MINISTRY OF TERTIARY EDUCATION, SCIENCE, RESEARCH AND TECHNOLOGY

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PART A: STRATEGIC NOTE OF MINISTRY

I. Major Achievements for 2013

- Gross Tertiary Enrolment Rate (GTER) increased from 45.0% in 2011 to 46.6% in 2012.
- Strategic plan for Tertiary Education 2013-2025 approved.
- Land transfer at Pamplemousses and Montagne Blanche for construction of campuses completed.
- University campus at Bel Air operational.
- University campus at Curepipe (ex-MBC building) operational.
- Collaboration established between the Mauritius Research Council (MRC) and the University of Oxford for a scientific research programme on diabetes.
- Participation in four education fairs organised by the Board of Investment in Kenya, Uganda,
 Tanzania and Mumbai, India to attract international institutions and students.
- 20 scholarships to African students approved.
- Seaweed farms at Vieux Grand Port (Mauritius) and Baie du Nord (Rodrigues) upscaled and research on wheat covered three new varieties.
- Offshore wind resource map developed identifying potential sites for offshore wind energy.
- Business Research Incubator Center for 6 incubatees launched at the University campus, Curepipe.
- Four post-graduate scholarships awarded by MRC in the field of ocean economy.
- Research and Science Outreach activities conducted in 16 secondary schools of Mauritius and 6 secondary schools of Rodrigues reaching out to about 2165 (1840 in Mauritius and 325 in Rodrigues) students.
- 50 sensitisation activities on science and technology activities completed, reaching about 38,000 persons in Mauritius and Rodrigues.

II. Major Constraints and Challenges and how they are being addressed

- Higher education is a fast growing international competitive market. According to the UNESCO
 Institute of Statistics, at least 3.6 million internationally mobile students were enrolled in tertiary
 education in 2010 compared to 2 million in 2000. To transform the country into a Knowledge Hub,
 Mauritius can position itself as a destination for quality higher education.
 - i) Formulation of a new framework to create an enabling environment for overseas universities of international reputation to operate in Mauritius;
 - ii) Reviewing the regulatory framework to clearly define benchmarks to ensure quality and enhance standard of tertiary education institutions;

- iii) Signature of bilateral agreements for mutual recognition of qualifications; and
- iv) Marketing campaigns with the support of the Board of Investment to promote Mauritian higher education in Africa.
- Involve more private sector participation and increase public expenditure in research, encourage a
 research culture and promote science, technology and innovation.
 - Developing a framework to encourage private participation in research and innovation including amendment to MRC Act and establishment of a National Research and Innovation Fund;
 - ii) Developing a National Science, Technology and Innovation policy and a strategy for the next five years;
 - iii) Establishment of a framework for institutional collaboration and for audit of research and innovation performance; and
 - iv) Sensitising students and the public at large on the importance of science and technology.

III. Strategic Direction 2014-2016

- Ensuring equitable access to tertiary education.
- Widening opportunities for tertiary education and lifelong learning through open distance education.
- Strengthening mechanisms for quality assurance over providers of tertiary education, and technical and vocational training courses.
- Strengthening governance structures and financial management in public tertiary education institutions to ensure financial efficiency.
- Encouraging linkages between tertiary education institutions and industry to ensure employability.
- Creating an enabling environment for reputable tertiary education institutions to operate in Mauritius.
- Implementing a National Science and Technology policy and increasing enrolment in Science and Technology.
- Rationalising research with focus on innovation as a support to competitiveness and ensuring optimal use of resources.

IV. Priority Objectives and Major Services to be provided for 2014-2016

Programme 741: Policy and Management for Tertiary Education, Science, Research and Technology

Priority Objective:

Formulate policies related to tertiary education, science, research and technology, and ensure implementation thereof.

Major Services:

• Policy and management services.

• Review of policies, measures and procedures for cost-effective and high quality tertiary education and research.

Programme 742: Tertiary Education

Priority Objectives:

Improve access to quality tertiary education.

• Promote Mauritius as a centre of higher learning to attract more

international students.

Major Services:

• Monitor quality of tertiary education.

• Provision of tertiary education.

Programme 743: Harnessing Research, Innovation, Science and Technology for National Development

Priority Objectives:

• Promote research and innovation

• Promote science and technology for sustainable development

Major Services:

 Dissemination of science and technology among students and the general public

• Facilitation of research to promote science, technology and innovation

Programme 744: Registration and Accreditation of Training

Priority Objective:

• Consolidate the National Qualifications Framework.

Major Service:

• Accreditation of courses and registration of training institutions in line with the National Qualifications Framework.

V. SUMMARY OF FINANCIAL RESOURCES BY PROGRAMMES AND SUB-PROGRAMMES

		Rs	Rs	Rs	Rs
Code	Programmes	2013 Estimates	2014 Estimates	2015 Planned	2016 Planned
741	Policy and Management for Tertiary Education, Science, Research and Technology	269,490,000	278,711,000	403,972,000	190,655,000
742	Tertiary Education	714,578,000	854,972,000	850,272,000	838,672,000
743	Harnessing Research, Innovation, Science and Technology for National Development	63,354,000	166,317,000	216,667,000	147,167,000
744	Registration and Accreditation of Training	-	20,300,000	20,300,000	20,300,000
	Total	1,047,422,000	1,320,300,000	1,491,211,000	1,196,794,000

VI. SUMMARY OF FUNDED POSITIONS BY PROGRAMMES AND SUB-PROGRAMMES

		То	tal	% Distribution		
Code	Programmes	In Post by Dec 2013	Funded by Dec 2014	2013	2014	
741	Policy and Management for Tertiary Education, Science, Research and Technology	26	31	75%	75%	
742	Tertiary Education	5	6	14%	15%	
743	Harnessing Research, Innovation, Science and Technology for National Development	4	4	11%	10%	
744	Registration and Accreditation of Training	-	-	0%	0%	
	Total	35	41	100%	100%	

PART B: SERVICES TO BE PROVIDED AND PERFORMANCE INFORMATION

PROGRAMME 741: Policy and Management for Tertiary Education, Science, Research and Technology Outcome: Efficient and responsive tertiary education system, and science, research and technology framework.

	<u> </u>		2012			
Outcome Indicator				2014 Target	2016 Target	2023 Target
Number of Terti Africa	Number of Tertiary Education Institutions ranked among the first 100 in Africa			1	1	3
			PERFORM	MANCE	<u> </u>	
DELIVERY UNITS	SERVICES TO BE PROVIDED	Service Standards (Indicators)	2012 Actual	2014 Targets	2015 Targets	2016 Targets
Office of the Minister, Office of the	S1: Policy and Management Services.	SS1: Reform strategy to deliver long term ESTP Outcomes formulated	1	June	June	June
Permanent Secretary and Administration		SS2: % of relevant budget measures implemented according to published timetable	-	100%	100%	100%
		SS3: % of requests acknowledged within 5 working days	90%	90%	95%	95%
	S2: Review of policies, measures and procedures for cost-effective and high quality tertiary education and research	SS1: Review legal framework of the Mauritius Research Council to drive research and innovation, and encourage private participation. Enactment of the MRC Amendment Bill.	-	Mar	-	-
		SS2: Development of guidelines to foster private participation and funding for the National Research and Innovation Fund	-	Nov	-	-
PROGRAMMI	E 742: Tertiary Education					
Outcome: Wide	r access to and improved quali	ty and relevance of tertiary e	ducation to l	ouild a know	ledge-based	economy.
Outcome Indica	ator		2012 Actual	2014 Target	2016 Target	2023 Target
Gross Tertiary E	ducation Enrolment Rate		46.6%	47.2%	51.5%	66.6%
DELIMEDA	CEDVICEC TO DE		PERFORM	MANCE		
DELIVERY UNITS	SERVICES TO BE PROVIDED	Service Standards (Indicators)	2012 Actual	2014 Targets	2015 Targets	2016 Targets
Tertiary Education Commission	S1: Monitor quality of Tertiary Education.	SS1: Monitoring/compliance visits effected	15	51	51	51

DELIVERY	SERVICES TO BE	PERFORMANCE					
UNITS	PROVIDED	Service Standards (Indicators)	2012 Actual	2014 Targets	2015 Targets	2016 Targets	
Tertiary Education Institutions (UoM, UTM, MGI-Tertiary, RTI, OUM, UdM, FDI)	S2: Provision of Tertiary Education.	SS1: Number of Mauritian students graduating at Bachelor level from local public tertiary education institutions.	2,871	3,400	3,700	4,700	

PROGRAMME 743: Harnessing Research, Innovation, Science and Technology for National Development

Outcome: Enhanced research, innovation, science and technology capabilities for sustainable economic and human development.

Outcome Indicator	2012 Actual	2014 Target	2016 Target	2023 Target
National Expenditure on Research and Development as a percentage of GDP	0.4%	0.4%	0.8%	>1.0%
Percentage of enrolment in Science at tertiary education level	26.8%	30%	35%	40%

DEL IVEDV	CEDIMORG TO BE	PERFORMANCE					
DELIVERY UNITS	SERVICES TO BE PROVIDED	Service Standards (Indicators)	2012 Actual	2014 Targets	2015 Targets	2016 Targets	
Rajiv Gandhi Science Centre	S1:Promotion of Science and Technology	SS1: Number of persons sensitised	16,000	48,000	80,000	85,000	
Mauritius Research Council	to promote science,	SS1: Number of research outputs developed for potential commercial utilisation.	10	15	17	25	

PROGRAMME 744: Registration and Accreditation of Training

Outcome: Ensuring valued qualifications for employability and lifelong learning

	Outcome Indicator	2012 Actual	2014 Target	2016 Target	2023 Target
	Percentage of registered and accredited training institutions quality audited		80%	90%	100%
- [DEDECRI	FARICE		

DELIVERY	SERVICES TO BE	PERFORMANCE					
UNITS	PROVIDED	Service Standards (Indicators)	2012 Actual	2014 Targets	2015 Targets	2016 Targets	
Qualifications	S1: Accreditation of courses and registration of training institutions in line with the National Qualifications Framework.	SS1: Number of MQA Accredited Programmes monitored.	145	180	200	225	

PART C: INPUTS - FINANCIAL RESOURCES

1. SUMMARY BY ECONOMIC CATEGORIES

		Rs	Rs	Rs	Rs
Code	Economic Categories	2013 Estimates	2014 Estimates	2015 Planned	2016 Planned
21	Compensation of Employees	35,613,000	42,865,000	43,232,000	43,502,000
22	Goods and Services	17,809,000	22,901,000	22,795,000	20,708,000
24	Interest	-	-	-	-
25	Subsidies	-	-	-	-
26	Grants	768,900,000	1,029,334,000	1,074,984,000	996,384,000
27	Social Benefits	-	-	-	-
28	Other Expense	-	-	-	-
31	Acquisition of Non-Financial Assets	100,000	200,000	200,000	200,000
32	Acquisition of Financial Assets	225,000,000	225,000,000	350,000,000	136,000,000
	Total	1,047,422,000	1,320,300,000	1,491,211,000	1,196,794,000

2. SUMMARY FOR YEAR 2014

		Rs	Rs	Ks	Rs
Code	Programmes	Compensation of Employees [code 21]	Goods and Services [code 22]	Subsidies/ grants [codes 25-28]	Acquisition of Assets [codes 31- 32]
741	Policy and Management for Tertiary Education, Science, Research and	35,210,000	16,401,000	1,900,000	225,200,000
742	Technology Tertiary Education	4,088,000	_	850,884,000	_
743	Harnessing Research, Innovation, Science and Technology for National Development	3,567,000	6,500,000	, ,	
744	Registration and Accreditation of Training	-		20,300,000	-
	Total	42,865,000	22,901,000	1,029,334,000	225,200,000

Programme 741: Policy and Management for Tertiary Education, Science, Research and Technology

		Rs	Rs	Rs	Rs
Item No.	Details	2013 Estimates	2014 Estimates	2015 Planned	2016 Planned
21	Compensation of Employees	28,681,000	35,210,000	35,577,000	35,847,000
21110	Personal Emoluments	19,756,000	26,043,000	26,410,000	26,680,000
21111	Other Staff Costs	2,825,000	3,067,000	3,067,000	3,067,000
21210	Social Contributions	6,100,000	6,100,000	6,100,000	6,100,000
22	Goods and Services	13,809,000	16,401,000	16,295,000	16,708,000
22010	Cost of Utilities	2,250,000	1,950,000	1,900,000	1,900,000
22020	Fuel and Oil	200,000	200,000	200,000	200,000
22030	Rent	7,850,000	8,061,000	8,430,000	8,843,000
22040	Office Equipment and Furniture	400,000	400,000	400,000	400,000
22050	Office Expenses	280,000	270,000	245,000	245,000
22060	Maintenance	350,000	370,000	370,000	370,000
22100	Publications and Stationery	750,000	675,000	650,000	650,000
22120	Fees	150,000	1,470,000	1,470,000	1,470,000

		Rs	Rs	Rs	Rs	
Item No.	Details	2013 Estimates	2014 Estimates	2015 Planned	2016 Planned	
22180	Overseas Travel	440,000	900,000	900,000	900,000	
22900	Other Goods and Services	1,139,000	2,105,000	1,730,000	1,730,000	
26	Grants	1,900,000	1,900,000	1,900,000	1,900,000	
26210	Current Grant to International	1,900,000	1,900,000	1,900,000	1,900,000	
26210071	Organisations Contribution to Commonwealth of Learning	1,900,000	1,900,000	1,900,000	1,900,000	
31	Acquisition of Non-Financial Assets	100,000	200,000	200,000	200,000	
31122	Other Machinery and Equipment	100,000	200,000	200,000	200,000	
32	Acquisition of Financial Assets	225,000,000	225,000,000	350,000,000	136,000,000	
32145	Loans (Disbursement)	225,000,000	225,000,000	350,000,000	136,000,000	
32145303	Loan to Special Purpose Vehicle icw Construction of New University Park	225,000,000	225,000,000	350,000,000	136,000,000 r.	
	Total	269,490,000	278,711,000	403,972,000	190,655,000	
Program	me 742: Tertiary Education					
21	Compensation of Employees	3,878,000	4,088,000	4,088,000	4,088,000	
21110	Personal Emoluments	3,504,000	3,738,000	3,738,000	3,738,000	
21111	Other Staff Costs	324,000	300,000	300,000	300,000	
21210	Social Contributions	50,000	50,000	50,000	50,000	
26	Grants	710,700,000	850,884,000	846,184,000	834,584,000	
26313	Current Grant to Extra Budgetary Units	663,700,000	786,984,000	792,084,000	788,484,000	
26313088	Tertiary Education Commission/Tertiary Education Institutions	663,700,000	786,984,000	792,084,000	788,484,000	
	(a) Tertiary Education Commission of which:	68,500,000	95,900,000	101,000,000	97,400,000	
	Recruitment of foreign lecturers	-	15,000,000	15,000,000	15,000,000	
	SSR Chair in African Studies	_	3,300,000	3,100,000	_	
	Africa Scholarships	11,500,000	12,500,000	22,300,000	21,800,000	
	(b) University of Mauritius	351,900,000	403,704,000	403,704,000	403,704,000	
	(c) University of Technology, Mauritius	5,200,000	5,600,000	5,600,000	5,600,000	
	(d) Université des Mascareignes	55,000,000	65,120,000	65,120,000	65,120,000	
	(e) Mahatma Gandhi Institute (Tertiary)	87,700,000	104,400,000	104,400,000	104,400,000	
	(f) Rabindranath Tagore Institute	1,000,000	1,060,000	1,060,000	1,060,000	
	(g) Open University of Mauritius	81,400,000 13,000,000	95,900,000 15,300,000	95,900,000 15,300,000	95,900,000 15,300,000	
26222	(h) Fashion & Design Institute					
26323 26323088	Capital Grant to Extra Budgetary Units Tertiary Education Commission/Tertiary	47,000,000 47,000,000	63,900,000 63,900,000	54,100,000 54,100,000	46,100,000 46,100,000	
20323088	Education Institutions	47,000,000	03,900,000			
	(a) Tertiary Education Commission (b) University of Mauritius (c) University of Technology, Mauritius	27,000,000 4,000,000	27,500,000 10,000,000	1,000,000 32,900,000 4,000,000	1,000,000 24,900,000 4,000,000	
	(d) Université des Mascareignes	5,000,000	14,000,000 2,000,000	5,000,000 2,000,000	5,000,000	
	(e) Mahatma Gandhi Institute (Tertiary)	2,000,000			2,000,000	
	(f) Rabindranath Tagore Institute (g) Open University of Mauritius (h) Fashion & Design Institute	500,000 3,500,000 5,000,000	400,000 5,000,000 5,000,000	200,000 4,000,000 5,000,000	200,000 4,000,000 5,000,000	
	Total	714,578,000	854,972,000	850,272,000	838,672,000	

${\bf Ministry\ of\ Tertiary\ Education,\ Science,\ Research\ and\ Technology\ -\ }{\it continued}$

		Rs	Rs	Rs	Rs		
Item No.	Details	2013 Estimates	2014 Estimates	2015 Planned	2016 Planned		
Programn	ne 743: Harnessing Research, Innovation	, Science and Te	chnology for Na	tional Developm	ent		
21	Compensation of Employees	3,054,000	3,567,000	3,567,000 3,567,000			
21110	Personal Emoluments	2,500,000	3,217,000	3,217,000	3,217,000		
21111	Other Staff Costs	324,000	250,000	250,000	250,000		
21210	Social Contributions	230,000	100,000	100,000	100,000		
22	Goods and Services	4,000,000	6,500,000	6,500,000	4,000,000		
22130	Studies & Surveys	-	2,500,000	2,500,000	- ·		
22900	Other Goods and Services	4,000,000	4,000,000	4,000,000	4,000,000		
26	Grants	56,300,000	156,250,000	206,600,000	139,600,000		
26313	Current Grant to Extra Budgetary Units	41,500,000	69,350,000	79,200,000	89,200,000		
26313042	Mauritius Research Council	25,000,000	31,350,000	31,350,000	31,350,000		
26313077	Rajiv Gandhi Science Centre	16,500,000	19,100,000	19,100,000	19,100,000		
26313136	Indian Institute of Technology Delhi Research Academy	-	18,900,000	28,750,000	38,750,000		
26323	Capital Grant to Extra-Budgetary Units	14,800,000	86,900,000	127,400,000	50,400,000		
26323042	Mauritius Research Council (a) Research Projects	12,000,000 12,000,000	27,500,000 12,000,000	27,500,000 12,000,000	27,500,000 12,000,000		
	(b) National Research Chairs	-	15,000,000	15,000,000	15,000,000		
	(c)Acquisition of Computers & Softwares	-	500,000	500,000	500,000		
26323077	Rajiv Gandhi Science Centre (a)Acquisition of Exhibits & Equipment	2,800,000 2,800,000	48,800,000 2,800,000	94,800,000 2,800,000	17,800,000 2,800,000		
	(b)Construction of Planetarium	-	46,000,000	92,000,000	15,000,000		
26323136	Indian Institute of Technology Delhi Research Academy	-	10,600,000	5,100,000	5,100,000		
	Total	63,354,000	166,317,000	216,667,000	147,167,000		
Programn	ne 744: Registration and Accreditation of	Training					
26	Grants	-	20,300,000	20,300,000	20,300,000		
26313	Current Grant to Extra-Budgetary Units	-	19,300,000	19,300,000	19,300,000		
26313041	Mauritius Qualifications Authority	-	19,300,000	19,300,000	19,300,000		
26323 26323041	Capital Grant to Extra-Budgetary Units Mauritius Qualifications Authority	-	1,000,000 1,000,000	1,000,000 1,000,000	1,000,000 1,000,000		
	Total		20,300,000	20,300,000	20,300,000		

f(1): Mauritius Qualification Authority transferrred from Sub-Programme 42904: Registration, Accreditation and Financing of Training of Ministry of Education and Human Resources

PART D: INPUTS - HUMAN RESOURCES

STAFFING (FUNDED POSITIONS) BY PROGRAMMES AND SUB-PROGRAMMES

Salary Code	Position Titles	In Post by	Funded Positions by December		
		Dec 2013	2014	2015	2016
Programme 741: Policy and Management for Tertiary Education, Science, Research and Technology		26	31	31	31
-	Minister	1	1	1	1
02 00 100	Permanent Secretary	1	1	1	1
02 81 89	Deputy Permanent Secretary	1	1	1	1
02 50 75	Assistant Permanent Secretary	2	2	2	2
06 00 96	Chief Technical Officer (New)	-	=	=	-
06 49 75	Project Officer (New)	-	-	-	-
01 65 79	Manager Financial Operations	-	1	1	1
01 59 76	Assistant Manager, Financial Operations	1	-	-	-
01 53 72	Senior Financial Operations Officer (Personal)	-	1	1	1
01 45 65	Financial Officer/ Senior Financial Officer	2	3	3	3
01 33 55	Assistant Financial Operations Officer (Personal)	-	_	-	-
21 53 72	Senior Procurement and Supply Officer	1	1	1	1
21 45 65	Procurement and Supply Officer/Senior	-	-	-	_
	Procurement and Supply Officer				
01 33 65	Internal Control Officer/Senior Internal Control Officer	-	-	-	-
08 51 70	Office Management Executive	-	2	2	2
08 45 64	Office Management Assistant	3	3	3	3
08 45 63	Higher Executive (Personal)	1	1	1	1
08 33 57	Executive Officer (Personal)	-	=	_	-
08 30 56	Management Support Officer	4	4	4	4
08 38 63	Confidential Secretary	2	3	3	3
08 21 52	Word Processing Operator	2	2	2	2
22 16 48	Receptionist/Telephone Operator	1	1	1	1
24 14 42	Office Care Attendant/Senior Office Care	3	3	3	3
	Attendant				
24 17 45	Driver	1	1	1	1
24 01 32	General Worker	-	-	-	-
Programme 742: Tertiary Education		5	6	6	6
06 00 92	Director	1	1	1	1
06 80 89	Assistant Director	1	1	1	1
06 72 85	Administrator	1	1	1	1
08 45 64	Office Management Assistant	1	1	1	1
08 30 56	Management Support Officer	1	1	1	1
08 38 63	Confidential Secretary	-	1	1	1

Salary Code	Position Titles	In Post by	Funded Positions by December		
		Dec 2013	2014	2015	2016
Programme 743: Harnessing Research , Innovation, Science and Technology for National Development		4	4	4	4
06 00 92	Director	1	1	1	1
06 80 89	Assistant Director	1	1	1	1
06 72 85	Administrator	1	1	1	1
08 30 56	Management Support Officer	1	1	1	1
08 38 63	Confidential Secretary	-	-	-	-
Programn Training	Programme 744: Registration and Accreditation of Training		-	-	-
	Total	35	41	41	41