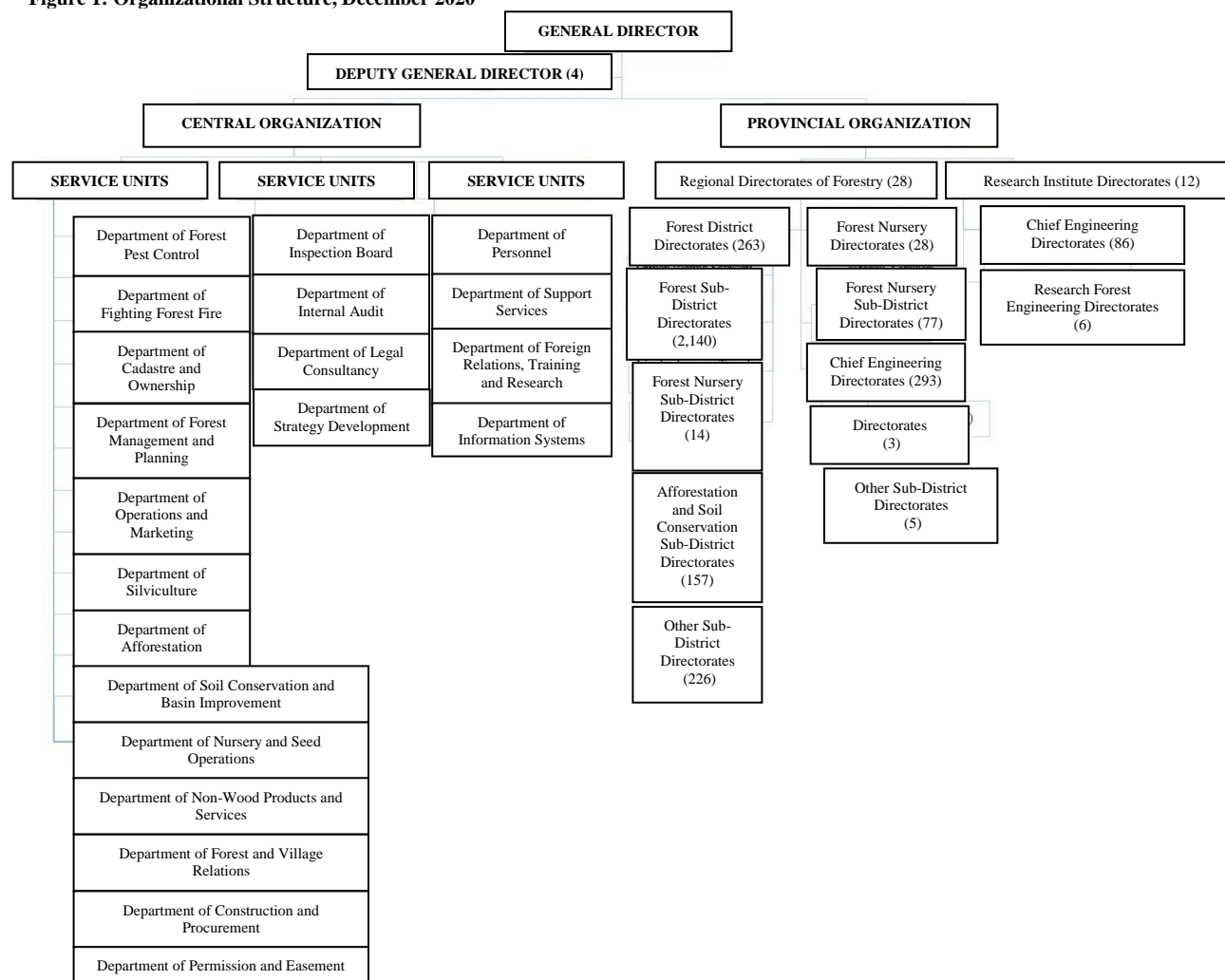
FORESTRY RESEARCH INSTITUTE DIRECTORATES

Research Institute Directorates operating on a subject basis and throughout the country

01 Research Institute Directorate for Poplars and Fast-Growing Forest Trees	İZMİR/KOCAELİ
02 Research Institute Directorate for Improvement of Forest Tress and Seeds	ANKARA
03 Research Institute Directorate for Forest Soil and Ecology	ESKİŞEHİR

Research Institute Directorates operating on general forestry issues and at the regional level

01 Western Mediterranean Forestry Research Institute Directorate	ANTALYA
02 Western Black Sea Forestry Research Institute Directorate	BOLU
03 Eastern Mediterranean Forestry Research Institute Directorate	TARSUS/MERSİN
04 Eastern Anatolian Forestry Research Institute Directorate	ERZURUM
05 Eastern Black Sea Forestry Research Institute Directorate	TRABZON
06 Aegean Forestry Research Institute Directorate	URLA/İZMİR
07 Southeastern Anatolian Forestry Research Institute Directorate	ELAZIĞ
08 Central Anatolian Forestry Research Institute Directorate	ANKARA
Marmara Forestry Research Institute Directorate	İSTANBUL

Figure 1: Organizational Structure, December 2020

The summary information regarding the changes made in the organizational structure of the provincial organization of the General Directorate in 2020 is provided below.³

- 1 forest nursery sub-district directorate, 2 cadastre and property sub-district directorates, 1 afforestation and soil conservation sub-district directorate, 1 electronics and communications sub-district directorate, 1 warehouse sub-district directorate and 1 training sub-district directorate were established.
- 31 forest nursery sub-district directorates and 1 forest sub-district directorate had their connections changed, 22 forest sub-district directorates had their borders changed, 3 forest sub-district directorates had their connections and borders changed, 8 forest sub-district directorates had their names changed, 1 forest sub-district directorate had its name and head office changed and 3 forest sub-district directorates had their head offices changed.
- 1 research forest engineering directorate was closed.

3. Technology and Information Infrastructure

The Forest Information System (ORBIS) Project, which will enable the operations and processes of the General Directorate of Forestry to be carried out electronically, was implemented as 4 main projects:

- Forest Inventory Management Information System,
- Network Infrastructure Development Project,
- Institutional Service Inventory Management and Dissemination,
- Institutional Resource Planning

and sub-components as a result of the studies carried out between 2011 and 2016.⁴

³ The changes made in the organizational structure of the General Directorate of Forestry have been reflected in the Electronic Public Administration Information System (KAYSIS).

Table 5: Information about the Network Infrastructure and System Room, 2020

Unit Name	Network Infrastructure and System Room		Network Key (Switch)	Firewall
	Number of Units	Scope	Number of Units	Number of Units
General Directorate of Forestry (Center)	1	1,250 Modules	216	2
Regional Directorates of Forestry	28	10,890	291	
Research Institute Directorates of Forestry	7	329 Modules	8	
Forest District Directorates	229	10,570	309	
Forest Nursery Directorates	21	233 Modules	24	

Table 6: Information about the Inventory of Hardware and Peripherals, 2020

Hardware	Number	Server Name	Number	Current Storage Capacity	Capacity (TB)
Laptop Computers	5,316	Physical Server	20	General Capacity	1,800
Desktop Computers	15,760	Virtual Server	330		
Tablets	1,966				
Photocopy Machines	501				
Printers	7,769				

4. Human Resources

The number of officers, contract employees, permanent workers and temporary workers employed in the central and provincial units of the General Directorate of Forestry is 38,184 as of December 2020.

Table 7: Statuses and Numbers of Employees, 2016-2020

	Officers	Contract Employees	Permanent Workers	Temporary Workers	Temporary Employees	TOTAL
2016	17,843	165	11,954	8,325	741	39,028
2017	17,116	156	10,959	8,158	709	37,098
2018	16,494	816	10,667	8,129		36,106
2019	15,908	786	9,385	7,975		34,054
2020	15,334	5,564	9,089	8,197		38,184

As compared to 2016, the total number of employees increased by 2%, the number of officers, permanent workers and temporary workers decreased by 14%, 24% and 2% respectively, and the number of contract employees increased.

Table 8: Status of Occupied-Vacant Positions, 2020

	Special Budget				Revolving Fund				TOTAL			
	Central		Provi		Central		Provi		Central		Provincial	
	Occupied	Vacant	Occupied	Vacant	Occupied	Vacant	Occupied	Vacant	Occupied	Vacant	Occupied	Vacant
Officers	777	983	12,663	8,622	168	860	1,726	15,201	945	1,843	14,389	23,823
Contract Employees			633		30		4,901	271	30		5,534	271
Permanent Workers	35		6,612	5,011	199		2,243	4,580	234		8,855	9,591
Temporary Workers			2,097		8		6,092		8		8,189	
Temporary Employees												

⁴ The "ORBIS Project (2011-2016) Closing Report" was evaluated and the necessity of proceeding with phase 2 of the Project arose and in this process, the "ORBIS Dissemination Project (2017-2019)" prepared for the development and integration of the required additional modules and the provision of the necessary equipment was included in the investment programme, and 17 modules were completed in 2017-2020 and the total number of modules was increased to 41.

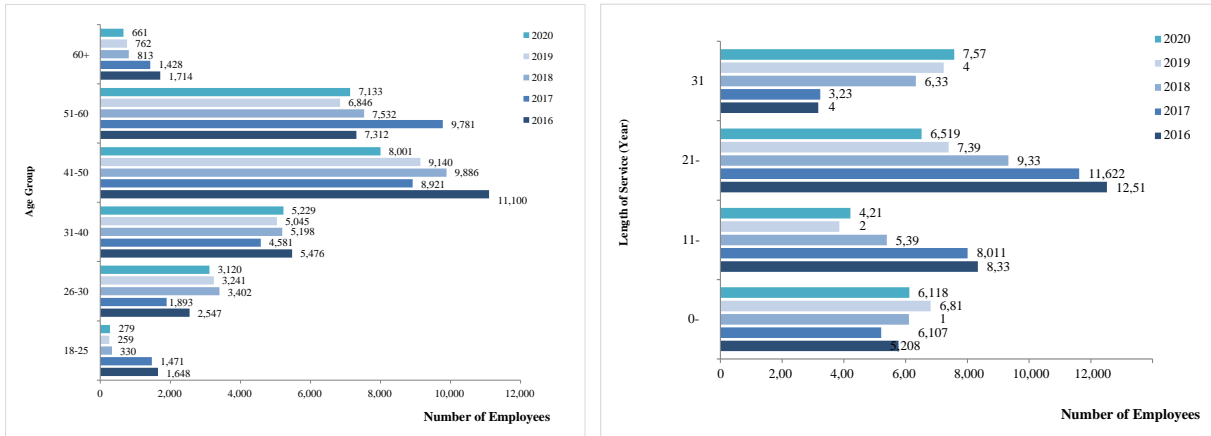
Table 9: Budget and Title Distributions of Occupied Positions, 2020

	Special Budget		Revolving Fund		Total		GRAND TOTAL
	Central	Provincial	Central	Provincial	Central	Provincial	
General Director	1				1		1
Deputy General Director	4				4		4
I. Legal Counsels	1				1		1
Legal Counsels	4				4		4
Department Head	15				15		15
Internal Auditors	9				9		9
Chief Inspectors	65				65		65
Inspectors	44				44		44
Regional Directors		25				25	25
Deputy Regional Directors		83				83	83
District Directors		73				73	73
Deputy District Directors		64				64	64
Deputy Director, Spare Parts		1				1	1
Institute Directors		10				10	10
Deputy Institute Directors		11				11	11
Nursery Directors		12				12	12
Deputy Nursery Directors		9				9	9
Chief Engineers		174				174	174
Branch Directors	99	311			99	311	410
Engineers	268	3,263	40	368	308	3,631	3,939
Lawyers	6	103	11	35	17	138	155
Financial Services Specialists	7				7		7
Specialists	2	1	1		3	1	4
Research, Planning and	5				5		5
Training Specialists	8				8		8
Civil Defense Specialists		5				5	5
Researchers	3	54			3	54	57
Accountants		25	6	175	6	200	206
Property Accountants		5				5	5
Operations Accountants				26		26	26
Chief Officers	16	128		1	16	129	145
Technicians	17	595	27	123	44	718	762
Technicists	42	388	22	32	64	420	484
Computer Operators	91	1,977	33	260	124	2,237	2,361
Forest Guards		3,572		182		3,754	3,754
Others	70	1,774	28	524	98	2,298	2,396
TOTAL	777	12,663	168	1,726	945	14,389	15,334
Contract Employees		633	30	4,901	30	5,534	5,564
Permanent Workers	35	6,612	199	2,243	234	8,855	9,089
Temporary Workers		2,097	8	6,092	8	8,189	8,197
Temporary Employees							
GRAND TOTAL	812	22,005	405	14,962	1,217	36,967	38,184

Approximately 40% of the current employees are employed as officers, and 60% are employed as contract employees, permanent workers and temporary workers.⁵

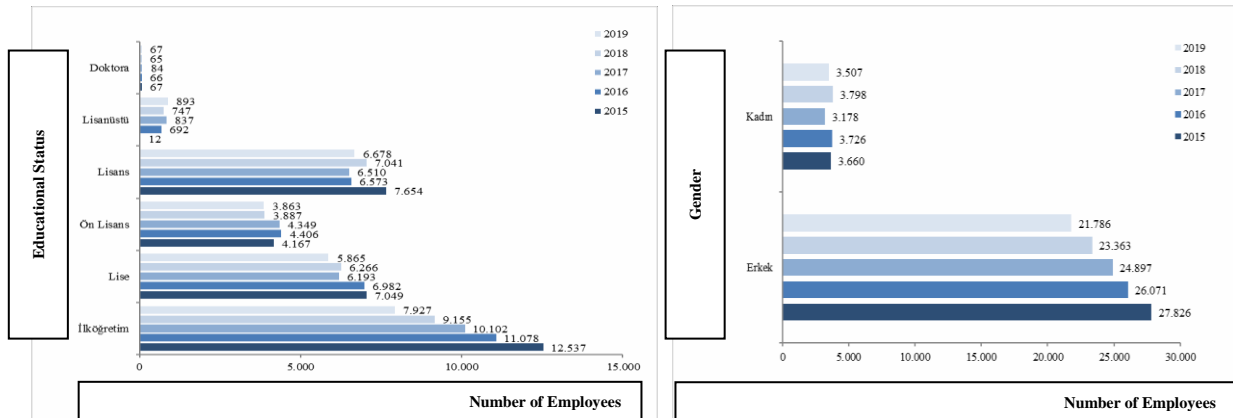
⁵ In accordance with Article 4 (B) of Law No. 657, a total of 4,913 employees have been appointed to various titles, and the processes and procedures for 87 employees are ongoing. In addition, 2,097 employees applied for title change examination during the year, 1,743 employees were entitled to take a written examination, 1,297 employees were entitled to take an oral examination, and 542 employees were appointed.

Chart 3: Distribution of Employees by Age Group and Length of Service, 2016-2020



33% of officers and permanent workers are between the ages of 41 and 50, and the number of personnel aged 51 and over constitutes 32% of the total officers and permanent workers. The ratio of the number of officers and permanent workers with more than ten years of public service experience to the total number of officers and permanent workers is 75%. 82% of the 7,927 employees with an educational level below high school are employed as permanent workers, and 95% of the 7,031 employees with a bachelor's degree are employed as officers and 5% are employed as permanent workers.

Chart 4: Distribution of Officers and Permanent Workers by Educational Status and Gender, 2016-2020



During the year, a total of 1,875 employees, including 732 officers, 969 permanent workers and 174 temporary workers, left the institution, and a total of 1,227 employees, including 158 officers, 673 permanent workers and 396 temporary workers, started to work in the institution.

Table 10: Number of Employees Leaving the Institution, 2020

	Retirement	Death	Resignation	Transporting	Others	TOTAL
Officers	615	28	14	64	11	732
Permanent Workers	931	28	7		3	969
Temporary Workers	64	11	40		59	174

Table 11: Number of Employees Employed in the Institution, 2020

	Extra Appointment	Interinstitutional Transition	Others	TOTAL	
Officers		108	33	17	158
Permanent Workers		673			673
Temporary Workers		395		1	396

5. Activities, Products and Services Offered

Our country's forest assets cover approximately 29.4% of the country's surface area with 22,933,000 hectares. Within this area, the area of forests with normal crown closure constitutes 57.84% of the total forest area with 13,264,429 hectares, and the area of forests with low crown closure constitutes 42.16% with 9,668,571 hectares.

Table 12: Status of Forest Areas by Different Inventory Years

Inventory Year	Forest Type	Forests with Normal Crown Closure		Forests with Low Crown Closure		Total	
		Hectare	Percent	Hectare	Percent	Hectare	Percent
1973	Groves	6,176,899	30.58	4,757,708	23.55	10,934,607	54.13
	Coppice	2,679,558	13.27	6,585,131	32.60	9,264,689	45.87
	Total	8,856,457	43.85	11,342,839	56.15	20,199,296	100.00
2012	Groves	10,281,728	47.43	6,978,864	32.19	17,260,592	79.62
	Coppice	1,276,940	5.89	3,140,602	14.49	4,417,542	20.38
	Total	11,558,668	53.32	10,119,466	46.68	21,678,134	100.00
2015	Groves	11,919,061	53.35	7,700,657	34.47	19,619,718	87.81
	Coppice	785,087	3.51	1,938,130	8.67	2,723,217	12.19
	Total	12,704,148	56.86	9,638,787	43.14	22,342,935	100.00
2020	Groves	12,914,800	56.31	8,741,566	38.12	21,656,366	94.43
	Coppice	349,629	1.53	927,005	4.04	1,276,634	5.57
	Total	13,264,429	57.84	9,668,571	42.16	22,933,000	100.0

94.43% of the forests are operated as groves and 5.57% as coppice, the total growing stock is approximately 1.7 billion m³, and the increment, which is an indicator of the wood raw material yield of the forests, is 47.4 million m³.

Table 13: Growing Stock Status of Forest Areas by Different Inventory Years

Inventory Year	Forest Type	Forests with Normal Crown Closure		Forests with Low Crown Closure		Total	
		Cubic meter	Percent	Cubic meter	Percent	Cubic meter	Percent
1973	Groves	758,732,197	81.10	54,349,847	5.81	813,082,044	86.91
	Coppice	88,300,818	9.44	34,129,288	3.65	122,430,106	13.09
	Total	847,033,015	90.54	88,479,135	9.46	935,512,150	100.00
2012	Groves	1,365,186,239	92.80	59,319,695	4.03	1,424,505,934	96.83
	Coppice	34,864,000	2.37	11,768,000	0.80	46,632,000	3.17
	Total	1,400,050,239	95.17	71,087,695	4.83	1,471,137,934	100.00
2015	Groves	1,506,131,410	93.45	59,996,731	3.72	1,566,128,141	97.17
	Coppice	33,692,118	2.09	11,953,934	0.74	45,646,052	2.83
	Total	1,539,823,528	95.54	71,950,665	4.46	1,611,774,193	100.00
2020	Groves	1,614,281,635	95.12	64,037,202	3.77	1,678,318,837	98.90
	Coppice	14,013,759	0.83	4,722,404	0.28	18,736,163	1.10
	Total	1,628,295,394	95.95	68,759,606	4.05	1,697,055,000	100.00

Forestry practices not only change area and growing stock levels, but also affect the age components of trees constituting forests and therefore their increment.

Table 14: Current Annual Increment of Forest Areas by Different Inventory Years

Inventory Year	Forest Type	Forests with Normal Crown Closure		Forests with Low Crown Closure		Total	
		Cubic meter	Percent	Cubic meter	Percent	Cubic meter	Percent
1973	Groves	20,791,672	74.09	1,343,744	4.79	22,135,416	78.88
	Coppice	4,813,197	17.15	1,114,592	3.97	5,927,789	21.12
	Total	25,604,869	91.24	2,458,336	8.76	28,063,205	100.00
2012	Groves	37,300,713	90.92	1,411,640	3.44	38,712,353	94.36
	Coppice	1,814,000	4.42	499,000	1.22	2,313,000	5.64
	Total	39,114,713	95.34	1,910,640	4.66	41,025,353	100.00
2015	Groves	42,322,876	92.20	1,484,455	3.23	43,807,331	95.43
	Coppice	1,511,561	3.29	585,191	1.27	2,096,752	4.57
	Total	43,834,437	95.49	2,069,646	4.51	45,904,083	100.00
2020	Groves	44,647,096	94.19	1,713,498	3.62	46,360,594	97.81
	Coppice	762,981	1.61	276,425	0.58	1,039,406	2.19
	Total	45,410,077	95.80	1,989,923	4.20	47,400,000	100.0

The total annual increment in forests was 28 million m³ in 1973 and as a result of forestry implementations, the annual increment reached 47 million m³ in 2020. Although the increase in the share of area of groves has an impact on this result, the acquisition of new forest areas and the maintenance activities carried out in the forests have a great impact.

Table 15: Status of Forests by Tree Species, 2020

Characteristics	Crown Closure	Groups of Tree		TOTAL
		Coniferous	Deciduous	
Area (Hectare)	Normal	8,722,006	4,542,423	13,264,429
	Low Crown Closure	5,142,992	4,525,579	9,668,571
	Total	13,864,998	9,068,002	22,933,000

Characterist	Crown Closure	Groups of Tree Species		TOTAL
		Coniferous	Deciduous	
Growing Stock	Normal	1,114,195,394	514,100,000	1,628,295,394
	Low Crown Closure	42,253,982	26,505,624	68,759,606
	Total	1,156,449,376	540,605,624	1,697,055,000
Annual Increment	Normal	30,602,836	14,807,241	45,410,077
	Low Crown Closure	982,926	1,006,997	1,989,923
	Total	31,585,762	15,814,238	47,400,000

When the areal distribution, growing stock and increment status of forests are classified according to tree species, it is seen that the number of coniferous species is higher than the number of deciduous species in terms of area, growing stock and increment.

5.1 Protection of Forests and Forest Resources

It includes the protection of forests and forest resources against fires and biotic and abiotic pests. In addition, information and awareness-raising activities planned to improve forest-public relations are also included in the group of forest protection activities.

5.1.1 Protection of Forests against Fires

In our country, which is located in the Mediterranean climate zone due to its geographical location, a large part of our forests is under fire threat, and 60% of the total forest area consists of the areas sensitive to first- and second-degree fires. Therefore, forest fires are among the priority issues for our country's forestry. Our primary and important activities⁶ include taking any physical and human precautions to prevent the occurrence and spread of forest fires, developing and strengthening forest firefighting techniques, minimizing fire losses by shortening the duration of responding to fires and training the personnel working in forest fires. The “**Project for Rehabilitation of Burned Areas and Establishment of Fire Resistant Forests**”, which was shortly named YARDOP, was put into effect in 2010 in order to restore the forest areas affected by fires to forest cover and reduce the impact of possible forest fires, and it was revised and put into effect again as Circular No. 6976 in 2014.

5.1.2 Forest Pest and Disease Control

Insect damage has an important place among the damages caused by insects, fungi and other organisms in our country's forests. In this regard, insect control comes to the fore for forest pest control. Due to global warming and climate change, the method of biological control is primarily used in the forest pest control. For this purpose, an average of 500 thousand/year beneficial predatory insects and beneficial parasites, parasitoids, viruses, etc. are produced in 46 laboratories⁷ in 26 provinces and released into areas where harmful insects are densely populated, 50 thousand bird nests/year are hung in designated forest areas to re-establish the natural balance, and 100 ant nests/year are transplanted.

5.1.3 Fighting Forest Crimes and Grazing Management

Our country's forest assets are under various threats and the source of these threats is largely human. The main illegal interventions of people in forests are excessive and irregular exploitation, illegal transportation of forest goods, deforestation and settlement for acquisition of farming and residential areas, and uncontrolled and excessive grazing. The efforts to identify areas with higher forest crime rates and establish protection teams in sensitive areas, to activate the protective measures by supporting the teams with vehicles and forest guards, to demolish unlicensed buildings and facilities in forest areas, to protect the surrounding forests through cooperation and protocols with village legal entities, and to transfer resources to villagers living here and ensure that the people protect the forests are continued uninterrupted. In addition, the activities initiated to complete grazing plans⁸ in regions that are sensitive to fire and where flammable materials are abundant are ongoing.

5.1.4 Monitoring of the Health of Forest Ecosystems

In order to monitor forest ecosystems in sustainable natural resource management, permanent observation plots (Level I and Level II) were established in Europe in 1985 within the scope of the “International Cooperative Programme for Monitoring and Assessment of the Effects of Air Pollution” (ICP Forests)

⁶ Preventive measures in fighting forest fires, and training and awareness-raising activities carried out to eliminate the causes of fires are developed and managed by the “Action Plan for Fighting Forest Fires” prepared every year. Activities carried out to increase the capacity to combat forest fires are planned and implemented with the “Forest Protection and Fire Fighting Project” included in the investment programme.

⁷ In 44 of 46 laboratories in 26 provinces, only predatory insects are produced, and in 2 laboratories, beneficial viruses are produced against chestnut branch cancer.

⁸ The “Regulation on the Principles and Procedures Regarding Animal Grazing in Forests and in Grasslands, Summer Pastures and Winter Pastures Located in Forests” prepared within the scope of the revision made in Article 19 of the Forest Law No. 6831 was published in the Official Gazette dated July 11, 2012 and numbered 28350 and entered into force. Grazing plans were prepared for 1,874 forest sub-district directorates, and an area of 10.6 million hectares were designated as prohibited for grazing.

In our country, the “Project for Monitoring of Forest Ecosystems” was initiated in 2006 under the coordination of the General Directorate of Forestry and in cooperation with the Department of Research and Development of the former Ministry of Environment and Forestry, and since 2007, the “**Programme for Monitoring of Forest Ecosystems**” was put into practice in order to determine the problems that will occur with the health of the forests of our country due to the effects of air pollution and climate change.

5.1.5 Determination of Forest Boundaries and Permissions

Determination of the boundaries of forests, application works for the application of forest limitation or cadastral procedures to the land in accordance with the new laws, applications in Article 2 of Law No. 1744 and applications in Article 2/B of Law No. 3302, and registration of the places with finalized boundaries with the land registry are carried out within the framework of the prepared programmes.⁹ Permission processes and procedures are carried out for areas regarded as forests in accordance with Articles 16, 17, 18 and 57 of the Forest Law No. 6831, and also, they are allocated to the Ministry of Culture and Tourism to be used for tourism purposes in accordance with Article 8 of the Law No. 2634 for the Encouragement of Tourism.¹⁰

5.1.6 Development and Support of Forest Villagers

The main element of the activity group for supporting forest villages is composed of the cooperative loans provided to individual forest villagers and the cooperative associations established by these villagers among themselves. Forest villagers are supported economically and socially through development of alternative business models and projects with the loans provided.¹¹

5.1.7 Regulation of Forest-Public Relations and Raising Public Awareness

Raising public awareness is of utmost importance in the sustainable management of natural resources. Stakeholders are informed about the products and services offered and in this context, events such as fairs, symposiums and meetings are organized and/or participation in the organized events is ensured. Printed materials such as magazines, books, brochures and posters prepared are distributed to all stakeholders in order to instill love of forests and promote activities. In addition, activities are carried out to ensure that documentaries, introductory films, public service announcements and commercials are broadcast by national or local broadcasting organizations. The means of communication changed are closely monitored and all kinds of promotional materials prepared in this context are delivered to social media users. All kinds of printed and visual materials are used in order to increase love and awareness of forests, both through collaborations with other institutions and organizations and through campaigns.

⁹ Due to the technical and legal problems arising from the separate conduct of forest cadastral studies and land cadastral studies, a revision was made in the Cadastre Law No. 3402, and the studies were brought together and started to be carried out simultaneously.

¹⁰ In accordance with the “Directive No. 3 of 22.12.2020 on Delegations of Authority, Signatures and Division of Labor” and articles 16 and 17/3 of the Forest Law, the power to grant permission was changed and the permission processes were accelerated.

¹¹ The “Regulation Amending the Regulation on Support Activities for Development of Forest Villagers” was published in the Official Gazette dated April 30, 2020 and numbered 31114 and payment of loan installments to be collected for the 3-month period starting from 01/04/2020 were postponed for 3 months without the requirement of application.

The “Regulation Amending the Regulation on Support Activities for Development of Forest Villagers” was published in the Official Gazette dated August 08, 2020 and numbered 31207 and loan interest was removed from all supports. In addition, a new sub-paragraph was added to the article on loan postponement and it was ensured that it could be postponed “without interest for up to 1 year in the event of any natural disaster”.

The Law on the Restructuring of Certain Receivables and Amendment of Certain Laws (Law No: 7256) was published in the Official Gazette dated November 17, 2020 and numbered 31307, allowing the loans of forest villagers and cooperatives in a difficult situation to be restructured with 3% interest .

5.2 Development and Expansion of Forests

Developing existing forests and increasing their productivity and expanding forest areas by establishing new forests on suitable lands constitute the second basic activity group of our forestry.

5.2.1 Forest Maintenance, Regeneration and Rehabilitation

Forest maintenance measures are silvicultural practices that require different technical interventions depending on the stage of stand development. The main purpose of the practices is to ensure that the economic, ecological and social functions enabled by the current ecological conditions are produced in forests at the lowest cost, in the highest quality and quantity, in a way that constantly meets the needs of the society, and to create forests that are resistant to external effects and that can fulfill these functions in the best way. In this context, they are implemented in line with the work programmes prepared every year.

5.2.2 Afforestation

The implementation process of the “Industrial Afforestation Action Plan (2013-2053)”, which was prepared for the sustainable management of our country’s forest resources and to meet the wood raw materials required by the forest industry, is ongoing, and the activities carried out for the purpose of diversifying the income sources of the rural population and contributing to the country’s economy are planned and finalized within the framework of the prepared action plans and work programmes.

5.2.3 Sapling and Seed Production

Saplings are produced in 137 forest nurseries established on an area of 3,270 hectares, and 1,000 different types of saplings are produced, consisting of ornamental plants and coniferous and deciduous forest tree species, especially black pine, yellow pine, red pine and stone pine, etc. The seeds needed for sapling production are obtained from seed stands and seed orchards consisting of high-quality trees, and throughout the country, 336 genetically conserved forests with an overall area of 43,897.1 hectares and a core area of 23,801.3 hectares from 62 tree species, 318 seed stands from 32 tree species with an overall area of 41,880.1 hectares and a core area of 17,439.1 hectares, a total of 22 seed plantations from 17 tree species with an area of 62.75 hectares, 37 trial areas from 4 tree species with an area of 125.9 hectares, 185 seed orchards from 12 tree species with a total area of 1,443.3 hectares, and a total of 24 clone parks from 6 tree species with an area of 63.7 hectares were established.¹²

5.2.4 Conservation, Development and Effective Use of Soil Resources

In addition to erosion control activities, flood, avalanche and landslide control and pasture improvement activities are carried out. The “Çoruh River Basin Rehabilitation Project” and the “Murat River Basin Rehabilitation Project”, which were prepared based on the experiences gained from the “Eastern Anatolian Water Basins Rehabilitation Project” and “Anatolian Water Basins Rehabilitation Project”, which handled the rehabilitation of natural resources within the basin integrity, were put into practice in 2012. Erosion control and flood/avalanche/landslide control and pasture improvement activities carried out within the scope of both integrated basin improvement projects are also included in the scope of activities.¹³

¹² Considering the ecological situation of our country and the distribution of nurseries, there are Seed Stock Centers with a capacity of approximately 320 tonnes in 21 Regional Directorates of Forestry.

¹³ Avalanche control activities were included in the scope of the activities since 2009, landslide control activities, since 2012, and flood control activities, since 2019, and the activities carried out within the scope of the “Protocol on Soil Conservation Activities to be Carried Out in Pasture Areas for Afforestation Mobilization” were also evaluated within the scope of the activity. In addition, two new integrated basin projects, the Bolaman River Basin Rehabilitation Project and the Çekerek River Basin Rehabilitation Project, were launched in 2020 and feasibility studies are ongoing.

5.3 Management of Forests

Addressing the economic, ecological, social and cultural functions of forests within an ecosystem integrity and managing forests according to sustainable forest management principles constitute another activity group of our forestry.

5.3.1 Planning of Forests

According to the Forest Law No. 6831, all forests are managed and operated according to management plans. In order to meet the society's demand for forest products and to ensure sustainable management of forests by taking into account silvicultural requirements of forests, the priority functions of forests and forest resources should be determined with participatory approaches and the continuity of utilization should be ensured; first of all, it depends on the continuity of forest resources, and the continuity of forests depends on a planned forest management. In this respect, making forest management plans or having them made, monitoring and controlling the implementation process, as well as preparing inventory data required by forestry services are among the priority areas of activity of the General Directorate of Forestry.

5.3.2 Production and Marketing of Wood-Based Forest Products

As a result of forestry activities carried out in forest areas within the framework of forest management plans, forest products such as logs, utility poles, mine poles, industrial wood, pulpwood, fiber-chip wood, stakes, sticks and firewood are supplied and these products are used for construction, furniture, mining, fiberboard and chipboard and paper industries and other wood-based industries. Since the production and marketing process in forestry is an economic activity, it is of great importance that these activities are carried out in a free market economy in accordance with economic rules.¹⁴

5.3.3 Production and Marketing of Non-Wood Forest Products

Our forests, which have a rich biodiversity, also have a significant potential in terms of non-wood forest products. Necessary studies are carried out in order to ensure sustainable production of non-wood forest products and to protect biodiversity in forest areas, and action plans prepared in this context are implemented.

5.3.4 Strengthening the Forestry Infrastructure

Forest roads provide services for the performance of many forestry activities such as protection, production and maintenance, and the activities for building of new forest roads, construction of superstructures and engineering structures needed to keep the forest roads accessible, maintenance and repair of the forest roads and standardization of nonstandard forest roads are carried out within the framework of the programmes prepared every year.

5.3.5 Other Products and Services

The functional benefits obtained from wood-based and non-wood products produced from forests are increasingly being recognized by wider segments of society. Also, activities on water production, which is derived as an output and is considered as an increasingly important topic on the agenda recently, water quality improvement, and functions related to biomass and carbon storage in forests and oxygen production are important topics.

¹⁴ Communiqué No. 288, which regulates the production process of wood-based forest products, was repealed as of 01.01.2020, and Communiqué No. 310 was put into effect. By the Communiqué No. 310, the work-time tables used in production processes were recreated by taking into account the current conditions, the developments and new approaches, technological developments and the methods applied, and new arrangements were made according to new needs. In addition, e-sales applications were started in 2020, and 190 thousand lots were tendered in 4,485 tenders electronically.

In addition, planning activities for the spread of ecotourism, and identification and planning of recreational areas, completion of infrastructure and superstructure facilities and making them available for public use are also among the activity elements.

6. Management and Internal Control System

The principles and procedures regarding the establishment, organization, duties and authorities of the General Directorate of Forestry are regulated by the “Presidential Decree on the Organization of the Institutions and Organizations Associated, Related and Affiliated to the Ministries and Other Institutions and Organizations”. The duties assigned to the General Directorate of Forestry are carried out by the units and sub-units specified in the organizational structure, under the responsibility of the spending authorities.

In the process of establishing and implementing the internal control system, the studies summarized below were concluded in 2020.

- 1- Considering the Corporate Risk Management Directive, the risks for each target in the strategic plan were identified and control activities were determined.
- 2- The annual evaluation process for sensitive tasks identified on a unit basis was completed considering the Guidance on Determining Sensitive Tasks.
- 3- The “Directive on Internal Control and Preliminary Financial Control of the General Directorate of Forestry”, which was prepared and put into practice within the framework of the Regulation on the Procedures and Principles Regarding Internal Control and Preliminary Financial Control, was revised, updated and published.
- 4- Apart from the controls carried out within the framework of the Regulation on the Procedures and Principles Regarding Internal Control and Preliminary Financial Control, the high-risk documents of the central spending units to be subject to preliminary financial control were re-evaluated in 2020 and the necessary actions/procedures were carried out on the documents to be subject to control and 56 commitment documents and draft contracts and 198 payment order documents were found appropriate and/or confirmed, and also 3 preliminary tender permission procedures were carried out.
- 5- Quality Management System ISO 9001:2015 has been updated; in this process, “ISO 9001 Quality Management System Trainings” were started. Also risks and performance criteria related to the processes were monitored, and the certificate renewal audit was completed successfully.
- 6- A working group was established within the scope of the corporate identity study and the “OGM 1839” logo was registered.
- 7- Within the scope of the Mitigation of Bureaucracy and Digital Türkiye Project, the list of services offered to citizens, private sector, non-governmental organizations or other public institutions and identified electronically with the service inventory number and general information regarding them were updated and user identifications were made in the National Data Dictionary system developed by the Digital Transformation Office of the Presidency and the 1st and 2nd phase studies were concluded.
- 8- Within the framework of the Official Statistics Programme carried out by the Turkish Statistical Institute and Ministry of Agriculture and Forestry, “2019 Forestry Statistics” have been published.

In the 2019 Regularity Audit process conducted by the Court of Accounts, the activities carried out and the results achieved regarding the internal control system were evaluated, and it was stated that “..... high-level development of the internal control system is achieved, the application of internal control mechanisms is established; however there are areas that need to be improved in practice...”

II.GOALS AND TARGETS

A. Goals and Targets of the Administration

The **mission** of the General Directorate of Forestry in the 2019-2023 Strategic Plan is “to protect forests and forest resources, to develop them with an understanding close to nature, and to manage them in a way that is sustainable and provides multifaceted benefits to the society within the integrity of the ecosystem”, and its **vision** is “to be a leading institution in sustainable forest management practices”, and the following strategic goals and targets have been determined.

STRATEGIC GOAL (G1): TO PROTECT FORESTS AND FOREST RESOURCES AGAINST BIOTIC AND ABIOTIC PESTS

Target (T1.1): Preventive actions will be increased for fight against forest fires and response capacity will be strengthened.

Target (T1.2): The health of forest ecosystems will be monitored, and forest existence and health will be protected by taking natural or nature-friendly preventive actions for disease and pest control.

Target (T1.3): The registration of forest areas with finalized cadastre will be ensured and ownership problems will be resolved.

Target (T1.4): Socio-economic development in forest villages will be supported.

STRATEGIC GOAL (G2): TO DEVELOP FORESTS, INCREASE THEIR PRODUCTIVITY AND EXPAND THEIR AREAS

Target (T2.1): Wood quality and seed and fruit productivity will be increased, and silvicultural maintenance measures for the establishment of healthy forests will be increased.

Target (T2.2): Productive forest area will be increased to 14,000,000 hectares.

Target (T2.3): The implementation rate will be increased from 9% to 100% in a total potential area of 330,000 hectares determined to be suitable for industrial afforestation.

Target (T2.4): Our forest presence will be increased to 30% of the total area of the country.

Target (T2.5): Erosion will be controlled and pasture improvement activities will be developed to reduce soil loss.

STRATEGIC GOAL (G3): TO ENSURE THAT THE SOCIETY BENEFITS FROM THE GOODS AND SERVICES PRODUCED BY FORESTS AT THE OPTIMUM LEVEL

Target (T3.1): In accordance with the multi-purpose utilization of 6,868,000 hectares of forest area, inventory will be prepared and the management plan will be renewed.

Target (T3.2): Quality and productivity of wood-based forest products will be increased, costs will be reduced and sustainable competition will be ensured in domestic and foreign markets.

Target (T3.3): Ecotourism services will be expanded, and non-wood forest product diversity and production will be increased.

Target (T3.4): Considering national conditions and international developments, a standardization and certification system will be developed for forest products, and the area of certified forests will be increased.

STRATEGIC GOAL (G4): TO IMPROVE INSTITUTIONAL CAPACITY

Target (T4.1): Research and development projects will be prepared and implemented to solve problems in the field of forestry, to develop new techniques and to ensure effective governance. -

Target (T4.2): In order to ensure institutionalization in strategic management, the financial, legal, administrative and human resources will be developed.

Target (T4.3): Information systems and technology infrastructure will be completed, and forest information system will be developed and expanded.

B. Other Considerations

Basic policies, priorities and targets related to forestry and forest resources management are included in the ongoing development plans and programmes as summarized below.

Eleventh Development Plan ¹⁵

Policies	Measures
415. The contribution of forests to the economy will be increased through sustainable forest	<p>415.1. The National Forest Inventory study will be completed.</p> <p>415.2. Capacity to fight diseases and pests and fires in forestry will be strengthened.</p> <p>415.3. Forest villagers will continue to be supported within certain programmes, and professionalization will be increased through training activities to ensure increased quality production and labor productivity in forestry.</p> <p>415.4. Establishment of industrial plantations will be enabled with fast-growing species in order to meet the need for wood raw materials.</p> <p>415.5. The use of wood will be expanded and its standards will be identified.</p>

Medium-Term Programme ¹⁶

Actions and Projects	Planned Completion Date
The economic, ecological and socio-cultural added value of the forests will be increased by preserving their sustainable structure, and an Industrial Plantation Master Plan will be prepared to increase the species and quantity of valuable trees.	December 2020

2020 Presidential Annual Programme ¹⁷

Policies	Measures	Activities
415. The contribution of forests to the economy will be increased through sustainable forest management.	415.4. Establishment of industrial plantations will be enabled with fast-growing species in order to meet the need for wood raw materials.	<p>1. Legislative arrangements will be completed to encourage the private sector.</p> <p>2. Industrial plantation will be carried out on an area of 20 thousand hectares, maintenance work will be carried out on an area of 35 thousand</p>

Targets		2018	2019 Realization Estimated	2020 Programme
Pasture Improvement and Management Area (Cumulative)	Thousand hectares	68	150	240
Ratio of Forest Areas to the Area of the Country	Percent	29.0	29.2	29.4

2020 Performance Programme

Programme Name	Sub-Programme Name	Activities
Protection and sustainable management of forests and nature	Protection of forests and forest resources	<p>1. Fighting Forest Fires</p> <p>2. Protection of Forests against Unlawful Interference and Forest Pest Control</p>
	Development and expansion of forests	<p>1. Afforestation and Sapling and Seed Production</p> <p>2. Forest Maintenance,</p>

¹⁵ The Eleventh Development Plan was approved by the General Meeting of the Turkish Grand National Assembly at its 105th session dated 18.07.2019, and published in the Official Gazette dated 23 July 2019 and numbered 30840 (Repeated).

¹⁶ Decision on Approval of the Medium-Term Programme (2020-2022) (Decision Number: 1618) was published in the Official Gazette dated 4 October 2019 and numbered 30908 (Repeated).

¹⁷ 2020 Presidential Annual Programme was published in the Official Gazette dated 04 November 2019 and numbered 30938 (Repeated).

Programme Name	Sub-Programme Name	Activities
Protection and sustainable management of forests and nature	Management of forests	1. Management Activities 2. Wood Production, Standardization and Certification 3. Evaluation and Expansion of Non-Wood Forest Products and Services 4. Services related to Forest Roads
Use and management of soil and water resources	Conservation, development and effective use of soil resources	1. Combating Desertification and Erosion 2. Pasture Improvement Activities
Rural development	Development and support of forest villagers	1. Support of Forest Villagers
Management and Support Programme	Inspection, audit and consulting services	1. Legal Counseling and Litigation Services 2. Internal Audit 3. Corporate International Cooperation Activities 4. Inspections, Examinations and Investigations
	Senior management, administrative and financial services	1. Activities Related to Information Technology 2. Other Support Services 3. General Support Services 4. Activities Related to Human Resources Management 5. Private Secretarial Services 6. Strategy Development and Financial Services

III. INFORMATION AND ASSESSMENTS RELATED TO ACTIVITIES

A. Financial Information

1. Budget Implementation Results

In 2020, a total of TRY 3,484,151,000 was allocated to our General Directorate with the Central Administration Budget Law, and the year-end appropriation was increased to TRY 4,133,332,731 as a result of the additions and transfers carried out during the year.¹⁸

Table 16: Economic Classification of Budget Expenses, 2020

Expense Type	Budget Appropriation	Transfers		Blocked	Year-End Appropriation	Year-End Expenditure	Balance
		Added	Deducted				
01 Personnel Costs	2,043,360,000	4,769,000			2,048,129,000	1,925,179,963	122,949,037
02 Social Security Institution State	432,150,000	659,000			432,809,000	411,210,846	21,598,154
03 Goods and Services	228,647,000	302,534,400			531,181,400	514,822,864	16,358,536
05 Current Transfers	106,172,000	20,080,000			126,252,000	124,737,752	1,514,248
06 Capital Expenditure	452,160,000	297,572,731	44,631,900		705,100,831	640,282,453	64,818,378
07 Capital Transfers	59,862,000	34,900,000			94,762,000	92,453,563	2,308,437
08 Loaning	161,800,000	33,298,500			195,098,500	194,066,349	1,032,151
TOTAL	3,484,151,000	693,813,631	44,631,900		4,133,332,731	3,902,753,790	230,578,941

¹⁸ In the new State Accounting Information System, the offset period processes and transactions are continued. In this respect, the special budget financial statements could not be reflected in the activity report. The data under the title Financial Information/Budget Implementation Results were retrieved from the e-budget records. 11/02/2021

Main service units and implementation units are under the Economic Affairs and Services function, and 99% of the total use of appropriation was realized under this functional code.

Table 17: Functional Classification of Budget Expenses, 2020

Function et	Budg Appropriation	Transfers		Blocked Year-End Appropriation	Year- End Expenditure	Balance
		Added	Deducted			
01 General Public Services	19,032,000	14,135,000		33,167,000	28,863,428	4,303,572
02 Defense Services	16,000			16,000	13,412	2,588
04 Economic Affairs and Services	3,465,103,000	679,678,631	44,631,900	4,100,149,731	3,873,876,950	226,272,781

The cash realization rate of the Economic Affairs and Services Function was 94% and the same rate was 87% in General Public Services and 84% in Defense Services.

Table 18: Budget Appropriation and Expenditure Amounts by Units, 2020

Expenditure Unit		Budget Appropriation	Year-End Appropriation	Year-End Expenditure	Balance
40.17.00.02	Private Secretarial Services	2,188,000	2,305,000	2,076,591	228,409
40.17.00.04	Department of Support Services	12,174,000	21,155,400	13,875,011	7,280,389
40.17.00.05	Department of Personnel	104,310,000	122,390,000	121,768,618	621,382
40.17.00.10	Department of Information Systems	18,397,000	34,027,000	20,916,075	13,110,925
40.17.00.12	Department of Foreign Relations, Training and Research	5,849,000	6,109,000	5,820,898	288,102
40.17.00.20	Department of Inspection Board	17,164,000	17,703,500	17,364,796	338,704
40.17.00.23	Department of Strategy Development	3,604,000	3,604,000	3,319,001	284,999
40.17.00.24	Department of Legal Consultancy	1,402,000	1,432,000	1,401,691	30,309
40.17.00.61	Regional Directorates of Forestry- Research Institute Directorates	3,036,637,000	3,368,099,831	3,176,066,444	192,033,387
40.17.31.00	Department of Cadastre and Ownership	26,667,000	27,022,000	25,178,782	1,843,218
40.17.32.00	Department of Forest Management and Planning	12,943,000	10,683,000	9,771,903	911,097
40.17.33.00	Department of Operations and Marketing	2,776,000	2,776,000	2,628,477	147,523
40.17.34.00	Department of Silviculture	1,315,000	1,445,000	1,419,347	25,653
40.17.35.00	Department of Construction and Procurement	3,012,000	3,369,000	3,338,655	30,345
40.17.36.00	Department of Forest Pest Control	7,543,000	7,820,000	7,776,886	43,114
40.17.37.00	Department of Fighting Forest Fire	184,643,000	420,323,000	419,209,000	1,114,000
40.17.38.00	Department of Afforestation	10,768,000	12,465,000	10,510,312	1,954,688
40.17.39.00	Department of Soil Conservation and Basin Improvement	13,277,000	27,429,000	21,958,435	5,470,565
40.17.40.00	Department of Forest and Village Relations	12,406,000	29,084,000	24,456,902	4,627,098
40.17.41.00	Department of Non-Wood Products and Services	2,228,000	2,692,000	2,675,163	16,837
40.17.42.00	Department of Nursery and Seed Operations	1,698,000	8,136,000	7,976,966	159,034
40.17.43.00	Department of Permission and Easement	3,150,000	3,263,000	3,243,837	19,163
TOTAL		3,484,151,000	4,133,332,731	3,902,753,790	230,578,941

Table 19: Economic Classification of Budget Expenses, 2018-2020

Expense Type		2018	2019	2020
01	Personnel Costs	1,575,626,895	1,845,844,648	1,925,179,963
02	Social Security Institution State Premium Costs	344,380,967	390,359,912	411,210,846
03	Goods and Services Procurement Costs	244,574,261	279,740,445	514,822,864
05	Current Transfers	95,105,008	122,118,827	124,737,752
06	Capital Expenditure	903,904,968	635,680,534	640,282,453
07	Capital Transfers	40,714,955	56,772,810	92,453,563
08	Loaning	128,495,737	164,114,862	194,066,349
TOTAL		3,332,802,791	3,494,632,038	3,902,753,790
NET FUNDING		-1,000,000	-10,000,000	-10,000,000

In the initial budget, the total of own revenues is TRY 2,200,000,000 and corresponds to 63% of total expenses. In other words, it was planned to finance 63% of the expenses to be made in 2020 from own revenues; as of the end of the year, own revenues were TRY 2,618,410,426 and expenses were TRY 3,902,753,790, and the coverage ratio of own revenues to expenses was 67%.

Table 20: Economic Classification of Budget Revenues, 2018-2020

Revenues	2018	2019	2020	
			Planned	Realization
03 Revenues from Enterprises and Properties	1,395,609,538	1,830,230,985	1,642,880,000	1,988,067,890
04 Donations and Aids Received and Special Revenues	1,148,808,273	993,251,066	1,284,151,000	1,154,550,699
05 Other Revenues	515,086,152	477,543,838	538,940,000	508,702,799
06 Capital Gains	265,064	19,275	40,000	122,514
08 Collection from Receivables	29,144,068	57,836,284	8,140,000	63,867,844
TOTAL	3,088,913,095	3,358,881,448	3,474,151,000	3,715,311,746

The total of own revenues amounted to TRY 2,618,410,426 including:

- Permit revenues from forest areas of TRY 1,936 million,
- State right revenues from mines of TRY 27 million,
- Forest villagers support fund revenues of TRY 91 million,
- Afforestation fund revenues of TRY 296 million,
- Total of other own revenues of TRY 268 million.

In addition, TRY 1,096,901,320 of the total treasury aid of TRY 1,274,151,000 was collected.

2. Revolving Fund Implementation Results

In 2020, the total revenue budget was estimated to be TRY 6,400,000,000 including goods and services revenues of TRY 6,165,642,227, capital income of TRY 5,938,000 and other revenues of TRY 284,419,773, and a revenue budget of TRY 6,910,601,000 was created with additional budgets made during the year upon positive developments in the market of forest products, and TRY 7,238,559,000 was realized at the end of the year.

Table 21: Revolving Fund Revenues, 2020

Revenues	2020	
	Revised Budget	Realization
Revenues from Forest Products Sales	6,550,601,000	6,780,020,000
Revenues from Sapling Sales	50,000,000	120,105,000
Non-Wood Revenues	60,000,000	72,732,000
Other Revenues	250,000,000	265,702,000
TOTAL	6,910,601,000	7,238,559,000

In return for projected revenues, an expense budget of TRY 6,910,601,000 was projected, including investment expenses of TRY 761,872,000 and current expenses of TRY 6,148,729,000.

Table 22: Revolving Fund Expenses, 2020

Expenses	2020	
	Revised Budget	Realization
01 Personnel Costs	1,544,710,755.04	1,544,710,755.04
01.01 Officers	509,418,859.83	509,418,859.83
01.02 Contract Employees	292,475,984.79	292,475,984.79
01.03 Workers	739,947,589.43	739,947,589.43
01.04 Temporary Employees	2,868,320.99	2,868,320.99
02 Social Security Institution State Premium Costs	223,452,425.89	223,452,425.89
02.01 Officers	23,148,203.76	23,148,203.76
02.02 Contract Employees	34,015,375.29	34,015,375.29
02.03 Workers	166,288,846.84	166,288,846.84
03 Goods and Services Procurement Costs	3,954,512,631.26	3,724,623,846.21
03.01 Goods and Materials Procurement for Production	3,770,039.28	3,770,039.28
03.02 Goods and Materials Procurement for Consumption	327,879,465.88	327,879,465.88
03.03 Travel Expenses	27,770,529.02	27,770,529.02
03.04 Mission Expenses	66,562,506.36	66,562,506.36
03.05 Service Procurement	3,039,305,157.38	2,809,416,372.33
03.06 Representation and Promotional Expenses	22,280,304.47	22,280,304.47
03.07 Movable Goods and Intangible Rights Purchase, Maintenance and	221,275,668.38	221,275,668.38
03.08 Real Estate Maintenance and Repair Expenses	245,668,960.49	245,668,960.49
05 Current Transfers	426,053,187.81	426,053,187.81
05.01 Mission Losses	5,769,864.17	5,769,864.17
05.03 Aid to Non-Profit Organizations	999,721.98	999,721.98
05.08 Shares from Revenues and Profits	406,603,601.66	406,603,601.66
05.09 Other Transfers	12,680,000.00	12,680,000.00
06 Capital Expenditure	761,872,000.00	708,508,364.26
06.01 Finished Goods Procurement	410,833,804.67	410,833,804.67
06.02 Securities Production Expenses	92,316,051.99	92,316,051.99
06.03 Purchases of Intangible Rights	13,575,770.19	13,575,770.19
06.05 Real Estate Capital Production Expenses	221,515,426.29	168,151,790.55
06.07 Real Estate Major Repair Expenses	23,630,946.86	23,630,946.86
TOTAL	6,910,601,000.00	6,627,348,579.21

3. Descriptions regarding Key Financial Statements

The 2020 year-end special budget appropriation used was TRY 3,902,753,790, and the ratio of budget expenditure to the initial budget was 112% and the ratio to the year-end budget was 94%.

A transfer was made in the necessary economic codes as of the first level during the year. In this context, the expenditure rate in personnel costs was 94%, in state premium expenses paid to social security institutions

95%, in goods and services procurement expenses 97%, in current transfers 99%, in capital expenditure 91%, in capital transfers 98% and in loaning 99%. In order to cover some expenses, revenue surplus possibilities were evaluated, and again, budgetary transfers were made to transfer appropriations that could not be used to the compositions needed. Except for conditional donations and transfers;

- An appropriation of a total of TRY 693,813,631 was added to the budget, including TRY 4,769,000 for personnel costs, TRY 659,000 for state premium expenses paid to social security institutions, TRY 302,534,400 for goods and services procurement expenses, TRY 20,080,000 for current transfers, TRY 297,572,731 for capital expenditure, TRY 34,900,000 for capital transfers, and TRY 33,298,500 for loaning, and an appropriation of TRY 44,631,900 was deducted from capital expenditure.

Information on important expenditure items to which appropriations were added during the year is provided below.

- Appropriation of TRY 163,272,000 was added to the Forest Development and Expansion Project, resulting in a 98% year-end cash realization rate of the project.
- Appropriation of a total of TRY 16,678,000 was added including TRY 9,696,000 for the Murat River Basin Rehabilitation Project and TRY 6,982,000 for the Çoruh River Basin Rehabilitation Project. The total year-end realization rate of the two projects was 82%.
- Regarding the goods and services procurement expenses, an appropriation of TRY 302,534,400 was added to the relevant budget arrangement and the year-end realization rate was 97%.
- Regarding the capital expenditure, an appropriation of TRY 252,940,831 was added to the relevant budget arrangement and the year-end realization rate was 91%.
- Regarding the mission losses, an appropriation of TRY 18,080,000 was added to the relevant budget arrangement and the year-end realization rate was 100%.

First of all, the conditional donation of TRY 15,580,622, which was not used even though it was appropriated in the 2019 special budget, was transferred as the appropriation in 2020¹⁹, and the conditional donation of TRY 41,690,209 made in 2020 was duly appropriated. In this context, the total amount recorded as an appropriation for afforestation in 2020, although not proposed in the budget, was TRY 57,270,831. Of the aforesaid amount, TRY 30,779,206 was used in afforestation activities, and the remaining TRY 26,491,625 was transferred to 2021.

4. Financial Audit Results

In the “2019 Regularity Audit Report of the General Directorate of Forestry” prepared as a result of the audit carried out by the Court of Accounts in order to determine the compliance of the accounts and transactions of the General Directorate of Forestry with the laws and other legal regulations, to have reasonable assurance that the financial reports and statements accurately and reliably reflect the results of all activities and transactions, and to evaluate the financial management and internal control systems, no audit findings have been identified and it has been concluded that the financial reports and statements for 2019 contain accurate and reliable information in all essential aspects.

As a result of the 2019 Regularity Audit of the General Directorate of Forestry Revolving Fund Enterprise, it has been concluded that the financial reports and statements for 2019 contain accurate and reliable information in all essential aspects except for the accounting areas listed below and specified in the section “basis for audit opinion”.

Basis for Audit Opinion	Activities Initiated and/or Concluded for Detection
Recording of Purchases of Intangible Rights and Purchases of Maps, Plans and Projects in the Expenses Account Instead of the Rights Account	Purchases of computer software, maps, plans and projects were recorded in the “260-Rights” account.
<p><i>It was observed that purchases of intangible rights such as computer software, etc. and purchases of maps, plans and projects should have been recorded in the 260-Rights account, however they were recorded in the 770-General Administrative Expenses account.</i></p>	

¹⁹ Conditional donations received for afforestation are primarily recorded as revenues in table “B” and an appropriation record is entered in the budget. The unused portions are transferred to the appropriation in accordance with the legislation.

Basis for Audit Opinion**Activities Initiated and/or Concluded for Detection**

Failure to Record Movable Properties in Movables System and in the Related Tangible Fixed Assets Accounts

It was observed that many different types and amounts of movable properties purchased by the Revolving Fund Central Directorate were not entered into the movables system; moreover, they were recorded in the 770-General Administrative Expenses account instead of the tangible fixed assets accounts they were related to.

Some Expenses Included in the Financial Statements of the Central Revolving Fund Enterprise Are Not Related to the Revolving Fund Field of Activity

It was observed that some various expenses paid for are not related to the revolving fund field of activity.

The Movables Module was completed and movables transaction receipts were started to be issued for movable properties and materials purchased by the Revolving Fund Central Directorate.

A study was initiated to cover the expenses to meet the various needs of the Ministry personnel and the personnel assigned abroad and the Ministry units from special budget accounts, and communication, water and electricity expenses and telephone landline expenses were transferred to the special budget.

B. Performance Information**1. Programme, Sub-Programme and Activity Information****1.1 Protection and Sustainable Management of Forests and Nature****1.1.1 Protection of Forests and Forest Resources****1.1.1.1 Fighting Forest Fires**

In order to fight forest fires effectively, the Action Plan for Fighting Forest Fires was prepared and the activities summarized below were carried out during the pre-fire preparation process.

- In order to provide training to and raise awareness of the public against forest fires in the locations determined as special regions for fire prevention, trainings were organized for various non-governmental organizations, hunters, shepherds and farmers, students, military units, local fire departments and forest villagers, and meetings and introductory trips were held with press organizations.
- Fire management plans²⁰ were prepared, and plans were made to prevent possible fires and to respond to fires in a way so as to minimize damages, and it was proposed to protect the ecological, biological, landscape and cultural resource values of the area and to ensure the continuity of the ecosystem.

The physical measures taken for the organization of fighting forest fires and the activities to minimize the damages that will occur both during and after the fires were concluded in accordance with the annual programmes.

- Among the personal protective equipment, 13,599 fire-resistant suits and 16,244 pairs of fire-resistant boots were procured through open tender and distributed to the relevant units.
- 34 fire management vehicles, 191 sprinklers, 5 water supply vehicles and various machinery and equipment were purchased; 27 helicopters, 2 amphibious aircraft and 1 unmanned aerial vehicle were rented for use in aerial forest fire extinguishing services.
- In order to monitor forest fires and respond to them in a shorter time, the Vehicle Tracking System and Camera Surveillance System were used effectively, and 27 water-throwing firefighting helicopters were fitted with cameras to enable central monitoring of fires.
- A digital wireless communication system was commissioned in all forest district directorates of the Antalya Regional Directorate of Forestry. In addition, the purchase of 100 binoculars was finalized and made available to the regional directorates of forestry, the installation of the “Fire-Cell System” was started and 2 mobile solar energy systems and 2 mobile camera surveillance systems were purchased during the year.

²⁰ Fire Management Plans, main purpose of which is to “minimize the potential forest fire risk and danger through training, awareness raising activities and area-specific flammable material applications, to reduce fire-related carbon emissions, to protect biodiversity and to protect the people living within the planning unit against being harmed by fires”, regulate the activities and practices for fire prevention, fire preparedness, fire fighting and use of fire as a management tool.

- Forest Fire Risk Maps were completed for all regional directorates of forestry and the tender phase was reached for the “Forest Fire Decision Support Software”. In addition, studies on long-term forest fire analysis were initiated.

By taking physical measures for fighting fires, 3,399 forest fires were responded to and 20,971 hectares of forest area was damaged during the year.

Table 23: Numeric Distribution of Causes of Forest Fires, 2016-2020

Causes of Fire Outbreak	Unit	2016	2017	2018	2019	2020
Deliberate	Number	157	151	94	124	72
Negligence/Carelessness/Accide	Number	990	721	676	883	1,156
Natural	Number	310	259	400	372	312
Undetermined Cause	Number	1,731	1,280	997	1,309	1,859
TOTAL	Number	3,188	2,411	2,167	2,688	3,399

Table 24: Areal Distribution of Causes of Forest Fires, 2016-2020

Causes of Fire Outbreak	Unit	2016	2017	2018	2019	2020
Deliberate	Hectare	240	621	179	686	718
Negligence/Carelessness/Accide	Hectare	5,222	7,152	2,120	6,529	8,285
Natural	Hectare	170	84	142	373	197
Undetermined Cause	Hectare	3,524	4,136	3,203	3,744	11,771
TOTAL	Hectare	9,156	11,993	5,644	11,332	20,971

Within the scope of the “Project for Rehabilitation of Burned Areas and Establishment of Fire-Resistant Forests (YARDOP)” initiated in 2010, a study was carried out on an area of 3,050 hectares, as compared to the programme of 4,000 hectares, and 278 km of fire prevention was ensured in 2020.

1.1.1.2 Protection of Forests against Unlawful Interference and Forest Pest Control

A fight against harmful species seen in our forests was carried out on an area of 247,772 hectares in 2020.

Table 25: Forest Pest Control Implementation Areas and Costs, 2016-2020

	Unit	2016	2017	2018	2020		
					Quantity	TRY	
Biological Control	Hectare	89,570	88,233	88,096	88,835	93,790	4,398,071
Biotechnical Control	Hectare	76,310	87,635	84,521	79,273	106,198	2,855,088
Mechanical Control	Hectare	53,928	57,830	87,438	35,482	45,725	2,787,013
Chemical Control	Hectare	2,785	1,320	1,188	1,586	2,059	583,326

As part of biological control, 61,327 bird nests were hung in our forests and 106 ants were transported. In addition, 626,284 predatory insects were produced and released into diseased areas, and 1,200 islets/wire cages were established in areas where pine processionary caterpillars were seen.

In order to provide quality scientific data based on national, long-term, large-scale and intensive monitoring on the health and vitality of forests, 13,885 trees were evaluated in 599 Level I permanent observation plots and 7,574 trees were monitored in 52 Level II observation plots established throughout the country.²¹

²¹ In 18 Level II sites where intensive monitoring are performed, sedimentation, litterfall sampling and phenological observations have been carried out by the regional directorates of forestry, and air quality measurements have been carried out by the General Directorate through service procurement, and the analysis results of the collected samples will be reported in 2021. Additionally, studies on ozone damage and coniferous and deciduous tree sampling were conducted in Level II sites where intensive monitoring was carried out, and no surface ozone damage was found.

Table 26: Number of Permanent Observation Plots (POPs) and Trees Evaluated, 2016-2020

	Unit	2016	2017	2018	2019	2020
Level II Permanent Observation Plots	Number	586	598	601	599	599
Trees Evaluated	Number	13,547	13,792	13,973	13,856	13,885
Level II Permanent Observation Plots	Number	52	52	52	52	52
Trees Evaluated	Number	7,730	7,681	7,656	7,637	7,574

The fight against forest crimes was carried out by 3,751 forest guards and 2,727 contract employees working in 2,810 collective protection teams and 13 sensitive area protection teams established throughout the country, and 16,812 crime reports were prepared.

Table 27: Change in Forest Crimes, 2016-2020

Year	Cutting Down		Transporting		Possessing	
	Number of Crimes	m ³	Number of Crimes	m ³	Number of Crimes	m ³
2016	2,891	17,616	658	862	544	680
2017	2,993	20,305	802	1,675	479	798
2018	2,880	26,483	670	1,330	396	813
2019	3,356	33,742	706	1,442	642	1,514
2020	4,532	68,756	786	1,795	701	1,382
Year	Deforestation-Settlement		Occupation		Grazing	
	Number of Crimes	Decare	Number of Crimes	Decare	Number of Crimes	Number of Animals
2016	2,332	12,444	2,996	15,891	1,032	68,466
2017	2,473	11,475	2,241	9,699	1,067	64,010
2018	3,465	14,362	3,221	11,682	818	45,821
2019	3,550	13,494	3,549	12,864	834	52,385
2020	5,096	22,707	4,642	17,371	962	65,265
Year	Consumption		Hunting Crimes		Total	
	Number of Crimes	m ³	Number of Crimes	Number of Animals		
2016	68	149	8		10,529	
2017	68	104	3		10,126	
2018	58	143	2	45	11,510	
2019	96	252	2	150	12,735	
2020	92	146	1		16,812	

A total of 495 village legal entities were cooperated with for the protection of regeneration maintenance areas and cultivation areas during the year, and resources of TRY 7,376,432 were transferred to the villagers.

1.358 By completing the 2/B application in 1,358 units and revision application in 205 units, 6,000 hectares of land has been taken out of the forest boundaries within the scope of 2/B application of the Forest Law No. 6831 as amended by the Law No. 3302.

Table 28: Forest Cadastre Project Implementation Results, 2020

	Unit	Revision	2/B	Total
Programme of the Year	Number/Unit	596	1,458	2,054
	TRY			25,000,000
Implementation Result	Number/Unit	205	1,358	1,563
	TRY			23,181,101 ²²

²² TRY 9,400,000 of the appropriation of TRY 23,181,101 spent, was transferred to the General Directorate of Land Registry and Cadastre for digitization and registration works.

Permission requests other than forestry activities in areas considered as forests were evaluated during the year and submitted to the Ministry's committee in accordance with the Presidential Circular No. 2018/8, and requests that are approved were subject to permission.

The summary information of the works carried out to raise and spread the love of forests and environmental awareness, to promote our forests and forestry services to the masses, and to continuously inform the society about forests and forestry-related issues is provided below.

- Plays about love of nature and forests were performed by the “Sincap Children Forest Theater”, 578 elementary school students were reached through theater, and a total of 120,000 magazines were delivered to elementary school children, especially in rural areas. In addition, a total of 2,000 magazines in Braille alphabet were printed and distributed to visually impaired children.
- A total of 4,461 books/booklets of 55 types, a total of 2,750 posters of 25 types, and a total of 302,060 brochures of 6 types were used to continuously inform the society about forests and forestry
- 590 local events and organizations (opening ceremonies, congresses, fairs, exhibitions, meetings, etc.) were attended, and approximately 11,247 people were reached through forest camps and trips, and forest embracing and nature walks.
- Within the scope of the Project “Sow a Seed and Let It Become a Sapling”, which is carried out in coordination with the Ministry of National Education, biodegradable sapling containers with seeds were distributed to approximately 12 million students studying in primary and secondary schools in order to instill a love of nature and forests, to increase their level of awareness and to raise awareness.
- Within the scope of the projects carried out with international organizations such as GEF and UNDP; school supplies such as school bags, water bottles, erasers and pencil cases were sent to elementary school students and promotional activities were supported.
- 15 Promotional and Advertising Films, 9 Public Service Announcements and 5 Documentary Films were broadcast on social media and television in order to inform our people, and forest sports clubs of various branches within the regional directorates of forestry were supported.
- Different target audiences were reached with a single voice through promotional presentations prepared for creation of corporate identity and for promotional purposes.
- November 11 “National Afforestation Day” and “Breath for the Future and Green Homeland” campaigns were organized and the institutional activities were promoted with digital, social media, television and radio advertisements.

1.1.2 Development and Expansion of Forests

1.1.2.1 Afforestation and Sapling and Seed Production

Within the scope of the projects included in the investment programme 2020, a survey-project of 155,382 hectares, a total of 28,632 hectares of afforestation, including 19,312 hectares of industrial afforestation, and 152,200 hectares of afforestation maintenance activities were carried out.²³

Table 29: Results of Afforestation Activities, 2016-2020

	2016	2017	2018	2019	2020			
					Programme		Implementation	
					Hectare	TRY	Hectare	TRY
Survey-Project	409,712	493,666	356,029	180,684	106,948	1,187,500	155,382	1,578,373
Afforestation	48,230	46,934	45,015	17,871	27,446	199,352,000	28,632	176,307,185
Afforestation Maintenance	146,558	162,921	165,126	153,428	152,850	108,767,000	152,200	127,605,762

For special afforestation activities, a grant of TRY 36,154,188 was allocated to the projects of village legal entities and a loan of TRY 68,489 was allocated to the projects of natural and legal entities, and 4,374 hectares of special afforestation activities were completed.

Table 30: Results of Special Afforestation Activities, 2016-2020

Unit	2016	2017	2018	2019	2020
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²³ 9,056 hectares of afforestation and 121,651 hectares of afforestation maintenance activities were completed for the Forest Development Project, 19,312 hectares of industrial afforestation and 27,549 hectares of industrial afforestation maintenance were completed for the Industrial Plantation Project, 155 hectares of afforestation and 3,000 hectares of afforestation maintenance activities were completed for the Murat River Basin Rehabilitation Project, and 109 hectares of afforestation activities were completed by the other institutions.

Special Afforestation	Hectare	3,245	1,361	2,468	3,692	4,374
Grants	Thousand TRY	511	1,827	9,244	16,826	36,154
Loans	Thousand TRY	11,599	10,017	2,113	949	68

In addition, within the scope of special area afforestation, 313,343 tall saplings were planted in 1,194 university and school gardens, 314,942 tall saplings were planted in 281 worship place gardens and 325 cemeteries, 55,623 tall saplings were planted in 89 hospital and health center gardens, and 419,607 tall saplings were planted along 346 km of highways and village roads.

Sapling production is carried out in 137 forest nurseries established on an area of 3,270 hectares and new nurseries are established according to needs.

Table 31: Production and Use Capacity of Nurseries, 2016-2020

	Unit	2016	2017	2018	2019	2020
Number of Nurseries	Number	129	131	137	138	137
	Hectare	3,264	3,264	3,290	3,290	3,270
Sapling Production and Maintenance	Thousand (pcs)	338,000	322,250	320,350	242,436	273,534
Seed Production	Tonne	280.6	273.4	222.7	132.6	143.80

In 2020, 177.6 million saplings were produced (new production)²⁴ and 95.8 million saplings were maintained (transferred and new production), and 143.80 tonnes of seeds were produced from ornamental plants and coniferous and deciduous forest tree species, especially black pine, yellow pine, red pine, Oriental beech, mahaleb, silverberry, oak, almond, etc.

Table 32: Sapling and Seed Production, 2020

	Unit	2020			
		Programme		Implementation	
		Quantity	Thousand TRY	Quantity	Thousand TRY
Sapling Production (New Production)	Thousand (pcs)	175,000	104,022	177,683	101,345
Sapling Maintenance (Transferred and New)	Thousand (pcs)	94,075	19,478	95,850	19,323
Seed Production	Tonne	180	6,850	144	5,468
Seed Maintenance	Tonne	105	450	109	344
Tree and Seed Improvement	Hectare	17	235	17	95
Tree and Seed Improvement Maintenance	Hectare	1,691	3,047	1,691	1,794
Encirclement of Tree and Seed Improvement Areas	Km	21	554	16	168
Sapling Rootstock Production	Number	23,400	85	23,500	65
Grafted Sapling Production	Number	16,000	130	15,360	83

Forest tree sapling sales revenue amounted to TRY 97,393,754, ornamental plant sales revenue amounted to TRY 21,672,169 and seed sales revenue amounted to TRY 1,039,201, and 8,720,803 saplings were distributed free of charge to schools, universities, military units, municipalities, public institutions and organizations and our citizens.²⁵

1.1.2.2 Forest Maintenance, Regeneration and Rehabilitation

As part of maintenance activities, a total area of 626,257 hectares was maintained, including 9,936 hectares of pruning.

²⁴ Production of income-generating sapling species was increased and 4.4 million walnut and 4.5 million almond saplings were produced.

²⁵ In accordance with the Law No. 4122 on National Afforestation and Erosion Control Mobilization and the Decree No. 2013/4777 of the Council of Ministers, dated 06.05.2013 published in the Official Gazette No. 28688 dated 25.06.2013, saplings are distributed free of charge to public institutions, military units, educational institutions and non-governmental organizations.

Table 33: Results of Maintenance Activities, 2016-2020

	2016	2017	2018	2019	2020			
					Programme		Implementation	
					Hectare	TRY	Hectare	TRY
Regeneration	126,653	130,664	153,339	165,022	163,538	72,830,857	167,683	72,830,857
Frequent Maintenance	192,450	182,658	171,138	171,712	159,758	36,828,494	178,839	36,828,494
Pruning	13,227	12,951	12,638	11,346	9,007	5,236,902	9,936	5,236,901
Initial Thinning	66,747	67,222	71,549	77,536	72,923		79,393	
Transformation of	79,867	73,206	77,448	75,647	64,635	4,963,606	72,843	4,963,606
Cultivation	159,634	139,900	138,682	127,248	114,891	40,641,427	117,563	40,641,427

432 silviculture plans have been prepared, 281 of which have been revised, and natural regeneration of 53,240 hectares and artificial regeneration of 10,139 hectares have been completed.

Table 34: Results of Regeneration Activities, 2016-2020

	2016	2017	2018	2019	2020			
					Programme		Implementation	
					Hectare	TRY	Hectare	TRY
Natural Regeneration	25,475	30,547	30,735	24,652	39,525	166,547,247	53,240	166,547,247
Artificial Regeneration	8,885	7,790	10,102	8,786	7,982	42,505,839	10,139	42,505,839

During the ongoing rehabilitation activities, a total area of 56,576 hectares was rehabilitated including 130 hectares of rehabilitation of mining areas.²⁶

Table 35: Realizations in Rehabilitation Activities, 2016-2020

	2016	2017	2018	2019	2020			
					Programme		Implementation	
					Hectare	TRY	Hectare	TRY
Rehabilitation	106,267	112,100	112,273	73,248	41,007	27,450,677	56,576	28,130,861
Rehabilitation Maintenance	44,556	42,736	58,152	39,768	34,990	15,584,000	34,589	13,592,841

1.1.3 Management of Forests

1.1.3.1 Management Activities

In 2020, a management plan was made for a total area of 1,953,580 hectares including 624,415 hectares by our chief engineering directorates and 1,329,165 hectares through service procurement, and resources of TRY 21,325,883 were used.

Table 36: Forest Areas with Forest Management Plan, 2016-2020

	2016	2017	2018	2019	2020
Hectare	1,762,000	1,244,000	1,329,408	957,019	1,953,580

²⁶ A total of 9,341 hectares of rehabilitation activities including 130 hectares of mine sites and a total of 30,517 hectares of rehabilitation maintenance activities including 2,398 hectares of mine sites were completed as part of the Forest Development and Expansion Project, 46,254 hectares of rehabilitation activities were completed as part of the silvicultural practices, and 381 hectares of rehabilitation activities and 1,478 hectares of rehabilitation maintenance activities were completed as part of the Murat River Basin Rehabilitation Project, and 600 hectares of rehabilitation activities and 2,594 hectares of rehabilitation maintenance activities were completed as part of the Çoruh River Basin Rehabilitation Project.

Table 37: Forest Management Project Implementation Status, 2020

Investment Programme	Implementation							
	Delegations		Tender		Total			
	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY
	1,953,580	22,560,000	624,415	2,193,285	1,329,165	19,132,598	1,953,580	21,325,883

In addition, the entire appropriation of TRY 2,011,447 included in the programme for the procurement of services and provision of various aerial photographs, satellite images and maps to be carried out within the scope of mapping and photogrammetry studies, was spent and a total of 7,650,276 hectares of forest mapping and photogrammetry studies were carried out, including draft stand maps for 6,077,970 hectares and ortho images for 1,572,306 hectares.²⁷

1.1.3.2 Wood Production, Standardization and Certification

The production programme 2020 was prepared considering the production capacity of the forests and market demands, and 24,751,066 m³ of industrial wood and 5,396,680 steres of firewood were produced.

Table 38: Wood Production Programme and Realizations, 2016-2020

	Unit	2016	2017	2018	2019	2020	
						Programme	Realization
Standing Tree Mark	M ³	21,128,942	20,196,476	24,437,797	28,662,997	32,000,000	31,699,680
Industrial Wood	M ³	17,009,998	15,521,622	19,080,137	22,113,249	25,600,000	24,751,066
Firewood	Stere	4,877,067	4,359,646	4,890,455	5,589,798	5,750,000	5,396,680

Table 39: Industrial Wood Production Figures, 2016-2020

	Unit	2016	2017	2018	2019	2020	
						Programme	Realization
Logs	M ³	5,786,107	5,474,260	7,152,776	8,514,026	8,950,000	9,790,637
Utility Poles	M ³	57,574	60,610	71,147	58,333	60,000	68,298
Mine Poles	M ³	632,168	561,967	731,604	929,259	1,010,000	1,070,533
Industrial Wood	M ³	835,157	752,253	875,403	1,008,952	1,413,000	1,092,798
Pulpwood	M ³	2,486,595	2,169,059	2,874,882	3,175,505	4,150,000	3,609,978
Fiber-Chip Wood	M ³	7,201,462	6,494,371	7,361,714	8,417,096	10,005,000	9,105,038
Stakes	M ³	10,935	9,102	12,611	10,078	12,000	13,784
TOTAL	M³	17,009,998	15,521,622	19,080,137	22,113,249	25,600,000	24,751,066

Efforts to increase the sales of standing trees were continued in terms of efficient and rational management, 9,914,301 m³ of standing trees, 16,109,151 m³ of industrial wood and 6,874,252 steres of firewood were sold, and revenues of a total of TRY 6,780,389,864 was obtained.

Table 40: Wood Sales Quantities, 2016-2020

	Unit	2016	2017	2018	2019	2020	
						Quantity	Thousand TRY
Industrial Wood	Thousand	13,452	12,294	12,679	13,606	16,109	4,738,646
Firewood	Thousand	2,206	4,270	3,888	4,396	6,874	186,615
Standing Trees	Thousand	4,606	4,087	8,006	9,308	9,914	1,855,128

²⁷ The study on ortho images in an area of 1,572,306 hectares was carried out by the General Directorate, and the portion of 4,697,901 hectares of the studies on the draft stand map in an area of 6,077,970 hectares was carried out by the Regional Directorates of Forestry through service procurement.

In the period between 2010 and 2020, forest management certification (FSC) was obtained for 6,577,142 hectares of forest area covering 80 forest district directorates.

Table 41: Number of Forest Areas with Forest Management Certification, 2016-2020

	Unit	2016	2017	2018	2019	2020
Area of Certified Forests (Cumulative)	Hectare	2,367,000	2,367,000	2,367,000	4,276,219	6,577,142

1.1.3.3 Evaluation and Expansion of Non-Wood Products and Services

In addition to the ecotourism management plans made in Sakarya, Bursa, Adana, Zonguldak, İzmir, Eskişehir, Muğla, İstanbul, Antalya and Konya Regional Directorates of Forestry in accordance with the Communiqué No. 308 on “Procedures and Principles Regarding the Management of Ecotourism Areas”, a total of 14 “Ecotourism Management Plans” were made in Kütahya, Amasya, Kahramanmaraş, Artvin, Bolu, Şanlıurfa, Konya, Kayseri and Denizli Regional Directorates of Forestry, and the studies summarized below were finalized in 2020.

- Within the scope of the Project for Integrated Management of Mediterranean Forests (GEF-5), Ecotourism Development Programme, the “Meydan Yaylası Ecotourism Management Plan” and “Köyceğiz Kavakarası Ecotourism Management Plan”, which were implemented in Muğla Köyceğiz and Adana Pos Forest Sub-District Directorates, were introduced.
- Within the scope of the Ecotourism Plan of Çandır Village in Köyceğiz District in Muğla Province, the “Ecovillage Model Study”, which includes walking and cycling paths, observation terraces, local product sales stands, honey forest establishment, greenhouse heating system with biofuel, water treatment system, hostel management, beekeeping and caravan supports, was completed.
- 35 forest villages that meet the eco-village criteria were identified in the provinces Zonguldak, Bolu, Düzce, Bartın, Karabük, Kastamonu and Sinop, for which Zonguldak, Bolu and Kastamonu Regional Directorates of Forestry were responsible, and a final report was prepared.

Non-wood forest products sales revenue was TRY 15,288,108²⁸, and as a result of inventory studies, 193,124 tonnes of non-wood forest products were identified in an area of 523,664 hectares.

Table 42: Production Quantities of Non-Wood Forest Products, 2016-2020

	Unit	2016	2017	2018	2019	2020
Production Quantities	Tonne	429,015	586,540	701,092	771,000	829,000
Sales Revenues	Thousand TRY	7,470	7,723	8,104	12,650	15,288

On the other side, in order to ensure that the public can benefit from the social functions of forests to the maximum extent, to meet the needs for sports, ecotourism, picnics, recreation and entertainment, and to regulate forest-public relations, the establishment of urban forests and recreation areas was continued, 97 recreation areas and 4 urban forests were registered during the year, and the registration of 31 recreation areas and 4 urban forest was cancelled. In addition, 1 recreation area was re-registered as an urban forest and 1 urban forest was re-registered as a recreation area, and the results summarized below were obtained in the 2020 implementation process of the action plans which were prepared and implementation process of which is ongoing.²⁹

Laurel Action Plan, 2020

- Targeted** Laurel rehabilitation will be carried out in an area of 417 hectares.
Realized Laurel rehabilitation was carried out in an area of 639 hectares.

Resin Action Plan, 2020

- Targeted** 420 tonnes of raw resins will be produced.
Realized 420 tonnes of raw resins were produced.

²⁸ The sales of non-wood forest products are carried out according to the tariff price determined each year. Payments for the productions caused by the administration to be carried out at a unit price are made from the item of general production costs and released to the market through the tenders of the relevant Forest District Directorate.

²⁹ A total of 495 people from universities, private sector, public institutions and organizations and social community organizations participated in the “Medicinal and Aromatic Plants Workshop IV” held on December 16-17, 2020, and the decisions taken as a result of the workshop and the presentations made during the workshop process were shared with the public.

Honey Forest Action Plan, 2020

Targeted	56 honey forests will be established.
Realized	68 honey forests were established.

1.1.3.4 Services related to Forest Roads

278 forest road network plans were completed, a total of 2,707 km of road work was carried out, 199,988 km of construction, maintenance and repair work, 2,071 km of cultural structures and 55 meters of bridge construction was completed.

Table 43: Results of Forest Road Construction Programme Implementation, 2016-2020

	Unit	2016	2017	2018	2019	2020			
						Programme		Implementation	
						Quantity	TRY	Quantity	TRY
Forest Road Network	Number	126	140	143	298	280	10,101,000	278	8,923,644
New Roads	Km	1,852	2,542	2,902	1,324	2,610	86,615,000	2,675	78,586,324
Application	Km	6,188	7,721	8,826	109				
Fire Safety Road	Km	324	125	169	113	178	772,000	173	600,720
Tower Hut Road	Km	4	2	3					
Tractor Road	Km	751	684	969	1,025	1,564	13,985,300	1,538	11,191,431
Internal Warehouse Path	Km	171	139	147	136	174	2,784,000	167	2,592,306

Table 44: Results of Maintenance, Restoration, Cultural Structure and Bridge Programme Implementation, 2016-2020

	Unit	2016	2017	2018	2019	2020			
						Programme		Implementation	
						Quantity	TRY	Quantity	TRY
Major Repair	Km	2,276	2,768	3,184	1,389	1,266	22,996,000	1,354	20,069,534
Superstructure	Km	2,142	2,520	2,843	515	670	14,138,000	710	13,468,317
Bridges	M	323	190	111	12	55	1,565,000	55	1,552,447
Cultural Structure	Km	3,131	3,210	3,696	873	1,935	40,554,000	2,071	38,228,178
Maintenance of Fire Safety Roads	Km	23,675	23,765	24,584	24,911	25,126	8,262,000	25,088	7,105,754
Tower Hut Road Maintenance	Km	1,628	1,579	1,605	1,562	1,565	489,000	1,585	397,650
Production Path Maintenance	Km	154,260	157,891	169,293	168,590	173,300	79,150,000	171,251	68,423,097

1.2 Use and Management of Soil and Water Resources

1.2.1. Conservation, Development and Effective Use of Soil Resources

1.2.1.1. Combating Desertification and Erosion

As part of the projects included in the investment programme 2020, 20,902 hectares of soil conservation activities and 198,715 hectares of soil conservation maintenance activities were completed.³⁰

³⁰ 14,619 hectares of soil conservation activities including 15 hectares of avalanche control and 1,950 hectares of flood control, and 185,132 hectares of soil conservation maintenance activities including 30 hectares of avalanche control maintenance were completed for the Erosion Control Project, 2,446 hectares of soil conservation activities and 8,500 hectares of soil conservation maintenance activities were completed for the Murat River Basin Rehabilitation Project, and 3,837 hectares of soil conservation activities and 5,083 hectares of soil conservation maintenance activities were completed for the Çoruh River Basin Rehabilitation Project.

Table 45: Erosion Control Activities, 2016-2020

	Unit	2016	2017	2018	2019	2020			
						Program		Implementation	
						Quantity	TRY	Quantity	TRY
Erosion Control	Hectare	97,056	91,049	86,758	16,538	19,953	45,596,000	20,902	42,044,226

1.2.1.2. Pasture Improvement

Within the scope of the projects included in the 2020 investment programme, pasture improvement activities were completed in an area of 10,438 hectares.³¹

Table 46: Erosion Control and Pasture Improvement Activities, 2016-2020

	Unit	2016	2017	2018	2019	2020			
						Program		Implementation	
						Quantity	TRY	Quantity	TRY
Pasture Improvement	Hectare	12,778	15,167	20,518	8,088	9,060	8,817,000	10,438	9,252,238

The summary information about the developments and realizations achieved with the Çoruh River Basin Rehabilitation Project and Murat River Basin Rehabilitation Project included in the investment programme are provided below.

Table 47: Results of Çoruh River Basin Rehabilitation Project Implementation, 2020

	Unit	Programme		Implementation	
		Quantity	TRY	Quantity	TRY
Rehabilitation	Hectare	600	426,000	600	367,228
Rehabilitation Maintenance	Hectare	2,594	12,000	2,594	
Soil Conservation	Hectare	3,437	5,541,000	3,837	5,436,262
Soil Conservation Maintenance	Hectare	5,026	513,000	5,083	514,601
Pasture Improvement	Hectare	2,040	2,522,000	2,447	2,570,121
Technical Examination and Training	Number	2	378,000	2	273,287
Hiring Experts, Monitoring and Evaluation, Translators	+	3	354,000	3	170,712
Vehicle Purchase	Number	7	2,280,000		
Improvement of Nurseries	+		3,936,000		3,820,641
ORKÖY Activities	+	819	8,482,000	804	8,297,311

Table 48: Results of Murat River Basin Rehabilitation Project Implementation, 2020

	Unit	Programme		Implementation	
		Quantity	TRY	Quantity	TRY
Afforestation	Hectare	155	480,000	155	207,000
Afforestation Maintenance	Hectare	3,000	4,192,000	3,000	3,215,000
Rehabilitation	Hectare	1,005	1,085,000	381	444,000
Rehabilitation Maintenance	Hectare	950	170,000	1,478	
Soil Conservation	Hectare	2,446	2,040,000	2,446	1,400,687
Soil Conservation Maintenance	Hectare	7,500	3,078,000	8,500	1,668,564
Pasture Improvement	Hectare	300	3,465,000	1,000	2,849,475
Technical Assistance, Training, Courses, Workshops	+		4,110,000		4,343,000
Vehicle Rental	+		139,000		98,000
Nursery Infrastructure Investments	+		2,602,000		2,573,849
ORKÖY Activities			17,804,000		14,014,010

³¹ 6,991 hectares of pasture improvement activities were completed for the Erosion Control Project, 1,000 hectares of pasture improvement activities were completed for the Murat River Basin Rehabilitation Project, and 2,447 hectares of pasture improvement activities were completed for the Çoruh River Basin Rehabilitation Project.

1.3 Rural Development

1.3.1. Development and Support of Forest Villagers

1.3.1.1 Support of Forest Villagers

TRY 250,297,236 of the resources amounting to a total of TRY 251,780,000, including TRY 195,000,000 loaning and TRY 56,780,000 capital transfer (grant), was spent, and 54 individual loan type projects and 2 cooperative projects from different project types were approved.

Table 49: Individual and Cooperative Loan Implementations, 2016-2020

	Unit	2016	2017	2018	2019	2020
Individual Loans	Thousand	288,709	244,501	207,566	227,189	249,717
Cooperative Loans	Thousand TRY		3,899	2,135	3,250	580
TOTAL	Thousand TRY	288,709	248,400	209,701	230,439	250,297

**Based on 2020 Deflator Coefficient*

Table 50: Social and Economic Individual Loan Implementations, 2016-2020

	Unit	2016	2017	2018	2019	2020
Social Loans	Thousand TRY	38,123	29,204	13,693	17,521	19,089
Economic Loans	Thousand TRY	250,586	215,297	193,873	209,668	230,628
TOTAL	Thousand TRY	288,709	244,501	207,566	227,189	249,717

**Based on 2020 Deflator Coefficient*

Individual support was provided to 9,248 families through social and economic practices, and a resource of TRY 249,717,236 was provided.

Table 51: Number of Families Benefiting from Individual Loan Implementations, 2016-2020

	Unit	2016	2017	2018	2019	2020
Social Loans	Number	5,367	4,089	2,216	2,163	2,119
Economic Loans	Number	6,942	6,214	6,303	7,178	7,129
TOTAL	Number	12,309	10,303	8,519	9,341	9,248

Table 52: Number of Families Benefiting from Individual Loan Implementations by Loan Types, 2016-2020

	Unit	2016	2017	2018	2019	2020
Roof Covering	Number	1,878	886	960	958	1,046
Heating and Cooking	Number	1,299	1,160	589	911	711
Solar Water Heating System	Number	2,142	1,936	667	221	116
Technical Beekeeping	Number	776	340	311	312	171
Livestock Breeding	Number	5,882	5,722	5,896	5,806	5,488
Handicrafts and Domestic Crafts	Number	67	15	30	77	88
Facility Acquisition and Conversion	Number	217	137	66	218	77
Indoor Electrical Installation	Number	40	107		73	0
Production Mechanization ³²	Number				765	1,305
Disaster Payments	Number					246
2 KWP Cap. Electricity Generation	Number	8				
TOTAL	Number	12,309	10,303	8,519	9,341	9,248

1 log loader project, 1 front loader and drum tractor project and 2 cooperative projects were implemented and resources of TRY 580,000 were used.

³² In 2020, the number of supports for production mechanization was increased and the project types were diversified and “log handling crane (drum), tractor and chain saw, log debarking machine and loader stacker parts” projects were supported.

Table 53: Distribution of Cooperative Loans by Year, 2016-2020

Unit	2016	2017	2018	2019	2020
Number of Projects	Number	7	4	5	2
Cooperative Loans	Thousand TRY	3,899	2,135	3,250	580

*Based on 2020 Deflator Coefficient

1.4 Management and Support Programme

1.4.1 Inspection, Audit and Consulting Services

1.4.1.1 Internal Audit

Internal Audit Plan for the Period 2020-2022 and Internal Audit Programme 20 have been prepared, and 3 system and 5 compliance audits as well as 1 internal inspection included in the programme have been carried out.

Table 54: Number of Internal Audits Performed, 2016-2020

	Unit	2016	2017	2018	2019	2020
Compliance Audits	Number	3	1	6	15	5
Financial Audits	Number	3	1			
System Audits	Number	6	2	6	2	3

Table 55: Number of Internal Audit Reports Issued, 2016-2020

	Unit	2016	2017	2018	2019	2020
Internal Audit Reports	Number	12	4	12	17	8
Inspection Reports	Number	1	1	1	1	1
Consulting Reports	Number	1		1		

8 internal audit reports were prepared, application errors were evaluated within the framework of the legislation, and suggestions for improvement were reflected in the reports. Within the framework of the Quality Assurance and Development Programme, 1 inspection report (review report) was prepared and the internal evaluation for 2019 was included in the report. It was stated in the review report that it was “Generally Compliant with Public Internal Audit Standards”.

1.4.1.2 Inspections, Audits and Investigations

As a result of administrative and technical inspections carried out to ensure that forestry activities are carried out effectively, efficiently and in accordance with economic management principles, a total of 318 reports of different types were prepared and implemented.

Table 56: Number of Inspection Reports Issued and Implemented, 2016-2020

	Unit	2016	2017	2018	2019	2020
Inspection Reports	Number	103	115	76	106	422
Disciplinary Investigation/Investigation Reports	Number	50	59	62	54	49
Preliminary Inspection Reports	Number	8	20	17	12	16
Inspection Reports with Response	Number	73	100	82	130	4
Consignment Reports	Number	11	13	11	9	13
Judicial Investigation/Investigation/Regulation Reports	Number		10	9	7	15

1.4.1.3 Corporate International Cooperation Activities

In the process of sharing the experiences gained throughout the country in forestry on an international scale and developing cooperation in the implementation of scientific/technical developments, the studies summarized below were carried out.

- The negotiations for the United Nations Framework Convention on Climate Change (UNFCCC) were followed and active participation was ensured in sessions and/or meetings related to the LULUCF sector, forestry and adaptation to climate change.
- National Greenhouse Gas Inventory Calculation and National Greenhouse Gas Inventory Report (NIR) Land Use, Land-Use Change, and Forestry (LULUCF) Section (1990-2018) was prepared and reported. Participation was ensured in all studies regarding the development of this inventory and report.³³
- Regarding the Forest Europe process, the online meetings were attended within the scope of the Ministerial Conference on the Protection of European Forests, a high-level political process established in 1990 for the protection and sustainable management of forests in Europe, shortly known as “FOREST EUROPE”. In addition, the meeting organized by UNECE to discuss possible negotiations for the “Legally Binding Agreement on Forests in Europe” held in Geneva was attended. The Eighth Ministerial Conference planned to be held in Slovakia has been accepted by the Secretariat and member countries to be held online due to the pandemic, and will be held online on April 14-15, 2021 with the participation of Ministers of member countries, and the preparatory meetings for the Ministerial Conference were attended actively.
- The Session 15 of the UN Forest Forum (UNFF-15) was held online during the year, and the “Implementations of the International Forestry Strategy 2017-2030” were discussed, and opinions were presented on the forestry activities carried out in our country. The next Forum (UNFF16) was accepted by the Secretariat and member countries to be held online between April 26 and 30, 2021 due to the ongoing effects of the pandemic.
- The European Environment Agency’s studies, especially on the European Forests Information Network and other forest-related activities are being followed, and support is being provided for utilization of this network. The requested contributions for the Türkiye page prepared in this context were provided within the framework of national publications.
- The online meetings of the OECD Climate Change Experts Group regarding the Greenhouse Gas Inventory Reporting Tables (CRF) were attended.
- A “Strategy Document for Adaptation to Climate Change in Forestry” was prepared within the scope of the technical cooperation agreement signed with the French Forest Service, 9 strategies and 51 activities were proposed in the document and the relevant document was published in Turkish and English on the website of the General Directorate.
- In accordance with the recommendations taken at the Session 23 of SilvaMed, the online meetings of the “Forest Invasive Species Network for Europe and Central Asia (REUFIS)”, of which we are a member as of 2019, on invasive species were attended in 2020.
- The Session 78 of the Committee on Forests and the Forest Industry (COFFI) of the Economic. Commission for Europe, which was held online in Geneva, Switzerland, was attended.

The summary information on the developments and realizations achieved in 2020 in outsourced projects implemented with the aim of encouraging the implementation of an integrated management approach in the management of forests and contributing to the sustainable management of forest ecosystems is provided below.

Project for Integrated Management of Mediterranean Forests of High Conservation Value in Türkiye (GEF 5)

- The Turkish Report 2019 of the Sustainable Forest Management Criteria and Indicators (SOY K&G) was prepared and the report included developments, progresses, temporal trends and evaluations regarding forests and forest resources, management of these resources, practices, forestry policies and sectoral issues in the last 12 years (2008-2019).
- The Legislation and Sustainability Working Group Report was completed and five short films and one feature-length film were prepared. In addition, the outputs of the project, closing meeting of which was held during the year, were presented to the stakeholders.

Biodiversity Conservation and Sustainable Forest Management in Kazdağları Region

- The preparation process of the project documentation was initiated and an initial workshop and field survey were planned.

Project for Sustainable Energy Financing Mechanism for Photovoltaic Electricity Production in Forest Villages (ORKÖY PV Project):

- The site installation of the 100 kWp capacity facility in Gökbudak Neighborhood, Ilgın District, Konya Province and Kulak Village, Şuhut District, Afyonkarahisar Province was completed and a connection agreement was made and production was started.
- In the first pilot rooftop application villages (Aksaklar, Dağşeyhler, Dağhacılar, Güneyçalıca and Tekirler Villages in Göynük District in Bolu Province), a total of 30 houses were installed with rooftop solar power systems of variable capacities.
- The second pilot rooftop application villages (in 18 provinces (Adana, Ankara, Artvin, Bilecik, Burdur, Çanakkale, Çorum, Denizli, Elazığ, Erzurum, İzmir, Kahramanmaraş, Karaman, Kastamonu, Manisa, Şanlıurfa, Trabzon, Yozgat)) were selected and a total of 255 houses were installed with rooftop solar power systems of variable capacities.

1.4.2 Senior Management, Administrative and Financial Services

1.4.2.1. Activities Related to Information Technology

In 2020, 4 integrated servers, 1 NAS storage, 650 network switches, 750 laptops and 1,666 desktop computers, 25 document scanners, 25 projectors, 60 multifunctional printers, 1,994 monitors and various required software were procured, and Electronic Document Management System (EDMS)

³³ Within the scope of UNFCCC obligations, it is necessary to prepare the National Greenhouse Gas Inventory of our forests and the National Greenhouse Gas Inventory Report of the LULUCF sector every year, to send it to the Turkish Statistical Institute for submission to the Secretariat of United Nations, and to fulfill the duty of ensuring the Quality Control/Quality Assurance of this report.

maintenance service was purchased, CBS software and servers were updated and the works summarized below were finalized.

- Within the scope of Information Security Management System (ISMS), penetration and security audits were performed through local network and web applications, 5,000 SCOP Scopnet P-KL (NAC) software licenses, SCOP Vision SIEM License for log records, GEMALTO software license for data encryption, masking, identity authorization and password access, data protection software license and phishing software were procured and antivirus software license and help desk license were updated.
- Within the scope of Personal Data Protection Law (PDPL), an analysis study was conducted to identify personal data in central units.
- The definition of spatial data produced or caused to be produced, data types and sizes, presentation methods, processing and preparation methods were determined, the infrastructure and use of Geographic Information Systems that provide convenience in the Forest Information System (ORBIS) Geoportal and module interfaces were developed, and services were prepared for data sharing with in-house users, existing applications or external organizations, and data were shared.
- The infrastructure of the institution's website was updated and redesigned to be mobile compatible, 2 mobile applications were developed, 250 additional licenses were procured for the cloud system used for file storage and sharing, and its use was expanded with 1,740 licenses.
- The procurement and renewal processes of 5,617 electronic signatures were completed, and 9 mobile signatures were renewed annually. In addition, 274 REM accounts were closed, the National Electronic Notification System (NENS) was introduced, and a total of 264 NENS accounts were purchased.
- Studies were initiated on the use of satellite images in forestry activities.

1.4.2.2. Activities Related to Human Resources Management

The General Directorate of Forestry training programmes are planned and implemented as continuous training at all levels, effective awareness-raising and vocational training for the target audience, as well as training for the personal development of employees. In this process, 16 trainings were carried out³⁴ and a total of 629 employees participated in these trainings.

Table 57: Trainings Conducted and Number of Participants, 2016-2020

	Unit	2016	2017	2018	2019	2020
Number of Trainings Planned	Number	84	87	63	38	130
Number of Trainings Conducted	Number	51	79	61	48	16
Number of Employees Trained	Number	3,994	7,083	4,410	4,077	629

In addition, a total of 21,095 employees participated in 618 training programmes and/or activities organized by regional directorates of forestry, and the internship requests of 64 students were responded positively.

1.4.2.3 General Support Services

In order to minimize the spread of the COVID-19 pandemic in our country, flexible working methods such as remote working and rotational working were implemented regardless of the type of employment, and for approximately 750 employees in the central units of the General Directorate of Forestry and in the Ankara Regional Directorate of Forestry, food services were contracted between 01.01.2020 and 31.02.2022 for a contract price of TRY 5,953,200 excluding VAT, and electricity requirement was contracted between 01.01.2021 and 31.12.2021 for a contract price of TRY 1,413,425 excluding VAT. Cafeteria services were provided as ready-made packages, and the circulars published for nursery and daycare services and personnel transportation services were followed, and resources of a total of TRY 7,795,385 were used in the process of carrying out such services at the center.

1.4.2.4 Other Support Services

In 2020, 196 research projects, 25 of which were new, were carried out by the Research Institute Directorates, 25 projects were finalized, approximately 200 thousand soil, water and plant analyses were conducted, and 1,750 seed quality control tests were carried out.

³⁴ 130 trainings were planned with the in-service training programme and 16 of these trainings could be provided including 5 trainings that were provided through the "Distance Training Portal" prepared by the Human Resources Office of the Presidency due to the measures taken against COVID-19 pandemic.

³⁵ Personnel Transportation Service Cost of TRY 3,412,709, Cafeteria Service Cost of TRY 2,222,355, Electricity Cost of TRY 1,673,025, Nursery and Day Care Service Cost of TRY 487,296

Table 58: Number of Research Projects Conducted and Completed, 2016-2020

	Unit	2016	2017	2018	2019	2020
Number of Projects Conducted	Number	230	220	220	208	196
Number of Projects Completed	Number	42	39	40	42	25

In order to increase capacity in the Institute Directorates, improve physical infrastructure and finance projects, TRY 6,230,078 of an appropriation of TRY 9,400,000 allocated in 2020 was spent within the scope of the Forestry Research Capacity Building Project.

2. Assessment of Performance Results

2.1 Implementation Results and Evaluations Regarding Sub-Programme Targets and Indicators

Table 59: Monitoring Form for Implementation of Performance Indicators, 2020

Year 2020													
Programme Name		PROTECTION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE											
Sub-Programme Name		PROTECTION OF FORESTS AND FOREST RESOURCES											
Sub-Programme		Protecting forests against biotic and abiotic pests, and ensuring the sustainability of forest existence by monitoring the health of forest ecosystems											
Indicator Name	Unit of Measurement	Final Realization				Realization							Realization Status
		Year	Value	Indicator Targeted Value	Year-End Realization Estimated	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Year-End Value	Realization Rate		
1	Ratio of the number of man-made fires to the total number of fires	Percent	2019	86.0	85.0	85.0	96.9	91.6	90.7	90.8	90.8	94	Partially Reached
2	Number of unmanned protection systems installed	Number	2019	1	2	2	0	0	1	1	2	100	Reached
3	Number of laboratories established	Number	2019	8	8	8	8	8	8	8	100	Reached	
4	Number of observation plots where the health of forest ecosystems will be monitored	Number	2019	651	661	661	0	0	651	651	651	98	Partially Reached
5	Area damaged as a result of forest fires	Hectare	2019	11,332	0	0	201	848	18,353	20,971	20,971	0	Not Reached
6	Area of registered forests	Thousand Hectare	2019	20,500	22,500	22,500	20,602	20,714	20,863	21,000	21,000	93	Partially Reached
7	Area per fire	Hectare	2019	2.4	2.4	2.4	0.9	1.0	6.7	6.1	6.1	39	Not Reached
8	Duration of first response to fire-sensitive areas of the first degree	Minute	2019	12	14	12	17	13	12	12	12	116	Exceeded

Rapid population growth and residential areas put forests in jeopardy in terms of fire. In order to reduce this risk, pre-fire education and awareness-raising activities will be prioritized.

Extreme meteorological weather conditions and climate change are among the important risk factors, and for early detection and effective intervention of forest fires; firefighting organization will be strengthened and fire decision and support systems will be developed.

Evaluation

Within the scope of the protocol signed between the General Directorate of Land Registry and Cadastre and the General Directorate for the digitization of cadastral bases and the amendments made to Article 4 of the Cadastre Law No. 3402, the necessary appropriation was transferred to the General Directorate of Land Registry and Cadastre, and the amount of forest area registered remained below the targeted level due to the tender processes and the COVID-19 pandemic.

Year 2020

Programme Name PROTECTION AND SUSTAINABLE
MANAGEMENT OF FORESTS AND NATURE

Sub-Programme Name DEVELOPMENT AND EXPANSION OF FORESTS

Sub-Programme Target Developing the existing forests and increasing the total forest existence and productive forest areas

Indicator Name	Unit of Measurement	Final Realization		Targeted Indicator Value	Year-End Realization Estimated	Realization							
		Year	Value			First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Year-End Value	Realization Rate	Realization Status	
1	Growing stock of trees per hectare	Cubic Meter	2019	73.8	74.0	74.0	73.8	73.8	73.8	73.8	74.0	100	Reached
2	Ratio of Forest Areas to the Area of the Country	Percent	2019	29.2	29.4	29.4	29.2	29.2	29.2	29.4	29.4	100	Reached
3	Total area of forests	Thousand Hectare	2019	22,740	22,930	22,930	22,740	22,740	22,740	22,933	22,933	100	Reached
4	Productive forest area	Thousand Hectare	2019	13,083	13,250	13,250	13,083	13,083	13,083	13,264	13,264	100	Reached

Evaluation

Our country's forest assets reach approximately 29.4% of the country's surface area with 22,933,000 hectares. The area of forests with normal crown closure constitutes 57.84% of the total forest area with 13,264,429 hectares, and the area of forests with low crown closure constitutes 42.16% of the total forest area with 9,668,571 hectares within this area.

94.43% of the forests are operated as groves and 5.57% as coppice, the total growing stock is approximately 1.7 billion m³, and the increment, which is an indicator of the wood raw material yield of the forests, is 47.4 million m³. Although the increase in the share of area of groves has an impact on this result, the acquisition of new forest areas and the maintenance activities carried out in the forests have a great impact.

Year 2020

Programme Name PROTECTION AND SUSTAINABLE
MANAGEMENT OF FORESTS AND NATURE

Sub-Programme Name MANAGEMENT OF FORESTS

Sub-Programme Ensuring the efficient use of forest resources in economic, ecological and social terms and increasing the diversity of forest products

Indicator Name	Unit of Measurement	Final Realization		Targeted Indicator Value	Year-End Realization Estimated	Realization							
		Year	Value			First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Year-End Value	Realization Rate	Realization Status	
1	Number of honey forests	Number	2019	533	560	560	533	547	565	596	596	106	Exceeded
2	Number of plans renewed using geographic information systems	Number	2019	517	635	635	517	517	517	707	707	111	Exceeded
3	Laurel forest rehabilitation area	Hectare	2019	961	1,250	1,250	1,060	1,350	1,600	1,600	1,600	128	Exceeded
4	Number of ecotourism management plans	Number	2019	12	15	15	16	17	22	28	28	187	Exceeded

Year 2020

Programme Name PROTECTION AND SUSTAINABLE
MANAGEMENT OF FORESTS AND NATURE

Sub-Programme Name MANAGEMENT OF FORESTS

Sub-Programme Ensuring the efficient use of forest resources in economic, ecological and social terms and increasing the diversity of forest products

Indicator Name	Unit of Measurement	Final Realization		Targeted Indicator Value	Year-End Realization Estimated	Realization							
		Year	Value			First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Year-End Value	Realization Rate	Realization Status	
													Year
5	Ratio of roads constructed by excavator to the total amount of roads	Percent	2019	60	65	65	60	61	64	65	65	100	Reached
6	Rate of efficiency in industrial wood production	Percent	2019	77.1	80.0	80.0	77.1	77.1	77.1	78.1	78.1	98	Partially Reached
7	Area with non-wood forest product inventory and planning performed	Hectare	2019	1,705,000	1,800,000	1,800,000	1,705,000	1,705,000	1,705,000	1,810,000	1,810,000	101	Exceeded
8	Amount of resin produced	Tonne	2019	508	900	900	700	774	799	928	928	103	Exceeded
9	Area of certified forests	Hectare	2019	4,276,219	5,000,000	5,000,000	4,276,219	4,276,219	4,276,219	6,577,142	6,577,142	132	Exceeded
10	Amount of forest roads with standards developed	Kilometer	2019	760	1,250	1,250	760	940	1,140	1,250	1,250	100	Reached
11	Ratio of standing tree sales to Standing Barked Stem Volume	Percent	2019	32.0	38.0	38.0	32.0	32.0	32.0	31.2	31.2	82	Partially Reached
12	Ratio of logs of Classes I and II to total log production	Percent	2019	11.8	11.5	11.5	11.8	11.8	11.8	12.8	12.8	111	Exceeded
13	Truffle forest	Hectare	2019	384	375	400	384	414	434	434	434	115	Exceeded

Evaluation

In the maintenance interventions carried out in forest areas, emphasis was given to areas with degraded or young trees, and in this respect, the yield percentage in industrial wood production remained below the targeted level. Depending on the increase in the production programme, the capacity of logistics and human resources will be strengthened and the indicator value will be improved.

The quantity of standing trees sold in 2018 was at the level of 8 million m³ and this figure resulted in 9.9 million m³ in 2020. However, due to the increase in the production programme, the standing tree sales rate remained below the targeted level.

Year 2020

Programme Name USE AND MANAGEMENT OF SOIL AND WATER RESOURCES

Sub-Programme Name CONSERVATION, DEVELOPMENT AND EFFICIENT USE OF SOIL RESOURCES

Sub-Programme Controlling soil loss caused by erosion, landslides and similar reasons and increasing the improved pasture areas

Indicator Name	Unit of Measurement	Realization											
		Final Realization		Targeted Indicator Value	Year-End Realization Estimated						Year-End Value	Realization Rate	Realization Status
		Year	Value			First Quarter	Second Quarter	Third Quarter	Fourth Quarter				
1	Improved pasture area	Hectare	2019	250,000	257,000	257,000	250,000	250,000	256,000	260,000	260,000	101	Exceeded
2	Size of area with soil loss controlled	Hectare	2019	1,550,000	1,582,000	1,582,000	1,550,000	1,555,000	1,562,000	1,571,000	1,571,000	99	Partially Reached

Evaluation

Due to economic reasons, the size of area with soil loss controlled realized below the targeted level. Priority will be given to erosion and flood control projects in all basins, especially dam and pond basins, and the implementation of basin improvement, flood, avalanche and landslide projects and large-scale integrated and participatory basin improvement projects prepared against natural disasters in the upper basin areas will be continued.

Year 2020

Programme Name RURAL DEVELOPMENT

Sub-Programme Name DEVELOPMENT AND SUPPORT OF FOREST VILLAGERS

Sub-Programme Improving quality of life, increasing the diversity of income sources and providing employment by contributing to the socioeconomic development of forest villagers

Indicator Name	Unit of Measurement	Realization											
		Final Realization		Targeted Indicator Value	Year-End Realization Estimated						Year-End Value	Realization Rate	Realization Status
		Year	Value			First Quarter	Second Quarter	Third Quarter	Fourth Quarter				
1	Number of families benefiting from ORKÖY supports	Number	2019	9,341	10,700	10,700	31	957	3,438	4,822	9,248	86	Partially Reached
2	Number of cooperatives benefiting from ORKÖY supports	Number	2019	5	5	5	0	0	0	2	2	40	Not Reached
3	Employment provided ORKÖY supports	Person/Year	2019	74,667	77,101	77,101	74,675	75,045	75,935	77,093	77,093	100	Reached

Evaluation

In order to meet the demands for production mechanization of forest villagers actually working for the production of forest products, support of projects such as log handling cranes (drums), tractors and chain saws, etc. was decided. The work programme prepared accordingly was put into practice. The change in the amount of resources and demands has a positive and/or negative impact on the targeted indicator value. The loan and grant support provided to the forest villagers will be increased and the change in demands will be monitored.

Table 60: Result Form for Performance Indicators, 2020

Programme Name	Sub-Programme Name	Sub-Programme Target	Performance Indicator	Targeted Indicator Value	Year-End Realization Value	Realization Status
PROTECTION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE	PROTECTION OF FORESTS AND FOREST RESOURCES	Protecting forests against biotic and abiotic pests, and ensuring the sustainability of forest existence by monitoring the health of forest ecosystems	Ratio of the number of man-made fires to the total number of fires	85.0	90.8	Partially Reached
			Number of unmanned protection systems installed	2	2	Reached
			Number of laboratories established	8	8	Reached
			Number of observation plots where the health of forest ecosystems will be monitored	661	651	Partially Reached
			Area damaged as a result of forest fires	0	20,971	Not Reached
			Area of registered forests	22,500,000	21,000,000	Partially Reached
			Area per fire	2.40	6.17	Not Reached
			Duration of first response to areas of the first degree	14	12	Exceeded
			Growing stock of trees per hectare	74	74	Reached
			Ratio of the forest areas to the area of the country	29.4	29.4	Reached
PROTECTION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE	DEVELOPMENT AND EXPANSION OF FORESTS	Developing the existing forests and increasing the total forest existence and productive forest areas	Total forest area	22,930,000	22,933,000	Reached
			Productive forest area	13,250,000	13,264,000	Reached
			Number of honey forests	560	596	Exceeded
			Number of plans renewed using geographic information systems	635	707	Exceeded
PROTECTION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE	MANAGEMENT OF FORESTS	Ensuring the efficient use of forest resources in economic, ecological and social terms and increasing the diversity of forest products	Laurel forest rehabilitation area	1,250	1,600	Exceeded
			Number of ecotourism management plans	15	28	Exceeded
			Ratio of roads constructed by excavator to the total amount of roads	65	65	Reached
			Rate of efficiency in industrial wood production	80.0	78.1	Partially Reached
			Area with non-wood forest product inventory and planning performed	1,800,000	1,810,000	Exceeded
			Amount of resin produced	900	928	Exceeded
			Area of certified forests	5,000,000	6,577,142	Exceeded
			Amount of forest roads with standards developed	1,250	1,250	Reached
			Ratio of standing tree sales to total Standing Barked Stem Volume	38.0	31.2	Partially Reached
			Ratio of logs of Classes I and II to total log production	11.5	12.8	Exceeded
PROTECTION AND SUSTAINABLE MANAGEMENT OF FORESTS AND NATURE	MANAGEMENT OF FORESTS	Ensuring the efficient use of forest resources in economic, ecological and social terms and increasing the diversity of forest products	Truffle forest area	375	Exceeded	Exceeded
			Improved pasture	257,000	260,000	Exceeded
			Size of area with soil loss controlled	1,582,000	1,571,000	Partially Reached

Programme Name	Sub-Programme Name	Sub-Programme Target	Performance Indicator	Targeted Indicator Value	Year-End Realization Value	Realization Status
RURAL DEVELOPMENT	DEVELOPMENT AND SUPPORT OF FOREST VILLAGERS	Improving quality of life, increasing the diversity of income sources and providing employment by contributing to the socioeconomic development of forest villagers	Number of families benefiting from ORKÖY supports	10,700	9,248	Partially Reached
			Number of cooperatives benefiting from ORKÖY supports	5	2	Not Reached
			Employment provided by ORKÖY supports	77,101	77,093	Reached
OTHER PERFORMANCE INDICATORS DETERMINED BY THE STRATEGIC PLAN			Number of camera traps for preventing grazing damage	1,427	1,440	Exceeded
		Number of units where 2/B study was performed	21,415	20,962	Partially Reached	
		Wood savings provided by social supports	3,426	3,435	Reached	
		Number of families supported	518,200	515,600	Partially Reached	
		Total amount of increments in forests	47,400,000	47,400,000	Reached	
		Implementation rate for industrial afforestation in potential areas	45.0	18.5	Not Reached	
		Number of pilot forest sub-district directorates	26	26	Reached	
		Number of research projects completed	234	246	Exceeded	
		Number of outsourced projects completed	24	22	Partially Reached	
		Coverage ratio of own revenues to expenses	59.0	67.0	Exceeded	
		Rate of completion in standard position	55 176	51 169	Partially Reached	
		Number of risk-based audits			Partially Reached	
		In-service training programme realization rate	100	12	Not Reached	
		Amount of area per forest sub-district	15,700	10,716	Exceeded	
		Number of employees trained in information security	27,000	21,700	Partially Reached	
		Number of software developed and/or procured	41	41	Reached	
		Number of Disaster Recovery Centers established	1	0	Not Reached	

2.2 Performance Audit Results

A regularity audit was carried out by the Court of Accounts in order to determine the compliance of the accounts and transactions of the General Directorate of Forestry with the laws and other legal regulations, to have reasonable assurance that the financial reports and statements accurately and reliably reflect the results of all activities and transactions, and to evaluate the financial management and internal control systems, and the report of the audit results was presented under “A. “Financial Information” .

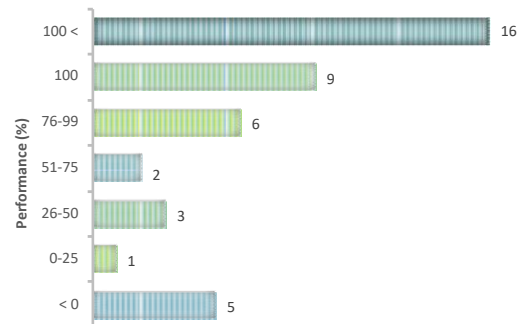
3. Assessment of Strategic Plan

The **mission** of the General Directorate of Forestry in the 2019-2023 Strategic Plan is “to protect forests and forest resources, to develop them with an understanding close to nature, and to manage them in a way that is sustainable and provides multifaceted benefits to the society within the integrity of the ecosystem”, and its **vision** is “to be a leading institution in sustainable forest management practices”, and 17 strategic targets, 48 strategies and 42 performance indicators were determined under 4 strategic goals for the period 2019-2023.

As of the end of 2020;

Out of the performance indicators in the plan, 16 resulted in a performance value above the target values, 9 resulted in a performance value at the target value, and 17 resulted in a performance value below the target values.

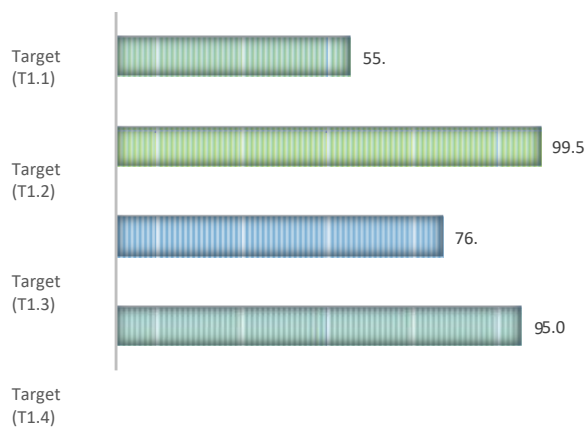
There is no need to update the targets and performance indicators that are expected to be realized over the years, and necessary precautions are taken against emerging risks.



NUMBER OF PERFORMANCE INDICATORS

Following the evaluation made on the performance indicators determined for the strategic targets, progress was achieved above 100% in 3 strategic target, at 100% in 4 strategic targets and below the targeted level in 10 strategic targets.

STRATEGIC GOAL (G1): TO PROTECT FORESTS AND FOREST RESOURCES AGAINST BIOTIC AND ABIOTIC PESTS



PERFORMANCE (%)

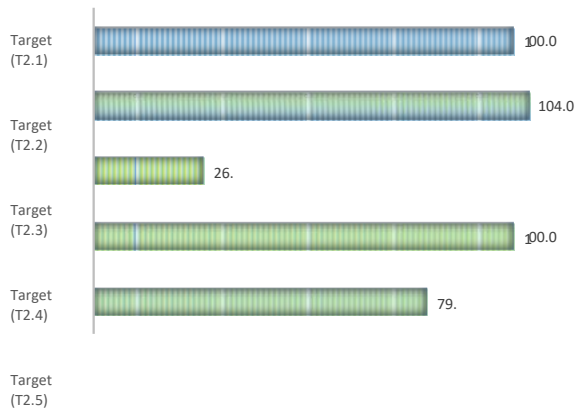
Target (T1.1): Preventive actions will be increased for fight against forest fires and response capacity will be strengthened.

Target (T1.2): The health of forest ecosystems will be monitored, and forest existence and health will be protected by taking natural or nature-friendly preventive actions for disease and pest control.

Target (T1.3): The registration of forest areas with finalized cadastre will be ensured and ownership problems will be resolved.

Target (T1.4): Socio-economic development in forest villages will be supported.

STRATEGIC GOAL (G2): TO DEVELOP FORESTS, INCREASE THEIR PRODUCTIVITY AND EXPAND THEIR AREAS



PERFORMANCE (%)

Target (T2.1): Wood quality and seed and fruit productivity will be increased, and silvicultural maintenance measures for the establishment of healthy forests will be increased.

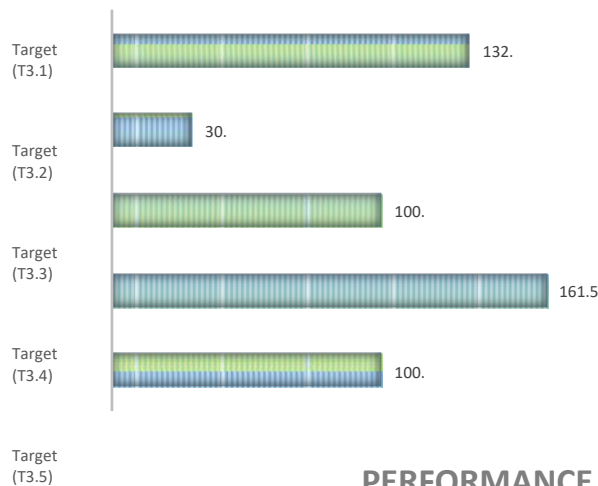
Target (T2.2): Productive Forest Area will be increased to 14,000,000 hectares.

Target (T2.3): The implementation rate will be increased from 9% to 100% in a total potential area of 330,000 hectares determined to be suitable for industrial afforestation

Target (T2.4): Our forest presence will be increased to 30% of the total area of the country.

Target (T2.5): Erosion will be controlled and pasture improvement activities will be developed to reduce soil loss.

STRATEGIC GOAL (G3): TO ENSURE THAT THE SOCIETY BENEFITS FROM THE GOODS AND SERVICES PRODUCED BY FORESTS AT THE OPTIMUM LEVEL



PERFORMANCE (%)

Target (T3.1): In accordance with the multi-purpose utilization of 6,868,000 hectares of forest area, inventory will be prepared and the management plan will be renewed.

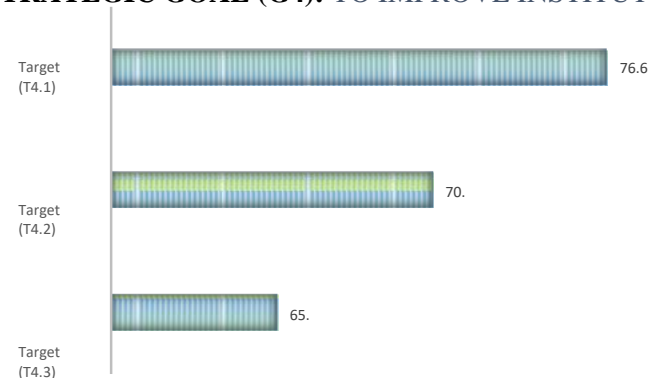
Target (T3.2): Quality and productivity of wood-based forest products will be increased, costs will be reduced and sustainable competition will be ensured in domestic and foreign markets.

Target (T3.3): Ecotourism services will be expanded, and non-wood forest product diversity and production will be increased.

Target (T3.4): Considering national conditions and international developments, a standardization and certification system will be developed for forest products, and the area of certified forests will be increased.

Target (T3.5): Forestry infrastructure will be strengthened, and pilot applications will be carried out to improve road standards in forests whose main function is production.

STRATEGIC GOAL (G4): TO IMPROVE INSTITUTIONAL CAPACITY



PERFORMANCE (%)

Target (T4.1): Research and development projects will be prepared and implemented to solve problems in the field of forestry, to develop new techniques and to ensure effective governance.

Target (T4.2): In order to ensure institutionalization in strategic management, financial, legal, administrative and human resources will be developed.

Target (T4.3): Information systems and technology infrastructure will be completed, and forest information system will be developed and expanded.

1. In the period between 2016 and 2020, an average of 2,770 forest fires were responded to and a forest area of 11,819 hectares/year was damaged. Duration of first response to fire-sensitive areas of the first degree was 12.0 minutes.
2. For the forest pest control, the biological, mechanical and biotechnical control rate was 99%, and in the implementation process of the “Programme for Monitoring of Forest Ecosystems, the number of observation plots evaluated was 651 and the number of trees evaluated was 21,459.

The number of forest crimes in 2020 increased by approximately 32% compared to the previous year. The distribution of this rate according to the types of crimes is as follows: the crime of cutting down increased by 35%, the crime of transporting increased by 11%, the crime of possession increased by 9%, the crime of deforestation-settlement increased by 44, the crime of occupation-utilization increased by 31%, the crime of grazing increased by 15, the crime of consumption decreased by 4%, and the crime of hunting decreased by 50%.

3. The forest cadastre of our country’s forests was completed and the cadastre of 24,500,000 hectares of area and the registration of 21,000,000 hectares of area were completed. Efforts were accelerated to ensure the registration of 3,500,000 hectares of forest area, which could not be registered despite the completion of the cadastre.
4. Employment of a total of 118,117 persons/month was ensured in the last five years in addition to the economic loans allocated to forest villagers.
5. 94.43% of the forests are operated as groves and 5.57% as coppices, and the change in forest areas also affects the distribution of growing stock. The growing stock of standing trees in our country’s forests increased by approximately 762 million m³ between 1973 and 2020.

Forestry practices not only change area and growing stock levels, but also affect the age components of trees constituting forests and therefore their increment. The total annual increment in forests was 28 million m³ in 1973 and as a result of forestry implementations, the annual increment reached 47.4 million m³ in 2020.

6. The area of forests with normal crown closure (productive) reached 57.84% of the total forest area with 13,264,429 hectares, and the area of forests with low crown closure (degraded) decreased to 42.16% with 9,668,571 hectares.
7. As a result of ground studies carried out in 13 regional directorates of forestry in 2013, an area of 164,922 hectares that can be subject to industrial afforestation was identified, this figure was increased to 330,000 hectares during the 2019-2023 strategic plan preparation process, and to date, the studies were concluded on a total area of 60,957 hectares.
8. According to the results of forest management inventory evaluation, the forest asset, which was 20,199,296 hectares in 1973, reached 22,933,000 hectares in 2020.
9. To date, soil loss was controlled in a total area of 1,571 hectares and a pasture area of 260 thousand hectares was improved.
10. Functional forest management plans of all forests were completed and the number of plans renewed using geographic information systems reached 707.
11. Industrial wood production increased by 11.9% and firewood production decreased by 3.4% compared to the previous year. Productivity in industrial wood production was 78.1% and the ratio of wood production of classes I and II to the total production was 12.8%. In addition, the share of standing tree sales in wood production was 31.2%.
12. As a result of the inventory studies carried out on non-wood forest products, works were carried out on an area of 1.8 million hectares in 250 different species, and a total of 134 urban forests and 1,453 recreation areas were arranged in order to make the health, sports, aesthetic, cultural and social functions of forests available to the public. Also, the number of ecotourism management plans reached 28 and the number of honey forests reached 596 with 77,166 hectares as completed in accordance with the “Communiqué No. 308 on Procedures and Principles for the Management of Ecotourism Areas”.
13. The certification studies, which were initiated as a pilot study in Bolu Aladağ Forest Sub-District Directorate in 2010, were completed in 2011, and as of the end of 2020, a forest management certificate (FSC) was obtained for 4,276,219 hectares of forest area covering 80 Forest District Directorates.
14. The amount of forest roads planned for the realization of all kinds of forestry activities was revised as 340,234 km, and 208,744 km of this was completed Together with 77,960 km of village roads, highways and other roads (mining roads, plateau roads...) passing through the forest, the total length of roads that can be used in forestry services reached 286,704 km.

15. Between 2016 and 2020, 188 projects have been concluded on tree improvement, plantation forestry, protection and development of natural forests, non-wood forest products, combating erosion, pasture improvement, biodiversity, social forestry, etc. and the results have been presented to the implementation units.
16. The coverage ratio of own revenues to expenses reached 67%, and the coverage ratio for the quality and quantity of personnel needed by the units remained at 51%. The amount of area per forest sub-district directorate was concluded as 10,716 hectares.
17. Within the scope of the Forest Information System (ORBIS) Project, which was launched in 2011, a total of 41 modules were developed and the user tests and trainings were completed and made available for use. Additionally, map and document digitization processes were completed, necessary licenses were obtained and user trainings were provided.

4. Assessment of Performance Information System

The Forest Information System (ORBIS) Project, which will enable the operations and processes of the General Directorate of Forestry to be carried out electronically, was implemented as 4 main projects:

- Forest Inventory Management Information System,
- Network Infrastructure Development Project,
- Institutional Service Inventory Management and Dissemination,
- Institutional Resource Planning

and sub-components as a result of the studies carried out between 2011 and 2016.³⁶

All internal and external correspondence processes are managed through the Electronic Document Management System, and in the monitoring process of activities related to indicators included in strategic plans and performance programmes, the Electronic Document Management System (EBYS) and data recording systems (Activity Tracking System) where information technology is integrated into the process are used.

IV. ASSESSMENT OF INSTITUTIONAL ABILITY AND CAPACITY

A SWOT Analysis was carried out in line with the opinions and suggestions of stakeholders, considering the current situation of our country's forestry and future trends and expectations. In this context, the outputs of the stakeholders survey study 2016 and the PESTLE Analysis study completed in 2018 were evaluated together, and the strengths and weaknesses of the Institution, as well as the opportunities and threats, were determined with target criteria.

A. STRENGTHS

1. Organizational structure, adequate equipment, infrastructure and communication systems
2. Corporate culture, strong and dynamic financial structure
3. Planning awareness and management system
4. Orientation to information technology and speed and mobilization in actions and processes
5. Qualified human resources

B. WEAKNESSES

1. Employment policy, specialization and career planning system
2. Professional structure in workforce and production
3. Corporate effectiveness, promotion, information and awareness

³⁶ The "ORBIS Project (2011-2016) Closing Report" was evaluated and the necessity of proceeding with phase 2 of the Project arose and in this process, the "ORBIS Dissemination Project (2017-2019)" prepared for the development and integration of the required additional modules and the provision of the necessary equipment was included in the investment programme, and 17 modules were completed in 2017-2020 and the total number of modules was increased to 41. Additionally, map and document digitization processes were completed, necessary licenses were obtained and user trainings were provided.

4. Monitoring and evaluation system
5. Integration of information technology into business processes
6. Determining the value of ecosystem services

C. OPPORTUNITIES

1. Fast decision-making mechanisms
2. Increased awareness on the strengthening of civil society movements, the protection of natural resources and the importance of sustainable management
3. Increased importance of forests and forestry sector in international agreements related to forestry to which the European Union and our country are parties
4. Research partnerships and experience sharing between agricultural, forestry and livestock sectors
5. Greater cooperation with the agricultural sector, harmonization of conflicting and overlapping issues, effective organizational structuring, ease of expansion of agrosilvopastoral systems
6. Development of research methods, widespread use of information and communication technologies and increased ease of use of technology
7. Development of green economy approach and participatory planning techniques
8. Increased demand for products and services produced with Sustainable Forest Management (SFM)
9. Richness of forests in terms of species, structures, genetic diversity and ecosystem diversity
10. Increased demand for domestic wood and non-wood forest products and ease of marketing

D. THREATS

1. Climate change, air pollution and industrial waste
2. Diseases and harmful organisms originating from abroad subject to quarantine
3. Rural poverty and low income and educational levels of forest villagers
4. Increased labor and production costs and decreased young population in forest villages
5. Inefficiency in policy, plan, programme and implementation hierarchy
6. Occupational accidents and rapid change in information technology

V. RECOMMENDATIONS AND MEASURES

The “Strategic Plan 2010-2014 of the General Directorate of Forestry” prepared in accordance with the transition schedule included in the annex to the Regulation on Procedures and Principles regarding Strategic Planning in Public Administrations has been renewed to cover the periods “2013-2017” and “2017-2021” in line with the procedures and principles determined by the relevant Regulation.

With the Presidential Government System, the ministries were restructured, and the announced Presidential 100-Day Executive Programme includes the renewal of strategic plans to cover the period “2019-2023”.

Within the scope of the relevant Law, Regulation and the Presidential 100-Day Performance Programme, the Strategic Plan of the General Directorate of Forestry was revised to cover the period 2019-2023. In this process, the basic policies, priorities, targets and measures proposed in the international agreements to which our country is a party, the Development Plan, the National Forestry Programme of Türkiye, the New Economy Programme, the Medium Term Financial Plan and other high-level policy documents and national or regional strategy documents and/or action plans have been considered.

The primary goal of the General Directorate, which is responsible for protecting, developing and expanding forests and forest resources, and managing them in a sustainable manner within the integrity of the ecosystem and so as to provide multifaceted benefits to the society, is to be a leading institution in sustainable forest management practices.

Considering the biological and technical characteristics and ecological, economic, social, cultural and managerial dimensions of forest management within an ecosystem integrity taking into consideration the demands of society and the structure of the country's forests is the basic approach of today's forestry understanding.

Legal assurance of forests, effective protection against various factors, especially fires and pests, multipurpose and efficient management, afforestation for industrial and soil conservation purposes, rehabilitation works, development of special afforestation and raising public awareness on these issues, improvement of forest-public relations, benefiting from products and services provided by forests in a sustainable manner, and building of institutional capacity are among our priority goals. In addition, despite the increase in demand for forest products, public demands for functional services of natural forests other than wood production, potential afforestation areas and industrial afforestation are considered to be increasingly important in closing the future wood supply gap.

VI. ANNEXES

Annex 1: Statement of the Financial Services Unit Manager

I hereby state within the limits of my power as a financial services unit manager that:

In this Administration, activities are carried out in accordance with the financial management and control legislations and other legislations, internal control processes are conducted and monitored to ensure that public resources are used effectively, economically and efficiently, and my opinions and suggestions are reported to the senior manager in a timely manner so that the necessary measures be taken.

I hereby confirm that the information in the section “III/A- Financial Information” in the Activity Report 2020 of the Administration is reliable, complete and accurate.

22/02/2021 ANKARA

-Signed-
Zekeriyya NANE
Head of Department

Annex 2: Internal Control Assurance Statement of the Senior Manager

I hereby state within the limits of my power as a senior manager that:

The information contained in this report is reliable, complete and accurate.

I hereby declare that the resources allocated with the budget for the activities described in this report is used for the intended purposes and in accordance with the principles of good financial management and the internal control system provides adequate assurance regarding the legality and regularity of the processes.

This assurance is based on the matters within my knowledge, such as information and evaluations I have as a senior manager, internal controls, internal auditor reports and reports of the Court of Accounts.

I hereby state that I have no knowledge of any matter not reported here that would harm the interests of the Administration.

22/02/2021 ANKARA

-Signed-
Bekir KARACABEY
General Director

Annex 3: Consolidated Balance Sheet of Revolving Fund Enterprises of the General Directorate of Forestry, 2018-2020

ASSETS	2018	2019	2020
CURRENT ASSETS			
A LIQUID ASSETS	20,728,877.11	118,796,006.82	74,408,181.72
1 Cash Account	15,634.49	23,372.23	28,686.08
2 Checks Received Account			
3 Banks Account	20,505,697.95	118,481,543.48	73,958,767.13
4 Checks Given and Sending Orders			
5 Other Liquid Assets Account	207,544.67	291,091.11	420,728.51
B TRADE RECEIVABLES	1,921,036,229.67	2,383,977,632.76	3,549,333,954.49
1 Buyers Account	1,239,595,112.80	1,495,185,644.33	2,416,032,805.09
2 From Bank Credit Cards	651,934,183.79	842,354,274.11	1,062,227,432.74
3 Deposits and Guarantees Given	1,300,163.88	1,327,916.64	12,720,345.42
4 Other Trade Receivables	5,202,368.93	16,786,412.77	29,061,907.28
5 Doubtful Trade Receivables	23,004,400.27	28,323,384.91	29,291,463.96
6 Doubtful Trade Receivables			
C OTHER RECEIVABLES	145,410,537.89	304,577,995.00	386,067,868.14
1 Business to Business Financial Liabilities			
2 Receivables from Personnel	75,483.77	3,306,297.66	3,350,261.06
3 Other Miscellaneous Receivables	140,340,830.40	298,922,991.53	380,374,186.15
4 Other Doubtful Receivables	4,994,223.72	2,348,705.81	2,343,420.93
5 Other Doubtful Receivables			
D STOCKS	175,613,763.59	431,587,972.30	452,949,238.02
1 Raw Materials and Supplies	14,991,412.52	20,273,461.82	26,125,680.01
2 Finished Goods	157,683,889.50	301,062,144.67	410,482,153.19
3 Other Stocks Account	36,950.43	36,950.43	36,950.43
4 Decrease in Value of Stocks			
5 Advances Given for Purchase Orders	2,901,511.14	110,215,415.38	16,304,454.39
E CONSTRUCTION AND REPAIR COSTS OVER THE YEARS			
1 Construction and Repair Costs over the Years			
2 Advances Given to Subcontractors			
F EXPENSES AND REVENUES FOR THE FUTURE MONTHS	17,265,080.79	560,707.65	889,278.34
1 Expenses for the Future Months	17,265,080.79	560,707.65	889,278.34
2 Income Accruals Account			
G OTHER CURRENT ASSETS	31,697,121.01	30,386,324.46	29,239,165.55
1 Deferred Value Added Tax	31,196,161.13	29,996,740.17	28,145,652.59
2 Deductible Value Added Tax			
3 Other Value Added Tax			
4 Prepaid Taxes and Funds			
5 Work Advances Account			
6 Personnel Advances Account	60,000.00		
7 Count and Delivery Surplus	440,959.88	389,584.29	1,093,512.96
8 Other Miscellaneous Current Assets			
9 Other Current Assets			
TOTAL CURRENT ASSETS	2,311,751,610.06	3,269,886,638.99	4,492,887,686.26

ASSETS		2018	2019	2020
FIXED ASSETS				
H	TRADE RECEIVABLES	3,510,266.62	3,927,763.00	3,526,291.16
1	Buyers Account	38,250.51	83,048.97	69,236.84
2	Deposits and Guarantees Given	3,472,016.11	3,844,714.03	3,457,054.32
3	Other Trade Receivables			
4	Doubtful Trade Receivables			
I	OTHER RECEIVABLES	4,208,494.03	4,060,370.77	4,692,376.18
1	Business to Business Financial Liabilities			
2	Receivables from Personnel	833,508.92	859,294.34	523,423.54
3	Other Miscellaneous Receivables	3,374,985.11	3,201,076.43	4,168,952.64
4	Other Doubtful Receivables			
J	FINANCIAL FIXED ASSETS			
1	Other Financial Fixed Assets			
2	Other Financial Fixed Assets			
K	TANGIBLE FIXED ASSETS (-)	706,305,837.12	1,680,571,070.24	1,745,485,642.02
1	Lands and Parcels Account	84,233,804.38	881,826,952.35	896,202,314.67
2	Underground and Overground Structures	276,897,756.87	77,204,635.81	71,535,817.15
3	Buildings Account	541,725,739.65	672,082,926.36	687,001,209.22
4	Facilities, Machines and Devices	219,328,229.79	307,949,766.75	326,221,490.00
5	Vehicles Account	15,505,748.43	7,739,626.94	68,511,845.43
6	Fixtures Account	132,904,331.75	161,537,595.14	203,673,204.94
7	Other Tangible Fixed Assets			
8	Accumulated Depreciations	-604,206,660.88	-473,225,831.71	-549,438,136.74
9	Ongoing Investments	39,914,905.13	45,453,516.60	41,776,015.35
10	Advances Given Account	1,982.00	1,882.00	1,882.00
L	INTANGIBLE FIXED ASSETS	208,466.49	18,095.77	70,175.21
1	Rights Account	1,079,404.30	1,067,741.76	11,798,297.31
2	Other Intangible Fixed Assets			
3	Accumulated Depreciations	-870,937.81	-1,049,645.99	-11,728,122.10
4	Advances Given Account			
M	SPECIAL ASSETS SUBJECT TO DEPLETION			
1	Exploration Expenses Account			
2	Preparation and Development			
3	Accumulated Depletion			
4	Advances Given Account			
N	EXPENSES FOR FUTURE YEARS AND INCOME ACCRUALS	24,417.76	12,563,173.90	26,288,376.04
1	Expenses for the Future Years	24,417.76	12,563,173.90	26,288,376.04
2	Income Accruals Account			
O	OTHER FIXED ASSETS	0.00	0.00	0.00
1	Stocks Needed for the Future Years			
2	Stocks to Be Disposed	67,203.42	39,672.93	66,938.79
3	Prepaid Taxes and Funds			
4	Other Miscellaneous Fixed Assets			
5	Decrease in Value of Stocks			
6	Accumulated Depreciations	-67,203.42	-39,672.93	-66,938.79
TOTAL FIXED ASSETS		714,257,482.02	1,701,140,473.68	1,780,062,860.61
TOTAL ASSETS		3,026,009,092.08	4,971,027,112.67	6,272,950,546.87

LIABILITIES	2018	2019	2020
SHORT-TERM LIABILITIES			
A FINANCIAL PAYABLES			
1 Business to Business Financial Liabilities			
B TRADE PAYABLES	320,327,442.11	189,644,310.67	564,510,652.24
1 Sellers Account	703,895.22	453,350.62	134,227.09
2 Deposits and Guarantees Received	91,911,041.97	100,639,500.79	154,615,413.26
3 Other Trade Payables Account	227,712,504.92	88,551,459.26	409,761,011.89
C OTHER PAYABLES	611,934,521.31	1,191,575,686.04	1,502,825,615.34
1 Payables to Personnel Account	7,198,779.45	6,651,916.97	9,613,359.20
2 Other Miscellaneous Payables Account	604,735,741.86	1,184,923,769.07	1,493,212,256.14
D ADVANCES RECEIVED	19,054,803.27	30,613,162.59	46,942,973.26
1 Advances Received for Purchase Orders	15,225,202.03	26,304,935.94	42,393,385.76
2 Other Advances Received Account	3,829,601.24	4,308,226.65	4,549,587.50
E CONSTRUCTION AND REPAIR REVENUES OVER THE YEARS			
1 Construction and Repair Revenues over the Years			
2 Construction and Repair Revenues over the Years			
F OTHER LIABILITIES TO BE PAID	182,986,937.76	246,457,703.11	439,395,977.20
1 Taxes and Funds Payable	79,066,359.78	130,163,971.64	184,497,588.81
2 Social Security Premiums Payable	12,900,861.99	8,467,174.94	16,095,778.21
3 Revolving Fund Payable	51,123,213.77	68,073,502.01	92,270,846.27
4 Revolving Fund Contribution Payable			
5 Overdue, Deferred or Restructured Taxes and Other Fiscal Liabilities	24,029.58		
6 Other Liabilities to Be Paid	39,872,472.64	39,753,054.52	146,531,763.91
G PROVISIONS FOR LIABILITIES AND EXPENSES	-196,808,928.76	-213,063,866.79	-236,166,274.14
1 Provision for Period Profit, Taxes and Other Fiscal Liabilities			
2 Prepaid Taxes and Other Liabilities on Period Profit	-198,486,392.14	-214,600,488.97	-236,642,428.70
3 Provision for Severance Payment	1,677,463.38	1,536,622.18	476,154.56
4 Provision for Cost Expenses			
5 Provision for Other Debts and Expenses			
H REVENUES AND EXPENSES FOR THE FUTURE MONTHS	450,450,702.81		58,742,240.68
1 Revenues for the Future Months	450,450,702.81		58,742,240.68
2 Expense Accruals Account			
I OTHER SHORT-TERM LIABILITIES			44,900.00
1 Calculated Value Added Tax			
2 Other Value Added Tax			
3 Current Account for Head Office and Branch Offices			
4 Count and Delivery Surplus			44,900.00
5 Other Miscellaneous Short-Term Liabilities			
TOTAL SHORT-TERM LIABILITIES	1,387,945,478.50	1,445,226,995.62	2,376,296,084.58
LONG-TERM LIABILITIES			
J FINANCIAL PAYABLES			
1 Business to Business Financial Liabilities			
K TRADE PAYABLES	10,651,238.69	15,755,384.10	23,349,988.48
1 Sellers Account			
2 Deposits and Guarantees Received	10,651,238.69	15,755,384.10	23,286,385.08
3 Other Trade Payables Account			63,603.40
L OTHER PAYABLES	3,102,962.11	3,084,999.50	3,168,845.81
1 Other Miscellaneous Payables Account	3,102,962.11	3,084,999.50	3,168,845.81
2 Delayed or Deferred Public Debts to Pay by Installments			
M ADVANCES RECEIVED			
1 Advances Received for Purchase Orders			
2 Other Advances Received Account			
N PROVISIONS FOR LIABILITIES AND EXPENSES	325,141,828.03	338,602,043.12	395,119,461.35
1 Provision for Severance Payment	325,141,828.03	338,602,043.12	395,119,461.35
O REVENUES FOR FUTURE YEARS AND EXPENSE ACCRUALS		248,263,081.93	350,155,812.32
1 Revenues for the Future Years		248,263,081.93	350,155,812.32
2 Expense Accruals Account			
TOTAL LONG-TERM LIABILITIES	338,896,028.83	605,705,508.65	771,794,107.96

LIABILITIES		2018	2019	2020
LIABILITIES				
P	PAID UP CAPITAL	387,997,502.44	730,660,014.00	1,000,000,000.00
1	Capital Account	500,000,000.00	1,000,000,000.00	1,000,000,000.00
2	Unpaid Up Capital Account (-)	-112,002,497.56	-269,339,986.00	
Q	CAPITAL RESERVES		754,840,706.34	754,840,706.34
1	Tangible Fixed Assets		754,840,706.34	754,840,706.34
2	Value Increases Account			
R	RESERVES	337,660,221.78	340,155,053.01	343,553,861.14
1	Special Funds Account	337,660,221.78	340,155,053.01	343,553,861.14
S	ACCUMULATED PROFITS			
1	Accumulated Profits Account			
T	ACCUMULATED LOSSES			
1	Accumulated Losses Account			
U	NET PROFIT/LOSS FOR THE PERIOD	573,509,860.53	1,094,438,835.05	1,026,465,786.85
1	Net Profit for the Period	573,509,860.53	1,094,438,835.05	1,026,465,786.85
2	Net Loss for the Period (-)			
TOTAL EQUITIES		1,299,167,584.75	2,920,094,608.40	3,124,860,354.33
TOTAL LIABILITIES		3,026,009,092.08	4,971,027,112.67	6,272,950,546.87

Annex 4: Income Statement of Revolving Fund Enterprises of the General Directorate of Forestry, 2018-2020

	2018		2019		2020	
	Amount	Total	Amount	Total	Amount	Total
A-GROSS SALES		4,396,668,637.66		5,483,493,424.3		7,005,819,167.30
1 Domestic Sales Account	4,394,538,786.54		5,479,375,649.35		7,002,532,087.26	
2 Foreign Sales Account					0.00	
3 Other Revenues	2,129,851.12		4,117,774.95		3,287,080.04	
B-SALES DISCOUNTS		15,409,788.97		8,357,404.58		7,413,357.78
1 Sales Returns Account (-)	14,386,853.53		7,490,532.97		6,455,852.18	
2 Sales Discounts Account (-)	1,022,935.44		866,871.61		957,505.60	
3 Other Discounts (-)						
C-NET SALES		4,381,258,848.69		5,475,136,019.72		6,998,405,809.52
D-COST OF SALES		1,266,888,517.43		1,659,575,640.88		2,263,958,638.41
1 Cost of Goods Sold (-)	1,266,888,517.43		1,659,575,640.88		2,263,958,638.41	
2 Cost of Commercial Goods Sold (-)						
3 Cost of Services Sold						
4 Cost of Other Sales (-)						
GROSS SALES PROFITS AND LOSSES		3,114,370,331.26		3,815,560,378.84		4,734,447,171.11
E-OPERATING EXPENSES		2,727,138,149.83		2,942,730,171.28		3,934,167,246.71
1 Research and Development Expenses (-)	666,922,936.95		613,862,530.23		866,365,465.82	
2 Service Production Cost Expenses (-)						
3 Marketing, Sales and Distribution Expenses (-)	2,539,480.31		4,850,725.86		5,191,273.43	
4 General Administrative Expenses (-)	2,057,675,732.57		2,324,016,915.19		3,062,610,507.46	
OPERATING PROFITS AND LOSSES		387,232,181.43		872,830,207.56		800,279,924.40
F-REVENUES AND PROFITS FROM OTHER ORDINARY OPERATIONS		137,761,102.65		192,215,892.92		194,481,524.33
1 Dividend Income from Affiliates						
2 Dividend Income from Subsidiaries						
3 Interest Income	129,983,971.93		183,480,778.77		185,146,815.59	
4 Commission Revenues						
5 Provisions No Longer Required						
6 Inflation Adjustment Profits Account						
7 Profits on Sale of Securities						
8 Foreign Exchange Gains						
9 Rediscounted Interest Income						
10 Revenues and Profits from Operations	7,777,130.72		8,735,114.15		9,334,708.74	
G-EXPENSES AND LOSSES FROM OTHER ORDINARY OPERATIONS		2,182,126.43		3,289,048.29		3,476,773.61
1 Commission Expenses						
2 Provision Expenses						
3 Inflation Adjustment Losses Account						
4 Losses on Sale of Securities (-)						
5 Foreign Exchange Losses (-)						
6 Rediscounted Interest Expenses (-)						
7 Other Ordinary Expenses and Losses	2,182,126.43		3,289,048.29		3,476,773.61	

	2018		2019		2020	
	Amount	Total	Amount	Total	Amount	Total
I-EXTRAORDINARY REVENUES AND PROFITS		54,535,237.00		40,652,048.83		45,670,603.77
1 Revenues and Profits of the	1,842,070.47		224,429.86			
2 Other Extraordinary Revenues and Profits	52,693,166.53		40,427,618.97		45,670,603.77	
J-EXTRAORDINARY EXPENSES AND LOSSES		3,836,534.12		7,970,265.97		10,489,492.04
1 Idle Capacity Expenses and Losses (-)						
2 Expenses and Losses of the Previous Period (-)	2,521,276.64		4,853,558.48		8,846,157.26	
3 Other Extraordinary Expenses and Losses (-)	1,315,257.48		3,116,707.49		1,643,334.78	
PROFIT OR LOSS FOR THE PERIOD		573,509,860.53		1,094,438,835.05		1,026,465,786.85

REGIONAL DIRECTORATE	GENERAL FOREST AREA			GROWING STOCK			INCREMENT		
	Hectare			Cubic meter			Cubic meter		
	Normal Crown Closure	Low Crown Closure	Total	Normal Crown Closure	Low Crown Closure	Total	Normal Crown Closure	Low Crown Closure	Total
1 ADANA	496,698	255,641	752,339	54,662,849	2,350,010	57,012,859	1,690,749	43,906	1,734,655
2 AMASYA	918,489	610,786	1,529,275	85,630,360	4,476,128	90,106,488	2,343,329	111,259	2,454,588
3 ANKARA	460,237	328,647	788,884	46,195,830	1,761,151	47,956,981	1,188,782	65,243	1,254,025
4 ANTALYA	664,810	481,252	1,146,062	100,184,270	4,459,418	104,643,688	2,500,758	93,322	2,594,080
5 ARTVİN	221,532	182,163	403,695	56,359,150	1,352,668	57,711,818	1,226,199	31,852	1,258,051
6 BALIKESİR	427,902	204,136	632,038	61,629,151	1,621,200	63,250,351	1,678,037	52,174	1,730,211
7 BOLU	503,243	125,305	628,548	118,937,863	1,212,762	120,150,625	2,885,824	33,962	2,919,786
8 BURSA	541,483	229,881	771,364	71,636,357	1,553,711	73,190,068	1,873,275	52,701	1,925,976
9 ÇANAKKALE	433,329	106,453	539,782	56,934,766	1,044,962	57,979,728	1,929,956	34,341	1,964,297
10 DENİZLİ	453,094	359,074	812,168	40,130,950	3,034,377	43,165,327	1,116,205	65,200	1,181,405
11 ELAZIĞ	381,874	971,479	1,353,353	13,869,860	4,808,871	18,678,731	658,514	228,699	887,213
12 ERZURUM	191,927	348,442	540,369	23,813,982	2,836,732	26,650,714	552,718	64,128	616,846
13 ESKİŞEHİR	324,134	313,702	637,836	24,541,223	2,248,059	26,789,282	685,639	63,039	748,678
14 GİRESUN	405,961	154,849	560,810	72,768,725	1,508,205	74,276,930	2,090,864	34,951	2,125,815
15 ISPARTA	397,136	371,680	768,816	30,643,752	2,408,619	33,052,371	772,916	40,538	813,454
16 İSTANBUL	542,198	97,486	639,684	56,380,242	687,312	57,067,554	1,984,858	16,020	2,000,878
17 İZMİR	559,781	461,246	1,021,027	44,823,417	2,378,629	47,202,046	1,564,386	115,560	1,679,946
18 KAHRAMANMARAŞ	418,964	450,165	869,129	37,107,211	2,936,456	40,043,667	1,191,430	78,931	1,270,361
19 KASTAMONU	989,205	250,293	1,239,498	194,389,165	2,241,066	196,630,231	5,672,145	55,319	5,727,464
20 KAYSERİ	341,545	526,590	868,135	18,985,495	2,904,379	21,889,874	396,516	75,400	471,916
21 KÜTAHYA	412,079	234,473	646,552	49,096,334	2,008,435	51,104,769	1,384,782	48,264	1,433,046
22 KONYA	402,135	467,951	870,086	17,447,030	2,595,952	20,042,982	495,735	77,054	572,789
23 MERSİN	468,129	367,405	835,534	44,722,826	3,521,534	48,244,360	1,124,306	80,854	1,205,160
24 MUĞLA	749,122	406,792	1,155,914	73,138,228	3,930,039	77,068,267	2,146,944	95,805	2,242,749
25 SAKARYA	311,335	40,118	351,453	35,420,296	309,055	35,729,351	1,217,646	8,245	1,225,891
26 ŞANLIURFA	291,808	1,047,325	1,339,133	7,880,590	5,863,425	13,744,015	386,823	241,296	628,119
27 TRABZON	429,017	196,191	625,208	75,974,784	1,803,439	77,778,223	1,798,322	54,069	1,852,391
28 ZONGULDAK	527,262	79,046	606,308	114,990,688	903,013	115,893,701	2,852,420	27,789	2,880,209
TOTAL	13,264,429	9,668,571	22,933,000	1,628,295,394	68,759,606	1,697,055,000	45,410,077	1,989,923	47,400,000

Annex 6: Distribution of Forest Cadastre Project Implementation Results by Regional Directorates of Forestry, 2020

REGIONAL DIRECTORATE	2/B IMPLEMENTATION CONDUCTED UNDER FOREST LAW NO. 6831			CORRECTING THE TECHNICAL MISTAKES OF THE UNITS WITH FOREST CADASTRE AND MAKING THEM READY FOR REGISTRATION ACCORDING TO FOREST LAW NO. 6831			IMPLEMENTATION RESULT	
	PROGRAMME		IMPLEMENTATION	PROGRAMME		IMPLEMENTATION	Number/Unit	TRY
	Number/Unit	TRY	Number/Unit	Number/Unit	TRY			
1 ADANA	64	576,000	46				46	312,211
2 AMASYA	128	1,152,000	145				145	917,402
3 ANKARA	51	576,000	40	13			40	295,211
4 ANTALYA	34	1,296,000	35	110	273,000	49	84	469,930
5 ARTVİN	16	144,000	35				35	223,857
6 BALIKESİR		144,000	4	17	604,000	13	17	791,761
7 BOLU	32	288,000	23				23	135,451
8 BURSA	29	864,000	31	67	23,000	1	32	755,598
9 ÇANAKKALE	31	288,000	36	1	7,000	1	37	268,383
10 DENİZLİ	9	576,000	3	55	225,000	27	30	250,218
11 ELAZIĞ	48	432,000	62				62	383,137
12 ERZURUM	16	180,000	26				26	257,274
13 ESKİŞEHİR	32	288,000	21				21	123,151
14 GİRESUN	127	1,152,000	98				98	622,794
15 İSPARTA	29	576,000	9	35	181,000	15	24	290,737
16 İSTANBUL	72	1,008,000	93	40	37,000	3	96	1,207,895
17 İZMİR	73	1,296,007	86	71	23,000	3	89	692,144
18 KAHRAMANMARAŞ	80	720,000	58				58	629,493
19 KASTAMONU	112	1,008,000	55				55	1,030,554
20 KAYSERİ	64	576,000	65				65	354,208
21 KONYA	48	432,000	25				25	177,057
22 KÜTAHYA	32	288,000	22				22	230,153
23 MERSİN	13	432,000	17	35	144,000	11	28	368,786
24 MUĞLA	83	1,008,000	56	29	79,000	7	63	716,901
25 SAKARYA	2	864,000	37	94	481,000	54	91	811,623
26 ŞANLIURFA	22	140,000	24				24	81,225
27 TRABZON	192	1,728,000	186				186	734,190
28 ZONGULDAK	19	432,000	20	29	332,000	21	41	649,760
TOTAL	1,458	18,464,007	1,358	596	2,409,000	205	1,563	13,781,101
CENTER		6,535,993						
DIRECTORATE OF LAND REGISTRY AND CADASTRE								9,400,000
GRAND TOTAL	1,458	25,000,000	1,358	596	2,409,000	205	1,563	23,181,101

Annex 7: Distribution of Forest Management Project Implementation Results by Regional Directorates of Forestry, 2020

REGIONAL DIRECTORATE	PROGRAMME		IMPLEMENTATION					
	Hectare	TRY	Chief Engineering Directorates		Services Procurement		TOTAL	
			Hectare	TRY	Hectare	TRY	Hectare	TRY
1 ADANA							0	0
2 AMASYA	387,422	7,026,000			387,422	6,995,689	387,422	6,995,689
3 ANKARA		50,000		44,250			0	44,250
4 ANTALYA		200,000		194,408			0	194,408
5 ARTVIN							0	0
6 BALIKESİR	109,325	1,250,000	109,325	1,073,433			109,325	1,073,433
7 BOLU	114,954	3,660,000			114,954	3,666,221	114,954	3,666,221
8 BURSA							0	0
9 ÇANAKKALE	133,232	2,650,000			133,232	2,606,991	133,232	2,606,991
10 DENİZLİ							0	0
11 ELAZIĞ	470,736	500,000	470,736				470,736	0
12 ERZURUM							0	0
13 ESKİŞEHİR							0	0
14 GİRESUN							0	0
15 İSPARTA	693,557	6,000,000			693,557	5,863,697	693,557	5,863,697
16 İSTANBUL		950,000		784,434			0	784,434
17 İZMİR							0	0
18 KAHRAMANMARAŞ							0	0
19 KASTAMONU	34,354	174,000	34,354	96,760			34,354	96,760
20 KAYSERİ							0	0
21 KONYA							0	0
22 KÜTAHYA							0	0
23 MERSİN							0	0
24 MUĞLA	10,000	6,000	10,000				10,000	0
25 SAKARYA							0	0
26 ŞANLIURFA							0	0
27 TRABZON							0	0
28 ZONGULDAK							0	0
CENTER		94,000					0	0
TOTAL	1,953,580	22,560,000	624,415	2,193,285	1,329,165	19,132,598	1,953,580	21,325,883

Annex 8: Distribution of Forest Fire Numbers by Regional Directorates of Forestry, 2020

REGIONAL DIRECTORATE	NEGLIGENCE/CARELESSNESS		DELIBERATE		ACCIDENT		UNDETERMINED CAUSE		LIGHTENING		TOTAL	
	Number	Hectare	Number	Hectare	Number	Hectare	Number	Hectare	Number	Hectare	Number	Hectare
1 ADANA	26	42.67	9	3.12	10	7.36	124	2,702.37	17	20.02	186	2,775.54
2 AMASYA	28	45.80	3	32.76	1	0.03	115	478.09	11	5.79	158	562.47
3 ANKARA	14	12.26			2	0.68	42	767.47	9	0.72	67	781.13
4 ANTALYA	44	33.73	21	22.60	17	121.19	141	199.34	37	22.72	260	399.58
5 ARTVİN	8	2.17					5	6.89	6	9.19	19	18.25
6 BALIKESİR	54	46.94	1	0.03	2	51.61	15	5.11	8	0.54	80	104.23
7 BOLU	23	16.50	0	0.00	1	1.00	22	156.00	12	30.16	58	203.66
8 BURSA	19	26.67	0	0.00	7	33.28	34	36.00	9	1.40	69	97.35
9 ÇANAKKALE	80	856.79	1	0.09	17	66.99	10	4.77	15	1.37	123	930.01
10 DENİZLİ	5	4.98	4	7.50	1	4.90	26	524.14	3	0.31	39	541.83
11 ELAZIĞ	6	3.90			18	27.31	123	178.19	2	0.90	149	210.30
12 ERZURUM	6	18.00			1	4.00	26	34.92			33	56.92
13 ESKİŞEHİR	11	16.78			2	22.06	10	29.22			23	68.06
14 GİRESUN	45	55.17					26	29.55			71	84.71
15 ISPARTA	8	20.09			3	0.53	29	21.86	31	6.81	71	49.29
16 İSTANBUL	32	43.40	2	1.60			163	271.25			197	316.25
17 İZMİR	252	2,629.31	4	13.33	16	1,466.67			13	0.92	285	4,110.22
18 KAHRAMANMARAŞ	45	57.08	5	617.00	15	101.45	189	4,608.06	10	25.10	264	5,408.69
19 KASTAMONU	41	47.66	1	0.21	13	1,328.42	146	571.06	10	11.63	211	1,958.98
20 KAYSERİ	4	8.22			4	0.71	17	49.60	3	22.16	28	80.69
21 KONYA	4	12.69					28	58.45	2	0.40	34	71.54
22 KÜTAHYA	8	4.64			3	7.41	37	103.32	10	2.59	58	117.96
23 MERSİN	48	123.07	5	0.72	16	371.85	9	3.96	9	9.55	87	509.15
24 MUĞLA	20	228.16	12	6.44	19	15.78	196	553.65	82	11.17	329	815.19
25 SAKARYA	72	59.52	2	1.03	5	2.31	54	27.04	2	0.11	135	90.02
26 ŞANLIURFA	8	46.82			12	69.69	217	295.75	5	11.11	242	423.37
27 TRABZON	36	51.94	2	11.50	1	2.00	22	34.67			61	100.11
28 ZONGULDAK	19	57.74			4	4.95	33	20.43	6	2.33	62	85.45
TOTAL	966	4,572.69	72	717.91	190	3,712.18	1,859	11,771.16	312	197.00	3,399	20,970.94
RATE (%)	28.42	21.80	2.12	3.42	5.59	17.70	54.69	56.13	9.18	0.94	100	100.00

Annex 9: Distribution of Forest Crime Numbers by Regional Directorates of Forestry, 2020

REGIONAL DIRECTORATE	CUTTING DOWN		TRANSPORTING		POSSESSING		CONSUMPTION		DEFORESTATION- CUTTING DOWN			OCCUPATION		GRAZING		HUNTING CRIMES		TOTAL
	Number	M ³	Number	M ³	Number	M ³	Number	M ³	Number	Decare	M ³	Number	Decare	Number	Number of Animals	Number	Number of Animals	Number
1 ADANA	239	1,435	61	111	45	52	5	14	279	1,894	131	533	3,302	66	2,652			1,228
2 AMASYA	455	3,507	83	480	106	41	17	11	335	1,356	2,856	374	1,232	61	2,048			1,431
3 ANKARA	89	456	4	3	4	2	1	1	29	170	1	31	112	45	6,348			203
4 ANTALYA	201	2,062	14	62	24	10	2	3	395	1,195	66	369	1,040	48	3,302			1,053
5 ARTVIN	183	14,932	5	19	14	45			49	175	233	21	38					272
6 BALIKESİR	155	1,621	16	53	16	25			64	409	32	61	158	9	309			321
7 BOLU	149	1,257	20	28	21	89	8	20	76	197	574	222	637	3	280			499
8 BURSA	115	625	42	88	12	79			79	542	11	136	860	3	186			387
9 ÇANAKKALE	83	5,006	4	34	6	29			36	123	8	99	587	8	342			236
10 DENİZLİ	89	208	13	9	23	21	6	5	61	256	13	98	387	12	347			302
11 ELAZIĞ	66	302	19	22	5	5	0	0	81	160	105	83	216	11	623			265
12 ERZURUM	155	6,524	42	45	26	89	3	6	6	7		9	11	25	3,330			266
13 ESKİŞEHİR	65	1,874	22	5	19	15			46	272		79	99	97	6,461			328
14 GİRESUN	305	6,455	33	45	19	45			268	1,377	1,225	178	621	3	295			806
15 İSPARTA	54	181	9	80	14	29			44	575		41	78	130	7,535			292
16 İSTANBUL	84	1,198	13	22	8	20	1	5	114	465	559	357	761	3	79			580
17 İZMİR	163	686	26	58	8	14			571	2,025	43	218	703	54	3,564			1,040
18 KAHRAMANMARAŞ	165	200	134	62	48	18	4	8	409	1,857		341	1,300	19	1,325			1,120
19 KASTAMONU	328	2,953	20	23	47	53	14	20	46	61	81	96	128					551
20 KAYSERİ	49	970	10	25	18	22	5	2	141	854		99	184	59	3,613			381
21 KONYA	61	92	8	5	31	17	4	4	74	622	11	83	463	163	12,586			424
22 KÜTAHYA	108	366	27	20	29	33	4	6	29	382	66	26	43	6	618	1		230
23 MERSİN	108	1,709	17	14	14	5			398	1,517	193	264	1,304	76	6,268			877
24 MUĞLA	131	2,108	13	85	18	450	12	34	325	2,012	11	256	975	21	1,086			776
25 SAKARYA	339	6,696	55	139	46	67	2	3	542	1,885	6,361	281	846	1	3			1,266
26 ŞANLIURFA	69	153	44	181	2	5			153	1,584	8	101	1,045	26	1,868			395
27 TRABZON	221	3,587	10	25	18	26	2	1	190	526	365	93	56	13	197			547
28 ZONGULDAK	303	1,593	22	52	60	76	2	3	256	209	662	93	185					736
TOTAL	4,532	68,756	786	1,795	701	1,382	92	146	5,096	22,707	13,615	4,642	17,371	962	65,265	1	0	16,812

M³: Cubic meter

NOTE: Quintal values are not included in the amount of property confiscated as a result of forest crimes.

Annex 10 Distribution of Forest Pest and Disease Control Implementation Results by Regional Directorates of Forestry, 2020

REGIONAL DIRECTORATE	BIOLOGICAL CONTROL		BIOTECHNICAL CONTROL		CHEMICAL CONTROL		MECHANICAL CONTROL		Bird Nests			Ant Transplantation			Production of Predatory Insects			Establishment of Islets/Wire Cages				
	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Number	Hectare	TRY	Number	Hectare	TRY	Number	Hectare	TRY	Number	Hectare	TRY		
	1 ADANA	6,794	148,115	12,233	258,707			5,251	107,658	6,000	3,249	97,415						29,950		18,700	40	272
2 AMASYA	1,542	105,987	70	3,060	530	117,125	139	750	2,740	512	86,652	8	9	2,586						25	1,022	16,750
3 ANKARA	1,450	196,028	5,967	55,159	564	22,825	103	10,410	2,000	400	74,850	40	43	73,109	3,000					33	896	48,069
4 ANTALYA	3,690	247,191	842	32,420			33	14,446	3,000	600	87,000				61,800		151,967					
5 ARTVİN	1,906	225,111	3,101	298,880			105	35,240	1,000	134	34,750				62,747		96,412					
6 BALIKESİR	5,307	81,433	7,087	97,447			527	2,670	1,600	1,291	47,456				2,393		4,772	95	2941.34		29205	
7 BOLU	658	51,780	511	24,843			2,942	108,169	1,200	211	32,800								2	29	18,980	
8 BURSA	3,213	492,639	4,588	147,897	501	226,146	518	212,135	2,200	642	68,200				28,317		402,549	102	728		6,890	
9 ÇANAKKALE	235	29,000	5,618	152,931					1,000	100	24,000				2,000					40	131	5,000
10 DENİZLİ	474	71,725	457	38,673			943	281,028	1,000	207	35,600				10,040		15,000					
11 ELAZIĞ	100	33,000							1,000	100	33,000											
12 ERZURUM	920	10,032					2,033		165	822												
13 ESKİŞEHİR	1,406	311,350	1,751	114,085			205	2,150	6,000	1,359	191,850	50	47	119,500								
14 GİRESUN	2,602	260,150	5,467	152,320			956	12,500	5,027	1,491	129,000				57,020		131,150					
15 İSPARTA	7,875	205,655	801	51,260			1,336	28,140	3,055	910	91,044				13,965		40,000	219	6,379		74,611	
16 İSTANBUL	2,680	260,992	4,806	203,770	266	66,230	78	169,473	4,000	1,048	117,450				3,500		10,000	38	1,285		133,542	
17 İZMİR	31,186	574,838	28,765	360,905			14,877	77,026	2,000	400	40,600	2	2		186,123		216,605	475	9,526		138,891	
18 KAHRAMANMARAŞ	5,206	166,058	2,879	114,009			10,031	789,168	2,000	400	44,500				35,700		50,701	103	2,919		70,857	
19 KASTAMONU	861		15,167	186,658			1,604	292,243							34,285							
20 KAYSERİ	300	33,000	377	96,631			500	67,000	1,500	300	33,000											
21 KONYA	1,068	122,454					2,019	175,094	4,500	1,068	122,454											
22 KÜTAHYA	362	32,650	857	100,242	197	151,000	216	89,800	990	362	32,650											
23 MERSİN	2,648	63,310	1,647	103,510			113	2,942	4,000	1,385	44,080				22,000		19,230					
24 MUĞLA	6,295	46,712	2,620	145,864			504		1,300	1,956	46,712									9	4,339	
25 SAKARYA	2,219	74,362							1,500	365	36,500	6	6	6,378	21,550		15,754	17	653		15,730	
26 ŞANLIURFA	178	27,900							1,050	178	27,900											
27 TRABZON	1,492	428,634	45	18,550					1,000	251	34,250				40,000		394,384					
28 ZONGULDAK	1,122	97,966	543	97,267			693	308,970	500	470	58,830				11,894		38,136	2	44		1,000	
TOTAL	93,790	4,398,071	106,198	2,855,088	2,059	583,326	45,725	2,787,013	61,327	20,210	1,672,542	106	107	201,573	626,284	0	1,605,360	1,200	31,165	591,525		

Annex 11.1 : Distribution of Forest Roads Implementation Results by Regional Directorates of Forestry, 2020

REGIONAL DIRECTORATE	NEW ROADS				MAJOR REPAIR				SUPERSTRUCTURE				BRIDGES				CULTURAL STRUCTURE				PLANNING				APPLICATION				TOTAL OF INVESTMENT PROGRAMME		
	Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme	Implementation	
	KM	TRY	KM	TRY	KM	TRY	KM	TRY	KM	TRY	KM	TRY	M	TRY	M	TRY	KM	TRY	KM	TRY	NUMB	TRY	NUMB	TRY	KM	TRY	KM	TRY	TRY	TRY	
1 ADANA	128	4,680,000	138	4,629,254	33	1,006,000	38	990,369	15	265,000	15	260,445	10	285,000	10	298,713	63	880,000	68	887,713	9	425,000	9	430,558						7,541,000	7,497,052
2 AMASYA	143	4,765,000	143	4,765,001	53	927,000	53	927,000	5	100,000	5	100,000					55	1,134,000	55	1,134,000	18	510,000	18	469,577						7,436,000	7,395,578
3 ANKARA	85	2,551,000	88	1,786,725	41	615,000	59	609,051									77	1,616,000	88	1,296,326	17	680,000	18	543,229						5,462,000	4,235,331
4 ANTALYA	110	3,750,000	110	3,902,259	40	800,000	40	800,457									90	2,830,000	90	2,737,592	10	320,000	10	313,187						7,700,000	7,753,495
5 ARTVİN	40	1,430,000	40	1,471,108	40	450,000	40	432,640	17	300,000	17	252,143					45	490,000	45	378,027	4	120,000	4	116,653						2,790,000	2,650,571
6 BALIKESİR	66	1,588,000	66	1,351,353	14	280,000	14	277,035									81	1,776,000	81	1,670,600	14	440,000	11	335,910						4,084,000	3,634,898
7 BOLU	183	6,086,000	181	6,179,633	119	1,636,000	122	1,677,572	159	2,750,000	159	2,681,339					148	2,967,000	147	2,479,531	10	280,000	10	229,969						13,719,000	13,248,044
8 BURSA	112	3,345,000	113	2,794,256	79	740,000	83	676,899	29	570,000	29	637,632	30	650,000	30	623,734	74	1,560,000	84	1,715,027	12	480,000	12	373,740						7,345,000	6,821,288
9 ÇANAKKALE	37	640,000	37	627,178													51	1,020,000	51	1,033,403	6	160,000	6	191,261						1,820,000	1,851,842
10 DENİZLİ	85	2,550,000	91	2,547,054	55	660,000	55	659,977	35	700,000	45	700,000					85	1,700,000	114	1,700,000	6	240,000	6	233,977						5,850,000	5,841,008
11 ELAZIĞ	15	450,000	13	223,682	6	120,000	6	68,654												2	80,000	2	77,000						650,000	369,336	
12 ERZURUM	36	591,000	36	504,722	15	185,000	15	77,342	15	212,000	15	208,339					5	110,000	5	110,003										1,098,000	900,406
13 ESKİŞEHİR	58	1,595,000	61	1,573,722	38	480,000	44	422,070	10	320,000	10	135,000					43	860,000	54	792,034	7	280,000	7	266,722						3,535,000	3,189,548
14 GİRESUN	137	5,663,000	158	5,659,584	38	834,000	63	813,568	10	250,000	43	250,000	15	630,000	15	630,000	78	1,716,000	81	1,716,000	13	520,000	13	520,000						9,613,000	9,589,152
15 İSPARTA	68	2,215,000	74	2,118,372	3	55,000	3	34,496									39	620,000	39	625,703										2,890,000	2,778,572
16 İSTANBUL	30	990,000	32	781,919	38	646,000	38	577,756	22	300,000	22	349,056					62	1,120,000	72	1,213,939	6	160,000	6	172,881						3,216,000	3,095,551
17 İZMİR	149	4,565,000	153	3,659,705	34	670,000	34	670,000	2	44,000	2	37,000					95	2,195,000	95	1,685,144	9	280,000	9	261,437						7,754,000	6,313,286
18 KAHRAMANMARAŞ	45	1,422,000	46	1,126,793	24	432,000	24	242,450									26	542,000	26	459,333										2,396,000	1,828,576
19 KASTAMONU	257	8,750,000	254	7,343,398	115	2,875,000	115	2,355,644	88	1,760,000	69	1,771,118					160	3,150,000	158	3,320,496	33	1,000,000	33	672,518						17,535,000	15,463,174
20 KAYSERİ	117	3,330,000	111	2,372,174	31	440,000	34	371,157	23	374,000	23	427,519					12	180,000	12	158,332	7	300,000	7	312,603						4,624,000	3,641,785
21 KONYA	34	775,000	34	774,254																4	160,000	4	159,990						935,000	934,244	
22 KÜTAHYA	84	2,160,000	93	2,178,722	110	1,975,000	119	1,933,119	69	1,820,000	78	1,628,728					127	2,964,000	153	2,896,205	8	280,000	8	267,801						9,199,000	8,904,576
23 MERSİN	95	3,950,000	123	3,617,941	30	750,000	46	685,726									70	1,460,000	86	1,385,606	16	640,000	16	602,946						6,800,000	6,292,219
24 MUĞLA	133	5,430,000	130	4,316,095	181	3,275,000	189	2,559,046	32	950,000	32	1,005,564					206	3,982,000	229	3,552,332	22	930,000	22	602,247						14,567,000	12,035,284
25 SAKARYA	67	2,124,000	65	1,816,942	17	259,000	17	169,255	30	733,000	30	608,218					63	1,193,000	63	1,131,819	10	347,000	10	371,921						4,656,000	4,098,155
26 ŞANLIURFA	20	480,000	20	481,702	13	212,000	13	280,830												8	309,000	8	307,186						1,001,000	1,069,718	
27 TRABZON	140	5,820,000	147	5,916,485	19	674,000	20	592,930	32	765,000	40	673,439					50	1,239,000	50	1,363,650	10	400,000	10	439,553						8,898,000	8,986,057
28 ZONGULDAK	136	4,920,000	119	4,066,291	80	2,000,000	69	1,164,491	77	1,925,000	77	1,742,777					130	3,250,000	125	2,785,363	19	760,000	19	650,778						12,855,000	10,409,700
TOTAL	2,610	86,615,000	2,675	78,586,324	1,266	22,996,000	1,354	20,069,534	670	14,138,000	710	13,468,317	55	1,565,000	55	1,552,447	1,935	40,554,000	2,071	38,228,178	280	10,101,000	278	8,923,644	0	0	0	0	175,969,000	160,828,445	

KM: Kilometer M: Meter

Annex 11.2: Distribution of Forest Roads Implementation Results by Regional Directorates of Forestry, 2020

REGIONAL DIRECTORATE	FIRE SAFETY ROAD CONSTRUCTION			FIRE SAFETY ROAD MAINTENANCE			TOWER HUT ROAD CONSTRUCTION			TOWER HUT ROAD MAINTENANCE			TRACTOR ROAD CONSTRUCTION			PRODUCTION PATH REPAIR AND MAINTENANCE			INTERNAL WAREHOUSE PATH			TOTAL		
	Programme	Implementation	Include	Programme	Implementation	Include	Programme	Implementation	Include	Programme	Implementation	Include	Programme	Implementation	Include	Programme	Implementation	Include	Programme	Implementation	Include	Programme	Implementation	Include
	KM	TRY	TRK	KM	TRY	TRK	KM	TRY	TRK	KM	TRY	TRK	KM	TRY	TRK	KM	TRY	TRK	KM	TRY	TRK	KM	TRY	TRK
1 ADANA																								
2 AMASYA	8	24,000	24,000																					
3 ANKARA																								
4 ANTALYA																								
5 ARTVİN																								
6 BALIKESİR	5	16,000	5																					
7 BOLU																								
8 BURSA	20	122,720	200,000																					
9 ÇANAKKALE																								
10 DENİZLİ																								
11 ELAZIĞ	10	27,000	10																					
12 ERZURUM																								
13 ESKİŞEHİR																								
14 GİRSEK																								
15 İSPARTA																								
16 İSTANBUL																								
17 İZMİR	5	30,000	5																					
18 KAHRAMANMARAŞ																								
19 KASTAMONU	10	31,000	10																					
20 KAYSERİ																								
21 KONYA																								
22 KÜTAHYA	10	30,000	10																					
23 MERSİN	30	206,728	210,000																					
24 MUĞLA																								
25 SAKARYA																								
TOTAL	178	772,100	772,100	0	0	0	0	0	0	0	0	0	1,564	13,985,300	173,300	171,251	174	2,794,000	167	2,592,306	106,442,300	90,210,850	2,774,000	

Annex 12.1 : Distribution of Silviculture Implementation Results by Regional Directorates of Forestry, 2020

REGIONAL DIRECTORATE	REGENERATION MAINTENANCE				FREQUENT MAINTENANCE				CULTIVATION MAINTENANCE				PRUNING				INITIAL THINNING		TRANSFORMATION OF COPPICE					
	Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme		Implementation	
	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY
1 ADANA	10,532	3,892,105	10,900	3,892,105	9,669	2,412,183	10,217	2,412,183	15,100	3,433,548	15,866	3,433,548	400	321,275	454	321,275	2,195	2,169	534	29,384	589	29,384		
2 AMASYA	4,786	2,480,282	4,850	2,480,282	12,253	1,782,271	13,944	1,782,271	393	94,257	393	94,257	85	31,259	85	31,259	5,857	8,555	4,436	367,084	10,204	367,084		
3 ANKARA	2,836	1,710,431	3,178	1,710,431	5,376	1,573,457	5,862	1,573,457	1,876	496,377	1,874	496,377	90	20,804	90	20,804	1,267	1,278	2,600	26,391	2,529	26,391		
4 ANTALYA	9,984	4,242,497	10,245	4,242,497	8,026	2,258,005	8,565	2,258,005	3,565	1,016,994	3,596	1,016,994	125	64,391	106	64,391	1,975	1,764						
5 ARTVİN	745	229,369	795	229,369	247	89,550	293	89,550	2,683	2,029,503	2,683	2,029,503							30	30,000	40	30,000		
6 BALIKESİR	7,432	4,064,319	7,432	4,064,319	4,537	1,468,335	4,950	1,468,335	4,173	1,629,117	4,216	1,629,117	1,269	690,052	1,281	690,052	3,919	4,248	1,340	101,626	2,505	101,626		
7 BOLU	11,175	4,366,908	11,241	4,366,908	3,131	659,324	3,317	659,324	865	772,451	865	772,451	500	188,229	535	188,229	3,670	3,790						
8 BURSA	6,003	3,516,190	6,270	3,516,190	7,860	1,520,972	8,497	1,520,972	3,920	948,229	3,970	948,229	411	363,779	484	363,779	5,464	5,007	12,903	1,472,191	13,057	1,472,191		
9 ÇANAKKALE	4,533	1,960,972	4,572	1,960,972	6,084	1,276,853	6,521	1,276,853	1,948	792,581	2,116	792,581	729	650,523	1,161	650,523	5,977	6,392	1,624	10,402	1,559	10,402		
10 DENİZLİ	8,483	3,584,812	8,540	3,584,812	13,622	2,721,606	14,691	2,721,606	5,225	1,558,125	5,335	1,558,125	629	822,306	714	822,306	4,627	4,710	245	58,566	245	58,566		
11 ELAZIĞ					200		100		200	112,976	395	112,976					150	180	250	33,735	211	33,735		
12 ERZURUM	1,947	297,816	2,078	297,816	2,375	102,895	2,021	102,895	1,548	212,336	1,520	212,336	45	15,660	39	15,660	448	398	770		372			
13 ESKİŞEHİR	1,947	934,411	1,947	934,411	3,111	454,095	3,113	454,095	1,542	634,586	1,542	634,586					834	849	992	88,597	1,684	88,597		
14 GİRESUN	7,532	5,171,491	7,613	5,171,491	5,584	2,948,171	5,788	2,948,171	3,335	1,928,644	3,335	1,928,644	80	15,680	80	15,680	2,930	3,028						
15 İSPARTA	7,270	2,465,904	7,383	2,465,904	5,508	988,558	6,576	988,558	7,303	2,256,443	7,373	2,256,443	473	125,820	423	125,820	1,169	1,183						
16 İSTANBUL	4,195	3,078,309	4,232	3,078,309	8,692	793,576	9,011	793,576	1,309	800,854	1,257	800,854	461	375,337	478	375,337	3,755	3,568	21,622	1,764,583	20,882	1,764,583		
17 İZMİR	12,750	5,205,227	12,356	5,205,227	9,002	2,704,254	9,923	2,704,254	11,065	3,236,930	10,870	3,236,930	1,261	767,171	1,277	767,171	1,310	1,669	1,740	238,013	2,078	238,013		
18 KAHRAMANMARAŞ	10,107	3,692,706	10,214	3,692,706	4,290	570,608	4,623	570,608	7,801	1,903,193	8,016	1,903,193	177	86,851	231	86,850	1,470	1,061	182	16,807	262	16,807		
19 KASTAMONU	7,512	3,404,531	8,005	3,404,531	5,606	1,967,352	15,306	1,967,352	721	825,093	847	825,093	105	49,100	106	49,100	2,860	5,756	1,200	147,327	1,170	147,327		
20 KAYSERİ	3,101	2,062,510	3,219	2,062,510	1,931	153,199	1,972	153,199	4,700	637,827	4,803	637,827					449	288	4,173	96,319	4,655	96,319		
21 KONYA	1,100	474,786	1,100	474,786	4,168	467,549	3,805	467,549	5,271	2,828,383	5,271	2,828,383	3	1,277	3	1,277	1,251	1,545	4,360	167,191	5,766	167,191		
22 KÜTAHYA	5,049	2,558,689	5,141	2,558,689	5,552	1,342,469	6,013	1,342,469	3,235	1,603,239	3,276	1,603,239					3,904	3,913	1,460	35,914	1,588	35,914		
23 MERSİN	7,542	2,244,328	8,354	2,244,328	12,802	2,739,412	12,980	2,739,412	3,831	1,012,802	3,994	1,012,802	163	48,322	163	48,322	4,044	4,169						
24 MUĞLA	17,609	5,910,715	18,334	5,910,715	10,825	2,719,000	11,046	2,719,000	10,276	2,035,280	10,280	2,035,280	1,725	391,364	1,950	391,364	3,480	3,842	400	7,718	460	7,718		
25 SAKARYA	3,748	1,684,263	3,753	1,684,263	5,259	1,066,686	5,278	1,066,686	2,179	943,507	2,085	943,507	75	37,000	75	37,000	5,791	5,218	3,174	271,760	2,769	271,760		
26 ŞANLIURFA						16,092	110	16,092	5,300	1,949,148	6,161	1,949,148							600		218			
27 TRABZON	561	410,059	575	410,059	803	313,099	803	313,099	3,719	3,466,223	3,799	3,466,223					230	230						
28 ZONGULDAK	5,062	3,187,226	5,357	3,187,226	3,245	1,718,924	3,517	1,718,924	1,808	1,482,780	1,827	1,482,780	202	170,702	202	170,702	3,899	4,504						
TOTAL	163,538	72,830,857	167,683	72,830,857	159,758	36,828,494	178,839	36,828,494	114,891	40,641,427	117,563	40,641,427	9,007	5,236,902	9,936	5,236,901	72,923	79,393	64,635	4,963,606	72,843	4,963,606		

Annex 12.2: Distribution of Silviculture Implementation Results by Regional Directorates of Forestry, 2020

REGIONAL DIRECTORATE	SILVICULTURAL PLANS				NATURAL REGENERATION				ARTIFICIAL REGENERATION				YARDOP				PROTECTION OF REGENERATION AND CULTIVATION AREAS							
	Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme				Implementation			
	Numb	TRY	Number	TRY	Hectare	TRY	Hectar	TRY	Hectare	TRY	Hectar	TRY	Hectare	TRY	Hectare	TRY	K.T.K/AD.	GUARD/AD	TRY	K.T.K/AD.	GUARD/AD	K.T.K/TL	GUARD/TL	
1 ADANA			19		2.887	9.549,678	3.815	9.549,678	931	4.407,643	1.233	4.407,643	750		1.100		0	0	0	0	0	0	0	0
2 AMASYA	35		4		674	5.256,619	1.351	5.256,619	17	79.005	21	79.005				0	0	110,122	0	4	0	0	110,122	
3 ANKARA	20	95,001	20	95,001	945	3.436,874	1.183	3.436,874		394,671	56	394,671				1	0	0	0	0	0	0	0	
4 ANTALYA					2.394	11,863,417	4.055	11,863,417	263	1.475,145	429	1.475,145	1.000			0	0	0	0	0	0	0	0	
5 ARTVİN					72	496,813	325	496,813	139	371,133	143	371,133				0	0	0	0	0	0	0	0	
6 BALIKESİR	24		145		1.404	11,275,115	2.255	11,275,115	340	2.600,605	347	2.600,605	300		300	0	99	3.050,168	0	109	0	0	3.050,168	
7 BOLU	30	5,000	20	5,000	4.840	14,186,238	5.625	14,186,238	124	142,398	104	142,398				5	0	113,625	5	0	0	113,625	0	
8 BURSA					1.802	10,964,134	3.240	10,964,134	257	809,969	258	809,969				0	0	0	0	0	0	0	0	
9 ÇANAKKALE	22	10,000	6	10,000	1.215	2,342,305	1.049	2,342,305	271	930,923	341	930,923	150		150	0	0	0	0	0	0	0	0	
10 DENİZLİ			11		1.925	5,613,760	1.983	5,613,760	380	1,558,619	380	1,558,619				0	0	0	0	0	0	0	0	
11 ELAZIĞ									20		23					4	0	11,907	4	0	0	11,907	0	
12 ERZURUM					311	1,111,030	431	1,111,030	47	11,867	5	11,867				13	0	26,438	6	0	0	26,438	0	
13 ESKİŞEHİR					948	3,899,444	958	3,899,444	21	448,962	54	448,962				0	0	0	0	0	0	0	0	
14 GİRESUN		50,000	5	50,000	634	5,468,894	1.174	5,468,894	264	1,951,340	356	1,951,340				0	106	2,626,277	0	214	0	0	2,626,277	
15 İSPARTA	49	36,413	10	36,413	932	1,885,283	1.015	1,885,283	81	151,902	81	151,902				28	0	150,257	25	0	0	150,257	0	
16 İSTANBUL			23		90	5,337,753	1.564	5,337,753	1.015	5,219,375	1.119	5,219,375				0	0	0	0	0	0	0	0	
17 İZMİR	5		33		4.810	12,069,967	4.199	12,069,967	1.328	8,171,703	2.386	8,171,703	1.000		1.000	0	0	0	0	0	0	0	0	
18 KAHRAMANMARAŞ	54	44,420	26	44,420	1.345	3,652,760	1.668	3,652,760	289	2,584,626	455	2,584,626				4	53	293,532	3	42	22,758	270,774	0	
19 KASTAMONU					2.324	9,747,727	3.403	9,747,727	16	45,666	16	45,666				0	0	0	0	0	0	0	0	
20 KAYSERİ	18	31,200	14	31,200	874	4,475,931	930	4,475,931	297	1,301,219	300	1,301,219				36	3	409,083	26	0	0	409,083	0	
21 KONYA			4		598	2,261,490	696	2,261,490	337	1,179,383	376	1,179,383				0	0	0	0	0	0	0	0	
22 KÜTAHYA		23,216	8	23,216	2.404	11,587,911	2.506	11,587,911	177	831,517	258	831,517				0	0	14,906	1	0	0	14,906	0	
23 MERSİN			8		2.339	4,415,321	2.591	4,415,321	238	442,375	292	442,375	300			0	0	0	0	0	0	0	0	
24 MUĞLA			27		3.022	8,156,365	3.527	8,156,366	161	298,589	177	298,589	500		500	0	0	0	0	0	0	0	0	
25 SAKARYA					420	2,996,198	1.029	2,996,198	204	599,274	111	599,274				0	13	143,591	0	10	0	0	143,591	
26 ŞANLIURFA									30	90,768	28	90,768				2	3	20	2	4	20	0	0	
27 TRABZON					58	1,197,107	192	1,197,107	735	6,407,162	793	6,407,162				0	43	426,508	0	40	0	0	426,508	
28 ZONGULDAK	50	78,000	49	78,000	259	13,299,111	2.477	13,299,111								0	0	0	0	0	0	0	0	
TOTAL	307	373,251	432	373,251	39,525	166,547,247	53,240	166,547,247	7,982	42,505,839	10,139	42,505,839	4,000	0	3,050	0	93	320	7,376,432	72	423	748,993	6,627,439	

Annex 13.1 : Distribution of Afforestation, Soil Conservation and Integrated Basin Improvement Projects
Implementation Results by Regional Directorates of Forestry, 2020

REGIONAL DIRECTORATE	SURVEY-PROJECT				AFFORESTATION				INDUSTRIAL AFFORESTATION				AFFORESTATION/INDUSTRIAL AFFORESTATION MAINTENANCE				SPECIAL AFFORESTATION		REHABILITATION				REHABILITATION MAINTENANCE				
	Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme		Implementation		Implementation		Programme		Implementation		Programme		Implementation		
	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	Loans (TRY)	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	
1 ADANA	2,000	20,000	2,178	20,000	35	120,000	36	70,102	1,500	10,009,800	1,553	11,568,241	3,849	4,139,000	3,849	2,925,258			600	403,520	622	419,138	1,156	611,200	1,206	280,452	
2 AMASYA	5,500	55,000	5,909	13,164	30	920,000	138	610,306	267	2,366,400	254	1,718,316	8,000	5,113,000	7,950	6,613,460	2,915,017	4,389	1,975	334,530	2,918	121,778	783	470,600	1,318	175,733	
3 ANKARA	3,000	30,000	2,011	27,887	483	4,830,000	508	2,547,104					10,500	6,263,000	7,000	8,709,814	206	410,511	544	2,490	647,691	3,262	777,112	3,000	1,500,000	2,000	1,205,844
4 ANTALYA	1,000	10,000	1,350		18	108,000	21	250,000	508	3,570,600	504	3,334,972	1,087	835,000	1,087	1,000,000	57,473		248	256,112	258	246,112	297	188,400	297	120,000	
5 ARTVİN	2,041	15,000	2,192	5,000	30	333,000	30	333,000					170	190,000	170	190,000			772	595,395	843	550,395	1,369	562,400	1,369	531,361	
6 BALIKESİR	2,500	25,000	2,550	25,000	96	120,000	96	120,000	458	4,394,000	458	4,393,711	3,553	1,696,000	3,553	1,691,344	137	3,100,844	115	203,112	221	203,112	230	206,000	230	206,000	
7 BOLU	315	2,000	315		33	360,000	103	1,732,899	30	1,970,000	31	780,000	600	331,000	600	218,204	30,094		400	108,806	444	108,806	70	84,000	70	12,427	
8 BURSA	1,600	16,000	1,703	7,780	30	1,720,000	155	86,140	1,406	8,612,400	1,449	10,314,722	3,450	3,404,000	3,450	3,479,873	144,707		1,570	451,583	1,189	401,583	268	167,600	240	67,171	
9 ÇANAKKALE	5,000	50,000	5,007	14,160	30	4,120,000	30	120,000	1,750	2,081,800	1,459	8,083,989	4,040	4,841,500	4,060	2,907,000	73	242,582	313	171,132	341	171,132	280	154,000	280	89,000	
10 DENİZLİ	2,348	11,000	2,349		30	180,000	25	58,932	2,200	14,480,050	2,200	13,463,460	6,600	3,530,950	6,600	4,464,089	105	1,311,612	2,461	836	306,879	1,381	347,745	40	20,000	40	25,604
11 ELAZIĞ	28,440	300,000	33,050	238,442	532	3,620,000	563	3,306,957					8,000	8,375,000	11,000	8,090,231	221	1,714,203	1,247	4,805	2,329,014	5,446	1,440,259	1,750	570,000	2,279	63,897
12 ERZURUM	3,400	170,000	8,355		50	335,400	602	288,063					7,500	4,870,000	7,200	5,423,947	85,751		3,350	241,397	2,804	141,397	373	265,600	373	26,250	
13 ESKİŞEHİR	3,440	33,000	3,565	87,255	665	6,317,800	910	4,633,860					6,700	7,500,000	6,700	9,214,299	16	53,558	567	249,412	1,402	300,485	1,960	1,260,000	1,960	1,117,647	
14 GİRESUN	2,500	25,000	2,730		39	312,000	39	277,601					2,020	2,927,000	2,020	2,994,248			550	1,257,473	811	1,308,600	240	120,000	240		
15 İSPARTA	1,300	13,000	1,666		54	212,300	54	56,450	1,238	9,280,000	1,252	6,634,326	6,000	780,000	6,255	3,507,320	6	68,663	4,797	310	200,000	639	121,838	503	80,000	503	214,326
16 İSTANBUL			2,030	83,300	619	2,520,000	382	2,616,822	881	5,652,700	975	6,218,815	6,069	4,523,500	6,020	4,016,999	149,058	12,081	459	269,537	388	169,537	1,270	392,800	469	228,100	
17 İZMİR	2,000	20,000	13,223		2,440	3,352,000	2,135	15,913,227	1,862	29,047,000	1,863	13,717,996	12,919	4,168,000	12,919	6,641,054	3,637,857	5,384	985	1,425,874	1,248	1,511,706				32,371	
18 KAHRAMANMARAŞ	4,500	45,000	8,598	270,565	689	2,520,000	1,304	2,437,297	1,840	20,841,000	1,789	13,730,260	13,895	4,660,000	12,807	10,906,729	327,136	22,969	986	785,240	1,023	859,609	3,929	925,000	3,929	1,524,570	
19 KASTAMONU	500	5,000	709		30	120,000	30	153,968	163	850,000	163	791,717	3,500	1,388,000	4,223	1,478,030	50,323	4,305	758	203,403	1,930	173,473	260	144,000	270	112,709	
20 KAYSERİ	4,000	40,000	4,482	35,758	100	909,000	609	2,003,028					9,050	10,702,050	9,050	9,769,982	108	347,190	4,050	1,556,396	4,493	1,519,642	4,450	2,288,000	4,450	2,165,483	
21 KONYA	8,000	80,000	8,352	80,000	225	600,000	287	1,143,640	104	7,269,600	105	771,147	6,810	4,043,000	6,810	8,592,612	744	859,538	931	1,600	1,200,507	3,331	1,587,421	2,667	1,681,400	2,667	2,692,861
22 KÜTAHYA	1,139	10,000	1,139	10,000	144	500,000	144	635,453	506	2,840,000	507	2,238,000	4,120	1,050,400	4,120	1,512,000	15	131,233	1,592	473,852	1,970	708,252	1,307	805,400	1,307	571,400	
23 MERSİN	900	10,000	942		45	893,350	52	96,984	1,000	5,095,650	1,008	7,707,411	7,000	5,641,000	7,000	4,704,819	148	1,347,252	712	558,137	993	479,344	2,670	1,405,000	2,670	570,056	
24 MUĞLA	7,750	77,500	12,443	521,459	115	547,500	126	482,133	2,200	17,891,000	2,200	18,968,639	5,859	3,565,000	6,133	3,023,612	256,232		1,856	974,737	2,665	403,448	900	450,000	819	54,317	
25 SAKARYA	200	2,000	450	80,224	30	120,000	38	100,000	1,991	9,025,000	1,447	7,840,119	3,945	3,766,000	4,010	4,753,000	100,000		272	192,307	315	352,307	1,100	585,000	1,100	475,000	
26 ŞANLIURFA	7,300	60,000	22,962	14,997	806	4,242,600	811	838,214					3,314	2,676,000	3,314	4,471,246	2,594	18,700,636	9,381	8,000	11,720,740	14,790	13,228,004	1,233	331,400	1,567	469,119
27 TRABZON	5,275	53,000	4,025		60	561,750	60	300,000					3,320	5,750,000	3,320	5,690,000	2	66,927	550	135,721	561	154,721	2,695	219,600	2,695	500,347	
28 ZONGULDAK	1,000	10,000	1,099	43,382	8	480,000	31	525,075	96	2,165,000	96	2,294,091	980	943,000	980	616,591	45,791		287	198,170	287	323,905	190	95,000	242	62,796	
CENTER						5,300				930,000				1,095,600											1,600		
TOTAL	106,948	1,187,500	155,382	1,578,373	7,466	40,980,000	9,320	41,737,255	20,000	158,372,000	19,312	134,569,930	152,850	108,767,000	152,200	127,605,762	4,374	36,154,188	68,489	41,007	27,450,677	56,576	28,130,861	34,990	15,584,000	34,589	13,592,841

Amount of Afforestation Activities Carried out by Other Institutions: 109 hectares

Annex 13.2: Distribution of Afforestation, Soil Conservation and Basin Improvement Results by Regional Directorates of Forestry, 2020

REGIONAL DIRECTORATE	SOIL CONSERVATION				SOIL CONSERVATION AND MAINTENANCE				PASTURE IMPROVEMENT				AVALANCHE CONTROL PROJECT MAKING				AVALANCHE CONTROL				AVALANCHE CONTROL MAINTENANCE				FLOOD CONTROL			TOTAL		
	Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme		Implementation	Implementation	Programme	Implementation				
	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	Hectare	TRY	TRY	TRY				
1	ADANA	300	550,000	300	342,095	4,800	1,400,000	4,800	1,664,274	200	120,000	200	53,335													2,070,000	2,059,704			
2	AMASYA	1,220	3,850,000	1,393	3,842,631	17,000	4,300,000	17,000	4,314,571	500	300,000	500	216,269													8,450,000	8,373,471			
3	ANKARA	590	2,424,000	839	1,414,406	8,650	3,046,000	8,287	4,085,300																	5,470,000	5,499,706			
4	ANTALYA					1,100	310,000	1,100	309,800																	310,000	309,800			
5	ARTVIN	1,200	1,673,000	1,200	1,460,120	5,650	1,180,000	5,650	1,143,264	50	212,000	50	196,172													3,065,000	2,799,556			
6	BALIKESİR																				750	50,000	750	48,420		50,000	48,420			
7	BOLU	10	28,000	10	28,000	100	25,000	100	20,826	200	120,000	201	118,887								200	587,000	200	584,342		760,000	752,055			
8	BURSA	50	102,000	50	67,076	150	38,000	150	72,924																	140,000	140,000			
9	ÇANAKKALE									150	20,000	150	19,588													20,000	19,588			
10	DENİZLİ	100	275,000	100	238,591	3,385	565,000	3,250	591,269																	840,000	829,860			
11	ELAZIĞ	4,896	5,652,000	4,945	5,339,266	38,500	10,828,000	39,500	8,709,964	1,370	3,865,000	2,077	3,544,676													20,345,000	17,593,906			
12	ERZURUM	2,687	4,792,000	2,987	4,867,604	18,226	3,060,000	18,283	2,694,678	3,840	3,190,000	4,463	3,628,943													11,042,000	11,191,225			
13	ESKİŞEHİR	1,200	3,707,000	1,215	4,105,557	7,450	3,283,000	7,450	2,559,067	650	180,000	650	474,850													7,170,000	7,139,474			
14	GİRESUN	400	1,100,000	420	1,011,310	9,600	3,255,000	9,600	3,150,129	1,000	120,000	1,000	300,130													4,475,000	4,461,569			
15	ISPARTA	400	1,100,000	400	762,656	4,400	1,100,000	4,400	1,431,212																	2,200,000	2,193,868			
16	İSTANBUL																									0	0			
17	İZMİR	200	550,000	200	1,986,715	3,500	875,000	3,520	969,752					30	3,405,000	15	10	200,000	10	83,213						5,030,000	5,026,635			
18	KAHRAMANMARAŞ	670	1,963,000	670	2,289,369	5,700	3,677,000	10,991	3,283,414	100	60,000	100	76,700													5,700,000	5,649,483			
19	KASTAMONU					2,400	220,000	2,400	280,422	200	120,000	200	49,614													340,000	330,036			
20	KAYSERİ	1,950	5,363,000	1,950	4,342,880	28,450	9,337,000	28,450	10,353,202																	14,700,000	14,696,082			
21	KONYA	400	1,100,000	404	1,024,068	9,000	3,750,000	9,000	3,705,786	200	120,000	200	213,074													4,970,000	4,942,928			
22	KÜTAHYA					150		150																		0	0			
23	MERSİN	100	425,000	100	164,399	3,100	1,185,000	3,100	1,433,720																	1,610,000	1,598,119			
24	MUĞLA					500		500																		0	0			
25	SAKARYA					100		100																		0	0			
26	ŞANLIURFA	1,300	4,113,000	1,354	3,138,373	18,250	5,416,000	18,539	6,210,676	100	60,000	100	30,000													9,589,000	9,379,049			
27	TRABZON	250	1,002,000	350	1,269,393	2,300	1,380,000	2,300	1,139,000	500	330,000	547	330,000	10	196,000	10	196,000	20	100,000	20	100,000	1,000	1,751,000	1,000	1,700,000	4,759,000	4,734,393			
28	ZONGULDAK	50	34,000	50	30,000	65	16,000	65	12,887																	50,000	42,887			
	TOTAL	17,973	39,803,000	18,937	37,724,509	192,526	58,246,000	198,685	58,136,137	9,060	8,817,000	10,438	9,252,238	10	196,000	10	196,000	30	3,405,000	15	30	300,000	30	183,213	1,950	2,388,000	1,950	2,332,762	113,155,000	109,811,814

Annex 14: Distribution of Sapling and Seed Production Results by Regional Directorates of Forestry, 2020

REGIONAL DIRECTORATE	SAPLING PRODUCTION				SAPLING MAINTENANCE				SEED PRODUCTION				SEED MAINTENANCE			
	Programme		Implementation		Programme		Implementation		Programme		Implementation		Programme		Implementation	
	Thousand (pcs)	Thousand TRY	Thousand (pcs)	Thousand TRY	Thousand (pcs)	Thousand TRY	Thousand (pcs)	Thousand TRY	Tonne	Thousand TRY	Tonne	Thousand TRY	Tonne	Thousand TRY	Tonne	Thousand TRY
1 ADANA	7,300	5,250	7,355	5,222	2,760	580	2,760	557	5	170	5	170	4	40	4	40
2 AMASYA	7,250	5,250	7,264	4,921	5,670	1,344	6,051	1,295	13	434	7	428	5	15	5	
3 ANKARA	7,066	5,450	7,066	5,299	9,070	1,780	9,070	1,761	9	416	4	416	4	20	4	20
4 ANTALYA	4,000	1,570	4,000	2,236	1,850	360	1,850	355	4	200	1	40	6	24	6	
5 ARTVİN	800	380	800	342	750	120	750	117	2	70	2	70				
6 BALIKESİR	16,096	6,583	16,096	6,452	1,754	420	1,754	420	8	270	7	270	7	30	7	30
7 BOLU	1,600	1,560	1,600	1,512	1,240	270	1,240	250	2	50	2	50	0	0	0	0
8 BURSA	2,000	2,201	2,000	2,226	1,030	230	1,030	230	4	160	2	89	5	20	5	20
9 ÇANAKKALE	5,388	2,680	5,390	2,286	690	150	690	257	5	250	2	150				
10 DENİZLİ	7,353	3,410	7,453	3,378	775	180	775	180	2	100	3	100	5	30	9	30
11 ELAZIĞ	11,930	7,770	11,980	7,246	4,225	1,170	4,225	1,520	18	589	18	589	2	6	2	6
12 ERZURUM	7,600	2,660	7,600	2,600	4,140	600	4,140	562	6	204	4	142	3	10	3	8
13 ESKİŞEHİR	10,708	6,220	11,023	6,082	6,430	1,030	6,430	1,100	8	274	9	274	10	35	10	35
14 GİRESUN	2,600	1,934	3,118	2,044	1,440	320	1,440	286	3	105	3	12	3	10	3	10
15 İSPARTA	6,500	2,150	6,500	1,955	4,730	460	4,730	273	6	300	3	78	7	35	7	10
16 İSTANBUL	4,250	4,170	4,250	4,154	3,620	1,110	3,620	1,083	5	255	8	227				
17 İZMİR	9,358	4,950	9,345	4,339	3,880	810	3,880	810	7	244	2	151	12	36	12	36
18 KAHRAMANMARAŞ	11,540	6,142	11,540	6,045	8,830	1,894	8,830	1,534	8	320	7	218	6	30	6	0
19 KASTAMONU	2,000	1,564	2,176	1,856	4,125	870	4,125	699	7	300	4	145	3	24	3	24
20 KAYSERİ	10,356	6,520	10,356	6,404	4,309	820	4,309	820	9	360	8	356				
21 KONYA	5,875	2,680	5,875	2,396	8,030	1,250	8,030	1,244	5	175	5	86	8	30	8	20
22 KÜTAHYA	700	790	700	779	880	350	880	203	3	120	3	120				
23 MERSİN	5,500	2,994	5,500	3,028	2,500	490	2,500	474	7	217	4	100				
24 MUĞLA	8,316	5,410	9,782	5,360	1,550	310	1,870	300	6	225	4	225	5	20	5	20
25 SAKARYA	2,000	1,500	2,000	1,672	1,780	440	1,780	425	2	70	2	31				
26 ŞANLIURFA	9,100	5,856	9,100	5,340	1,707	350	1,707	828	13	474	13	474				
27 TRABZON	5,500	4,328	5,500	4,230	3,910	1,250	4,984	1,228	6	228	6	228	5	15	5	15
28 ZONGULDAK	2,315	2,050	2,315	1,942	2,400	520	2,400	511	7	270	8	230	5	20	5	20
TOTAL	175,000	104,022	177,683	101,345	94,075	19,478	95,850	19,323	180	6,850	1	5,468	105	450	109	344

Annex 15: Distribution of Loans Provided to Forest Villages and Cooperative Associations by Regional Directorates of Forestry, 2020

REGIONAL DIRECTORATE	INDIVIDUAL LOANS												COOPERATIVE LOANS			
	WORK PROGRAMME						IMPLEMENTATION						Number of Projects	Amount of Loan Approved Appropriation Submitted		Realization
	Social		Economic		TOTAL		Social		Economic		TOTAL			TRY	TRY	
	Number of Families	TRY	Number of Families	TRY	Number of Families	TRY	Number of Families	TRY	Number of Families	TRY	Number of Families	TRY				
1 ADANA	33	132,000	440	12,535,664	473	12,667,664	33	132,000	440	12,535,664	473	12,667,664				
2 AMASYA	25	52,500	241	8,951,750	266	9,004,250	24	50,400	239	8,819,610	263	8,870,010				
3 ANKARA	115	1,294,228	208	6,705,772	323	8,000,000	115	1,294,228	208	6,705,772	323	8,000,000				
4 ANTALYA			86	3,364,205	86	3,364,205			77	2,986,087	77	2,986,087				
5 ARTVİN	522	2,060,945	28	1,150,750	550	3,211,695	522	2,060,945	28	1,150,750	550	3,211,695				
6 BALIKESİR			259	7,295,769	259	7,295,769			259	7,295,769	259	7,295,769				
7 BOLU	351	4,496,500	212	4,503,500	563	9,000,000	351	4,493,854	212	4,485,273	563	8,979,127				
8 BURSA	51	352,688	314	10,637,675	365	10,990,363	51	352,688	314	10,637,658	365	10,990,346	1	280,000	280,000	280,000
9 ÇANAKKALE			178	5,985,677	178	5,985,677			178	5,985,681	178	5,985,681				
10 DENİZLİ			378	11,643,450	378	11,643,450			378	11,643,450	378	11,643,450				
11 ELAZIĞ	44	493,000	414	12,798,753	458	13,291,753	44	493,000	414	12,798,753	458	13,291,753				
12 ERZURUM			196	7,121,239	196	7,121,239			194	6,990,544	194	6,990,544				
13 ESKİŞEHİR	16	200,500	332	9,670,000	348	9,870,500	16	200,500	332	9,670,000	348	9,870,500				
14 GİRESUN	374	6,087,500	426	13,118,969	800	19,206,469	374	6,087,500	426	13,118,969	800	19,206,469				
15 ISPARTA			272	7,135,010	272	7,135,010			272	7,134,591	272	7,134,591				
16 İSTANBUL	15	210,000	208	6,793,888	223	7,003,888	15	210,000	208	6,790,000	223	7,000,000				
17 İZMİR			393	9,852,572	393	9,852,572			393	9,852,572	393	9,852,572				
18 KAHRAMANMARAŞ			177	7,809,936	177	7,809,936			177	7,809,936	177	7,809,936				
19 KASTAMONU			174	14,805,000	174	14,805,000			174	14,805,000	174	14,805,000	1	300,000	300,000	300,000
20 KAYSERİ	15	322,500	200	7,394,300	215	7,716,800	15	322,500	197	7,064,300	212	7,386,800				
21 KONYA			428	11,882,079	428	11,882,079			428	11,847,481	428	11,847,481				
22 KÜTAHYA			281	8,737,000	281	8,737,000			281	8,737,000	281	8,737,000				
23 MERSİN			257	8,702,250	257	8,702,250			257	8,702,250	257	8,702,250				
24 MUĞLA			198	5,000,000	198	5,000,000			191	4,820,000	191	4,820,000				
25 SAKARYA	112	1,316,648	227	6,647,317	339	7,963,965	112	1,316,648	227	6,647,317	339	7,963,965				
26 ŞANLIURFA			176	5,297,945	176	5,297,945			176	5,289,945	176	5,289,945				
27 TRABZON	413	1,684,900	217	6,729,622	630	8,414,522	413	1,682,643	217	6,469,959	630	8,152,602				
28 ZONGULDAK	34	392,700	232	9,833,300	266	10,226,000	34	392,700	232	9,833,300	266	10,226,000				
TOTAL	2,120	19,096,609	7,152	232,103,391	9,272	251,200,000	2,119	19,089,605	7,129	230,627,631	9,248	249,717,236	2	580,000	580,000	580,000

Annex 16: Distribution of Wood Production and Sales Programme Implementation Results by Regional Directorates of Forestry, 2020

REGIONAL DIRECTORATE	STANDING BARKED STEM VOLUME		PRODUCTION STATUS				SALES STATUS									
			Industrial Wood		Firewood		Programme	Standing		Industrial Wood		Firewood		Stick		SALES REVENUE
	Programme	Realization	Programme	Realization	Programme	Realization		Tree Sales	Realization	Realization	Realization	Realization	Realization			
	Thousand M ³	Thousand M ³	Thousand M ³	Thousand M ³	Thousand Steres	Thousand Steres	Thousand TRY	Thousand M ³	Thousand TRY	Thousand M ³	Thousand TRY	Thousand Steres	Thousand TRY	Thousand Steres	Thousand TRY	Thousand TRY
1 ADANA	1,500	1,500	1,200	1,219	240	243	307,737	370	67,161	928	279,183	225	13,051			359,394
2 AMASYA	1,800	1,879	1,440	1,419	445	443	275,235	338	57,273	1,085	262,282	454	17,620			337,175
3 ANKARA	800	867	640	651	175	126	160,408	221	42,566	479	144,605	124	2,581			189,751
4 ANTALYA	1,700	1,468	1,420	1,120	405	313	300,891	1,083	207,657	251	70,491	312	5,495			283,643
5 ARTVİN	430	412	330	310	75	75	70,027	320	49,215	66	29,468	63	563			79,246
6 BALIKESİR	1,600	1,600	1,280	1,066	295	289	350,603	460	91,569	649	193,974	267	8,227			293,769
7 BOLU	2,500	2,468	1,975	1,792	255	256	625,141	317	66,736	1,441	538,427	240	4,837	1		610,000
8 BURSA	1,700	1,709	1,360	1,406	370	339	365,248	520	100,267	920	260,523	293	11,553			372,343
9 ÇANAKKALE	1,200	1,295	950	945	300	222	257,764	480	96,579	548	141,602	256	15,986			254,167
10 DENİZLİ	950	990	780	799	130	277	206,971	322	63,400	531	155,605	555	3,284			222,289
11 ELAZIĞ	60	71	45	12	85	49	6,591	25	1,927	5	694	29	2,061			4,682
12 ERZURUM	400	355	320	238	90	64	95,201	51	9,065	220	85,532	58	3,114			97,710
13 ESKİŞEHİR	450	441	360	334	120	103	80,582	123	19,421	245	59,090	111	4,353			82,865
14 GİRESUN	1,050	1,055	850	848	125	108	188,852	208	41,368	667	202,566	98	2,591			246,525
15 ISPARTA	670	667	540	528	110	98	124,000	489	90,012	124	33,855	362	1,896			125,764
16 İSTANBUL	1,450	1,320	1,170	1,206	500	374	240,687	451	108,283	680	156,232	442	14,445			278,960
17 İZMİR	1,550	1,389	1,270	1,262	190	106	288,369	619	121,355	742	156,444	390	4,132			281,931
18 KAHRAMANMARAŞ	750	758	600	595	110	162	133,621	375	60,873	289	88,230	148	6,662			155,765
19 KASTAMONU	3,500	3,618	2,800	2,824	415	446	803,668	672	136,813	2,230	671,939	456	14,328			823,080
20 KAYSERİ	370	384	300	304	60	63	68,371	211	21,108	131	36,799	86	1,866			59,773
21 KONYA	300	364	200	273	65	57	33,504	238	34,597	80	12,420	30	2,050	12		49,079
22 KÜTAHYA	1,000	1,036	780	762	200	175	189,974	313	53,688	521	150,144	179	3,817			207,649
23 MERSİN	1,050	1,014	860	827	150	112	215,680	508	84,811	385	115,224	62	3,285			203,320
24 MUĞLA	1,600	1,553	1,300	1,291	175	230	355,672	305	57,579	996	288,898	981	7,522			353,999
25 SAKARYA	1,070	992	800	749	285	264	182,139	262	57,503	479	117,429	266	17,650	51		192,634
26 ŞANLIURFA	0	12	0	4	110	91	7,163	8	963		34	85	5,922			6,919
27 TRABZON	550	430	400	320	45	69	81,162	430	72,861	1	350	38	828			74,039
28 ZONGULDAK	2,000	2,051	1,630	1,648	225	243	535,342	196	40,481	1,416	486,607	263	6,831			533,919
TOTAL	32,000	31,700	25,600	24,751	5,750	5,397	6,550,601	9,914	1,855,128	16,109	4,738,646	6,874	186,551	0	64	6,780,390

Annex 17: Distribution of Non-Wood Forest Products and Services by Regional Directorates of Forestry, 2020

REGIONAL DIRECTORATE	NON-WOOD PRODUCTS INVENTORY RESULTS			URBAN FORESTS			RECREATION AREAS		
	Area	Growing Stock/Yield	Established	Cancelled	Existing	Established	Cancelled	Existing	
	Hectare	Tonne	Number	Number	Number	Number	Number	Number	
1 ADANA	92	1,117			1	2	1	28	
2 AMASYA	5,297	755	2	1	10	9	2	63	
3 ANKARA	25,080	16,106			8	2	1	23	
4 ANTALYA	66,262	18,271	1		7	6	4	136	
5 ARTVİN	12,181	349			1	2		17	
6 BALIKESİR	7,411	3,083			1	1		17	
7 BOLU	2,806	446			3	4	2	46	
8 BURSA	3,779	2,010		1	5	3		92	
9 ÇANAKKALE	2,336	677			1	7		34	
10 DENİZLİ	896	355			6	3		47	
11 ELAZIĞ	23,792	1,094			6	1	1	15	
12 ERZURUM	17,893	4,551		1	6	2		23	
13 ESKİŞEHİR	16,242	1,174		1	5	4	1	27	
14 GİRESUN	21,858	2,827			4	1	2	47	
15 İSPARTA	14,914	3,252			4	2		22	
16 İSTANBUL	11,591	1,622			16	9		169	
17 İZMİR	67,224	12,200			7	2	3	83	
18 KAHRAMANMARAŞ	14,031	4,087			5	1		46	
19 KASTAMONU	4,344	37,995			3	1		31	
20 KAYSERİ	10,320	218			2	2	1	12	
21 KONYA	4,135	2,240			7	3	3	46	
22 KÜTAHYA	23,840	5,055			2	2		16	
23 MERSİN	13,109	7,094			1	3	1	34	
24 MUĞLA	759	1,059	1		5	7	4	96	
25 SAKARYA	10,644	7,539			5	11	2	178	
26 ŞANLIURFA	31,572	9,844			6	1		10	
27 TRABZON	93,529	5,196			3	2	1	51	
28 ZONGULDAK	17,727	42,908			4	4	2	44	
TOTAL	523,664	193,124	4	4	134	97	31	1,453	



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