Chapter: 3103 Ministry of Transport/Meteorology Department

Creation:	Meteorology Department of Jordan was established as a meteorology and weather forecast office at Jerusalem Airport in 1951,the Meteorology joined the membership of World Meteorology Organization in 1955 and joined the membership of the Arab League Meteorology Subcommittee in the same year under Bylaw No. (19) for the year 1967, the Meteorology Department became an independent department affiliated to the Ministry of Transport.
Vision :	A leading department and a specialized reference in the field of meteorology
Mission:	Observing weather and climate phenomena and issuing early alarms on climate and weather events to minimize losses in life and property as well as contributing to sustainable development.

Legal Framework : Bylaw No. (19) for the year 1967

Tasks of the Ministry / Department:

- Establish a network of meteorology stations and forecast offices as well as centers for weather meteorology researches for agricultural and water affairs.
- Monitor meteorology stations, forecast offices and research centers.
- _ Exchange of meteorology information between the Hashemite Kingdom of Jordan and abroad.
- Conduct scientific studies and researches
- Provide private companies and institutions and persons with climate information for wages by a decision of the Minister and placement of the Director, except the international obligations.
- Issue weather news and provide forecasts.
- Train technicians that are needed by the Department, provide training programs and give certificates to those who complete successfully the training programs.

Ministry/Department Contribution to the Achievement of the National Objectives:

Improve the infrastructure and its returns (Jordan can have an efficient and high-quality infrastructure and facilities).

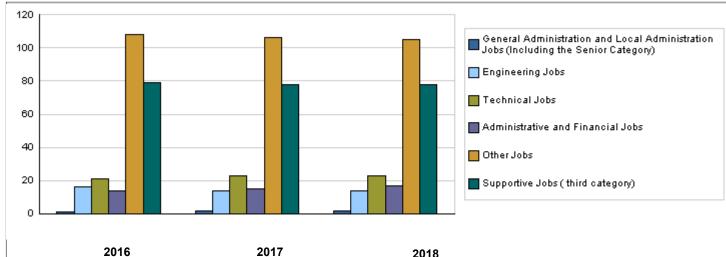
Major Issues and Challenges which face the Ministry / Department:

- _ Attrition of trained and qualified scientific competencies.
- _ Weakness of broad understanding for the importance and role of meteorology in society.
- _ Scarcity of specialization and insufficient number of graduates in meteorology
- Lack of financial resources because of the department depends on the public Treasury.
- _ Weakness of salaries and allowances for technical jobs compared to neighboring countries.
- Slowness in issuing the applicable bylaws for department's work.

CHAPTER : 3103 Ministry of Transport/Meteorology Department

Strate	gic Objectives and Performa	ance Ir	dicato	rs of th	e Minis	stry / De	partme	nt	
Strategic Objective	Performance Indicator	Base year	Value	Actual Value 2016	Target Value 2017	Preliminary Self Evaluation 2017	Ta 2018	arget Valu 2019	e 2020
1 - To contribute to protecting the lives and properties	1 Exactitude and comprehensiveness of information provided to the beneficiaries	2009	%60	%80	%90	%86	<u>~~~~</u> %90	%92	%94
2 - To develop the department services and	1 Number of annual training courses	2009	40	70	80	75	85	90	95
upgrade the institutional	2 Renew the quality certificate ISO	2014	1	1	1	1	1	1	1
and individual	3 Number of meteorology stations	2009	28	40	60	55	70	80	85
performance level	4 Degree of service recipients' satisfaction	2009	%70	%85	%90	%88	%90	%92	%94
	5 Area covered by meteorology to total area of the Kingdom	2009	%40	%55	%82	%70	%82	%87	%90

	Number of Staff	of the	Ministr	y / Dep	oartme	nt				
Group	Job		2016			2017		Pr	elimina 2018	iry
-		Male	Female	Total	Male	Female	Total	Male	Female	Total
General Administration and Local Administration Jobs (Including the Senior Category)	Supervisory jobs	1	0	1	2	0	2	2	0	2
Engineering Jobs	Engineer	14	2	16	12	2	14	12	2	14
Technical Jobs	Technical jobs	16	5	21	18	5	23	18	5	23
Administrative and Financial Jobs	Administrative and financial jobs	9	5	14	9	6	15	11	6	17
Other Jobs	Meteorologist / Predictor	102	6	108	100	6	106	99	6	105
Supportive Jobs (third category)	Assistant employee	74	5	79	73	5	78	73	5	78
	Total	216	23	239	214	24	238	215	24	239
	Total Cost of Salaries	1504073	167119	1671192	1503900	167100	1671000	1582200	175800	1758000



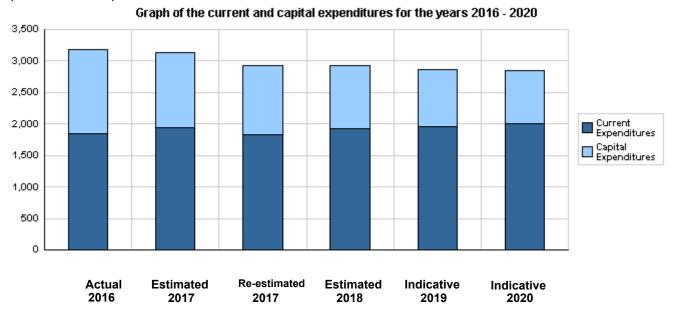
		Key Information of	of the Ministry / D	epartment	T	
No.	Description	2014	2015	2016	2017	2018
1	Issuing (3 weather forecasts bulletin daily) over the year	1095	1095	1095	1095	1095
2	Issuing flight route maps/annually	33945	34000	34500	35000	37000
3	Issuing special weather forecast bulletin for aviation purposes /annually	70080	70080	70080	70080	70080
4	Launching air balloons/annually	730	730	730	730	730

Overall Summary of Expenditures for Chapter 3103- Ministry of Transport/Meteorology Department

for the Years 2016 - 2020

							(In JDs
		Actual	Estimated	Re-estimated	Estimated	Ind	icative
	Description	2016	2017	2017	2018	2019	2020
Group		Current E	xpenditures		1	1	
2111	Salaries, Wages and Allowances	1,512,289	1,657,000	1,565,000	1,608,000	1,636,000	1,665,000
2121	Social Security Contributions	158,903	106,000	106,000	150,000	153,000	157,000
2211	Use of Goods and Services	170,455	171,000	150,000	160,000	165,000	170,000
2821	Other Current Expenditures	4,124	6,000	6,000	6,000	6,000	6,000
	Total current expenditures	1,845,771	1,940,000	1,827,000	1,924,000	1,960,000	1,998,000
		Capital E	xpenditures				
2211	Use of Goods and Services	210,908	410,000	410,000	580,000	520,000	490,000
2822	Other Capital Expenditures	0	50,000	50,000	50,000	50,000	50,000
3112	Devices, Machinery and Equipment	1,106,590	655,000	555,000	340,000	300,000	290,000
3122	Inventories	16,410	85,000	85,000	30,000	30,000	20,000
	Total capital expenditures	1,333,908	1,200,000	1,100,000	1,000,000	900,000	850,000
	Treasury	1,333,908	1,200,000	1,100,000	1,000,000	900,000	850,000
	Total current and capital expenditures	3,179,679	3,140,000	2,927,000	2,924,000	2,860,000	2,848,000

(Thousands of JDs)

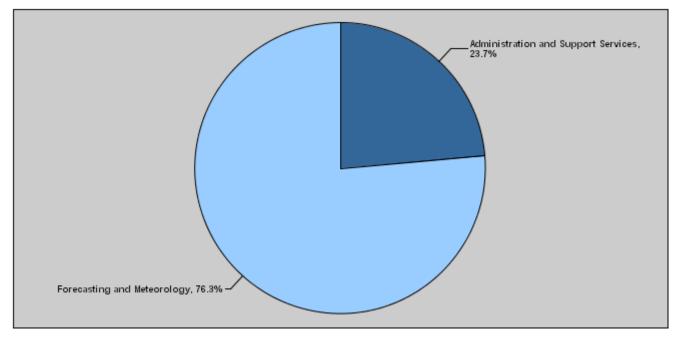


Budget of Chapter 3103 - Ministry of Transport/Meteorology Department

For the Year 2018 Distributed According to Program

				(In JDs)
Prog.	Description	Current Expenditures	Capital Expenditures	Total Expenditures
5401	Administration and Support Services	692,000	0	692,000
5405	Forecasting and Meteorology	1,232,000	1,000,000	2,232,000
	Total	1,924,000	1,000,000	2,924,000

Total Expenditures for the Year 2018 Distributed According to Programs



Estimated Allocations for Females distributed according to Programs for the Years 2016 - 2020

	Program	2016	2017	2018	2019	2020
5401	Administration and Support Services	129000	127000	124000	128000	133000
5405	Forecasting and Meteorology	79000	78000	86000	87000	88000
	Total	208000	205000	210000	215000	221000

Budget Chapter 3103 - Ministry of Transport/Meteorology Department Distributed According to the Program

5401 Administration and Support Services Program

Objective of the program :

The program aims to sustain and upgrade the level of administrative services, provide the suitable conditions for employees in the Department to perform their tasks optimally and improve the level of staff in terms of scientific and technical aspects.

The strategic objective related to the program :

Develop the department's services and upgrade institutional and individual performance level.

Directorates associated with the program :

- Financial and Administrative Affairs Directorate
- Equipment and Maintenance Directorate
- Internal Control Unit
- Human Resources Unit

Services provided by the program :

- Provide the companies, private institutions and persons with weather information.

- Provide the necessary administrative and financial support to implement the Department's activities, projects and objectives.

- Supply the different sectors to climate and atmospheric information for multiple purposes by rules and bylaws.

Staff working in the program :

The program is implemented through a functional staff in 2017 estimated with (61) staff, including (50) males and (11) females .

	Pe	rformance M	easur	ement Ir	dicators	for Pr	rogra	am			
	Performance Measurement Indicator	t	Base	Value	Actual value	Targ Val		Preliminary S Evaluation	elf '	Target Va	alue
			Year		2016	201	17	2017	2018	2019	2020
1	Number of annual training courses		2009	40	70	80)	75	85	90	95
2	renewing of quality certificate ISO		2014	1	1	1		1	1	1	1
3	Covered area with metrology of the total a Kingdom	area of the	2009	%40	%55	%8	32	%70	%82	%87	%90
	Appropriations Of Adminis	stration and Su	upport	Services	Program	as Per	Acti	ivities and	Projects.		(In JDs)
	Activities and Projects	Actual 2016		timated 2017	Re-estin 201			stimated 2018	2019	Indicativ	e 2020
Curr	ent Expenditures	716,970	761,0	000	710,000		692,	000	714,000	735	,000
6	01 Administrative and Support Services	716,970	761,0	000	710,000		692,	000	714,000	735	,000
Capi	tal Expenditures	0	0		0		0		0	0	
	Program / Treasury	0	0		0		0		0	0	
	Total Program	716,970	761,0	000	710,000		692,	000	714,000	735	,000

Budget Chapter 3103 - Ministry of Transport/Meteorology Department Distributed According to the Program

5405 Forecasting and Meteorology Program

Objective of the program :

The program aims to develop meteorology means in terms of equipment and qualified and trained technical staff and develop the scientific research center.

The strategic objective related to the program :

Contribute to protecting lives and properties.

Directorates associated with the program :

- Meteorological Stations Directorate
- IT Directorate
- Weather Forecasts Directorate
- International Communications Systems Directorate
- Applied Meteorology Directorate Training Center for Meteorological and Weather Forecasts

Services provided by the program :

- Work on Issuing the weather forecasts bulletins.
- Issue the warning weather forecasts bulletins for weather and climate.

Staff working in the program :

The program is implemented through a functional staff in 2017 estimated with (177) staff, including (164) males and (13) females .

	Per	formance M	easure	ement In	dicators	for P	rogr	am			
	Performance Measurement Indicator		Base	Value	Actual value	Tar Val	get ue	Preliminary S Evaluation		Target Va	lue
			Year		2016	20	17	2017	2018	2019	2020
1	Number of Metrology stations		2009	28	40	6	0	55	70	80	85
2	Accuracy and comprehensive of submitted beneficiaries	d information to	2009	%60	%80	%	9 0	%86	%90	%92	% 94
3	Degree of service recipients' satisfaction		2009	%70	%85	%	9 0	%88	%90	%92	% 94
	Appropriations Of Fore	casting and M	leteoro	logy Pro	gram as P	er Act	tivitie	es and Proj	ects.		(In JDs)
	Activities and Projects	Actual 2016		timated 2017	Re-estin 2017			stimated 2018	2019	Indicative	2020
Curr	rent Expenditures	1,128,801	1,179	9,000	1,117,000)	1,23	2,000	1,246,000	1,26	3,000
6	601 Meteorology	1,128,801	1,179	9,000	1,117,000)	1,23	2,000	1,246,000	1,26	3,000
Cap	ital Expenditures	1,333,908	1,200),000	1,100,000)	1,00	0,000	900,000	850	000
0	001 Modernizing and developing the meteorology project	197,557	530,0	000	500,000		550,	000	500,000	500	000
0	002 Cloud Seeding Project	1,136,351	670,0	000	600,000		450,	000	400,000	350,	000
	Program / Treasury	1,333,908	1,200),000	1,100,000)	1,00	0,000	900,000	850,	000
	Total Program	2,462,709	2,379	9,000	2,217,000)	2,23	2,000	2,146,000	2,11	3,000

Chapter: 3103 Ministry of Transport/Meteorology Department

		Actual	Estimated	Re-estimated	Estimated	Indicative	Indicative
	Activites	2016	2017	2017	2018	2019	2020
601	Meteorology	1128801	1179000	1117000	1232000	1246000	1263000
	Total of Program	1128801	1179000	1117000	1232000	1246000	1263000
601	Administrative and Support Services	716970	761000	710000	692000	714000	735000
	Total of Program	716970	761000	710000	692000	714000	735000
	Total	1845771	1940000	1827000	1924000	1960000	1998000
	601	601 Meteorology 601 Total of Program 601 Administrative and Support Services 601 Total of Program 601 Total of Program	Activites2016601Meteorology1128801601Total of Program1128801601Administrative and Support Services716970601Total of Program716970	Activites 2016 2017 601 Meteorology 1128801 1179000 601 Administrative and Support Services 716970 761000 601 Administrative and Support Services 716970 761000 601 Total of Program 716970 761000 601 Total of Program 716970 761000	Activites 2016 2017 2017 601 Meteorology 1128801 1179000 1117000 601 Administrative and Support Services 716970 761000 710000 601 Administrative and Support Services 716970 761000 710000 601 Administrative and Support Services 716970 761000 710000 601 For the service of th	Activites 2016 2017 2017 2018 601 Meteorology 1128801 1179000 1117000 1232000 601 Administrative and Support Services 716970 761000 710000 692000 601 Administrative and Support Services 716970 761000 710000 692000 601 Administrative and Support Services 716970 761000 710000 692000	Activites 2016 2017 2017 2018 2019 601 Meteorology 1128801 1179000 1117000 1232000 1246000 601 Administrative and Support Services 716970 761000 710000 692000 714000 601 Administrative and Support Services 716970 761000 710000 692000 714000 601 Administrative and Support Services 716970 761000 710000 692000 714000 601 Administrative and Support Services 716970 761000 710000 692000 714000 601 Total of Program 716970 761000 710000 692000 714000

			Actual	Estimated	Re-estimated	Estimated	Indicative	Indicative
Prog.		Projects	2016	2017	2017	2018	2019	2020
5405	001	Modernizing and developing the meteorology project	197557	530000	500000	550000	500000	500000
	002	Cloud Seeding Project	1136351	670000	600000	450000	400000	350000
		Total of Program	1333908	1200000	1100000	1000000	900000	850000
		Total	1333908	1200000	1100000	1000000	900000	850000

Overall Summary of Current Expenditures for the Years 2016 - 2020

Group	Item	Description	Actual	Estimated	Re-estimated	Estimated	Indicative	Indicative
			2016	2017	2017	2018	2019	2020
21		Compensations of Employees						
2111		Salaries, Wages and Allowances						
	101	Classified Employees	139489	136000	115000	103000	102000	101000
	102	Unclassified Employees	379535	378000	346000	346000	353000	360000
	103	Comprehensive Contract Employees	4500	44000	38000	45000	47000	49000
	105	Personal Cost of Living Allowance	337116	354000	344000	348000	353000	356000
	106	Family Cost of Living Allowance	41466	46000	42000	43000	45000	47000
	110	Overtime Allowance	118475	140000	140000	140000	140000	140000
	111	Additional Allowance	220110	246000	231000	246000	250000	253000
	113	Transportation Allowance	46485	48000	46000	49000	50000	51000
	114	Transport Allowance	31130	33000	31000	33000	36000	38000
	116	Employees' Bonuses	169785	170000	170000	180000	180000	180000
	120	Contract Employees	24198	62000	62000	75000	80000	90000
		Total	1512289	1657000	1565000	1608000	1636000	1665000
2121		Social Security Contributions						
	301	Social Security	158903	106000	106000	150000	153000	157000
	501		158903		106000	150000	153000	157000
			130303	100000	100000	150000	133000	137000
22		Use of Goods and Services						
211		Use of Goods and Services						
	202	Telecommunications Services	31760	33000	25000	25000	26000	27000
	203	Water	5869	7000	7000	7000	7000	7000
	204	Electricity	42494	43000	34000	40000	40000	40000
	205	Fuels	15809	18000	16000	16000	16000	16000
	206	Maintenance of Machines, furniture and accessories	3777	4000	4000	3000	3000	3000
	207	Maintenance of vehicles, equipment and accessories	6644	8000	8000	6000	6000	6000
	208	Repair and maintenance of buildings and accessories	1987	3000	3000	2000	2000	2000
	209	Stationery, Publications and Office Supplies	5767	6000	6000	3000	3000	3000
	210	Substances and raw materials (medicines, clothes, food, films, etc)	15000	13000	12000	20000	20000	20000
	211	Cleaning services and supplies including cleaning contracts	19411	20000		21000	23000	26000
	212	Insurance	2806	4000		4000	4000	4000
	213	Official Travel Missions	15132	6500	6500	8000	9000	10000
	214	Goods and services expenses	3999	5500	5500	5000	6000	6000
		Total	170455	171000	150000	160000	165000	170000
28		Other Expenditures						
2821		Other Current Expenditures						
	303	Scientific scholarships and training courses	2324	4000	4000	4000	4000	4000
	305	Non-Employees' Bonuses	1800			2000	2000	2000
		Total		6000	6000	6000	6000	6000
		Total of Chapter		1940000	1827000	1924000	1960000	1998000

Current Expenditures According to Program and Activities for the Years 2016 - 2020

Chapter : 3103 - Ministry of Transport/Meteorology Department

Progra		5401 - Administration and Suppor	t Services					(In JDs
Activit		•••		es				
	. y .	Description	Actual	Estimated	Re-estimated	Estimated	Indicativa	Indicative
Group	ltem	Description	2016	2017	2017	2018	2019	2020
21		Compensations of Employees						
2111		Salaries, Wages and Allowances						
	101	Classified Employees	40134	42000	35000	32000	32000	31000
	102	Unclassified Employees	161707	163000	151000	126000	128000	130000
	103	Comprehensive Contract Employees	1500	22000	16000	22000	24000	26000
	105	Personal Cost of Living Allowance	126833	136000	128000	116000	118000	120000
	106	Family Cost of Living Allowance	13871	16000	15000	14000	15000	16000
	111	Additional Allowance	94909	101000	98000	100000	103000	105000
	113	Transportation Allowance	18500	18000		18000	19000	20000
	114	Transport Allowance	10635	11000	10000	11000	13000	15000
	116	Employees' Bonuses Contract Employees	79940	80000			70000	70000
	120		9873 557902	23000		25000 534000	29000 551000	35000 568000
2121		Total Social Security Contributions	55/902	612000	573000	534000	551000	00000
2121	204	Social Security	45000	40000	40000	55000	57000	50000
l	301		45996	40000		L	57000	59000
		Total	45996	40000	40000	55000	57000	59000
22		Use of Goods and Services						
2211		Use of Goods and Services						
	202	Telecommunications Services	16175	15000	10000	11000	12000	12000
	203	Water	2980	3000	3000	3000	3000	3000
	204	Electricity	20605	22000	17000	15000	15000	15000
	205	Fuels	10880	12000		11000	11000	11000
		001 Heating	2939	4000		3000	3000	3000
		002 Saloon vehicles	3954	4000		4000	4000	4000
		003 Transport vehicles and heavy equipment	3987	4000	4000	4000	4000	4000
		Maintenance of Machines, furniture and accessories	1963	1000	1000	1000	1000	1000
		Maintenance of vehicles, equipment and accessories	6644	8000	8000	6000	6000	6000
		Repair and maintenance of buildings and accessories	995	1000	1000	1000	1000	1000
	209	Stationery, Publications and Office Supplier		3000		1000	1000	1000
	210	Substances and raw materials (medicines, clothes, food, films, etc)	15000	13000	12000		20000	20000
	211	Cleaning services and supplies including cleaning contracts	17938	18000	17000			23000
	212	Insurance Official Travel Missions	2806	4000			4000	4000
	213 214	Goods and services expenses	12134 1999	5000 2000	5000 2000	6000 2000	6000 3000	6000 3000
	214	Total	112118	107000		101000	104000	106000
28		Other Expenditures						
2821		Other Current Expenditures						
2021	303	Scientific scholarships and training course	054	2000	2000	2000	2000	2000
	303		954 954	2000		L	L	2000 2000
		Total Total Total	954 716970	2000 761000		2000 692000	2000 714000	735000
		Total of Program	716970	761000		692000	714000	735000

Current Expenditures According to Program and Activities for the Years 2016 - 2020

Chapter : 3103 - Ministry of Transport/Meteorology Department

-		5405 - Forecasting and Meteorolo						(IN JDS
Activit			57					
Group	Item	Description	Actual 2016	Estimated 2017	Re-estimated 2017	Estimated 2018	Indicative 2019	Indicativ 2020
21		Compensations of Employees						
2111		Salaries, Wages and Allowances						
	101	Classified Employees	99355	94000	80000	71000	70000	70000
	102	Unclassified Employees	217828		195000	220000	225000	230000
	103	Comprehensive Contract Employees	3000			23000	23000	23000
	105	Personal Cost of Living Allowance	210283			232000	235000	236000
	106	Family Cost of Living Allowance	27595		27000	29000	30000	31000
	110	Overtime Allowance	118475		140000	140000	140000	140000
	111	Additional Allowance	125201		133000	146000	147000	148000
	113	Transportation Allowance	27985		29000	31000	31000	31000
	114	Transport Allowance	20495		21000	22000	23000	23000
	116	Employees' Bonuses	89845		90000	110000	110000	110000
	120	Contract Employees	14325	39000	39000	50000	51000	55000
l		Total	954387	1045000	992000	1074000	1085000	1097000
2121		Social Security Contributions						
2121	004	,	440007	00000	00000	05000	00000	00000
	301	Social Security	112907		66000	95000	96000	98000
		Total	112907	66000	66000	95000	96000	98000
22		Use of Goods and Services						
2211		Use of Goods and Services						
	202	Telecommunications Services	15585	18000	15000	14000	14000	15000
	203	Water	2889		4000	4000	4000	4000
	204	Electricity	21889	21000	17000	25000	25000	25000
	205	Fuels	4929	6000	4000	5000	5000	5000
		001 Heating	1966	3000	2000	2000	2000	2000
		002 Saloon vehicles	2963		2000	3000	3000	3000
	206	Maintenance of Machines, furniture and accessories	1814	3000	3000	2000	2000	2000
	208	Repair and maintenance of buildings and accessories	992	2000	2000	1000	1000	1000
	209	Stationery, Publications and Office Supplie		3000	3000	2000	2000	2000
	211	Cleaning services and supplies including cleaning contracts	1473		2000	1000	2000	3000
	213	Official Travel Missions	2998	1500	1500	2000	3000	4000
	214	Goods and services expenses	2000		3500	3000	3000	3000
		Total	58337	64000	55000	59000	61000	64000
28		Other Expenditures						
2821		Other Current Expenditures						
	303	Scientific scholarships and training course	s1370	2000	2000	2000	2000	2000
	305	Non-Employees' Bonuses	1800	2000	2000	2000	2000	2000
		Total	3170	4000	4000	4000	4000	4000
		Total of Activity	1128801	1179000	1117000	1232000	1246000	1263000
		Total of Program	1128801	1179000	1117000	1232000	1246000	1263000
		Total of Chapter	1845771	1940000	1827000	1924000	1960000	1998000

Overall Summary of Capital Expenditures for the Years 2016 - 2020

Chapte		Description	Actual	Estimated	Re-estimated	Estimated	Indicative	Indicative
Group	Item	Becomption	2016	2017	2017	2018	2019	2020
		Expenditures			_			
22		Use of Goods and Services						
2211		Use of Goods and Services						
	510	Buildings and facilities repair and maintenance	14994	20000	20000	30000	30000	30000
	512	Operating and Sustaining Expenditures	195914	390000	390000	550000	490000	460000
		Total	210908	410000	410000	580000	520000	490000
28		Other Expenditures						
2822		Other Capital Expenditures						
	504	Studies, Research and Consultations	0	50000	50000	50000	50000	50000
		Total	0	50000	50000	50000	50000	50000
		Fixed Assets						
31		Non-financial Assets						
3112		Devices, Machinery and Equipment						
	505	Equipment, Machines and Devices	1106590	655000	555000	340000	300000	290000
		Total	1106590	655000	555000	340000	300000	290000
3122		Inventories						
	503	Materials and supplies	16410	85000	85000	30000	30000	20000
		Total	16410	85000	85000	30000	30000	20000
		Total of Chapter	1333908	1200000	1100000	1000000	900000	850000

Capital Expenditures According to Program and Projects for the Years 2016 - 2020

Chapter: 3103 Ministry of Transport/Meteorology Department

Program 5405 Forecasting and Meteorology

Dr	ojec	• 001 Modernizing and developing the m	eteorology	project				
		ce102001 Capital (Treasury)						
Group	item	Description	Actual 2016	Estimated 2017	Re-estimated 2017	Estimated 2018	Indicative 2019	Indicative 2020
22		Use of Goods and Services						
2211		Use of Goods and Services						
	510	Buildings and facilities repair and maintenance						
	008	Buildings and facilities maintenance	14994	20000	20000	30000	30000	30000
		Total of Item	14994	20000	20000	30000	30000	30000
	512	Operating and Sustaining Expenditures						
	004	Electricity	9930	18000	18000	0	0	0
	005	Fuels	4709	17000	17000	0	0	0
	008	Qualifying and training expenses	10000	50000	50000	30000	30000	30000
	011	Capacity building expenses	25000	70000	70000	200000	200000	200000
	013	Services contracts	52926	80000	80000	50000	50000	50000
	035	Technical and administrative support	0	0	0	120000	70000	70000
	036	Computerization and automation operations expenses	3424	35000	35000	20000	20000	20000
		Total of Item	105989	270000	270000	420000	370000	370000
31		Non-financial Assets						
3112		Devices, Machinery and Equipment						
	505	Equipment, Machines and Devices						
	001	Computers and accessories	9842	20000	20000	10000	10000	10000
	005	Meteorology devices	52692	140000	110000	60000	60000	60000
	068	Solar cells generating the electric energy	14040	80000	80000	30000	30000	30000
		Total of Item	76574	240000	210000	100000	100000	100000
		Total of Project / Treasury	197557	530000	500000	550000	500000	500000

Capital Expenditures According to Program and Projects for the Years 2016 - 2020

Chapter: 3103 Ministry of Transport/Meteorology Department

Pro	·	5405 Forecasting and Meteorolo	ogy	•				
Pr	roject	002 Cloud Seeding Project						
	-	e102001 Capital (Treasury)						
Group	item	Description	Actual 2016	Estimated 2017	Re-estimated 2017	Estimated 2018	Indicative 2019	Indicative 2020
22		Use of Goods and Services						
2211		Use of Goods and Services						
	512	Operating and Sustaining Expenditures						
	008	Qualifying and training expenses	0	0	0	20000	20000	10000
	012	Subscriptions, insurances	0	10000	10000	10000	10000	10000
	013	Services contracts	89925	110000	110000	40000	30000	10000
	035	Technical and administrative support	0	0	0	60000	60000	60000
		Total of Item	89925	120000	120000	130000	120000	90000
28		Other Expenditures						
2822		Other Capital Expenditures						
	504	Studies, Research and Consultations						
	012	Economic studies	0	0	0	50000	50000	50000
	036	Various studies	0	50000	50000	0	0	0
		Total of Item	0	50000	50000	50000	50000	50000
31		Non-financial Assets						
3112		Devices, Machinery and Equipment						
	505	Equipment, Machines and Devices						
	005	Meteorology devices	30016	150000	100000	70000	75000	70000
	023	Electrical devices and equipment	0	0	0	20000	15000	10000
	030	Electricity generators	0	85000	65000	20000	10000	10000
	070	Air radar device	1000000	180000	180000	130000	100000	100000
		Total of Item	1030016	415000	345000	240000	200000	190000
3122		Inventories						
	503	Materials and supplies						
	027	Chemical substances	16410	85000	85000	30000	30000	20000
		Total of Item	16410	85000	85000	30000	30000	20000
		Total of Project / Treasury	y 1136351	670000	600000	450000	400000	350000
		Total of Program	1333908	1200000	1100000	1000000	900000	850000
		Total of Chapter	r 1333908	1200000	1100000	1000000	900000	850000