

### PART IV. RESOURCE REQUIREMENTS

#### A.1 ICT EQUIPMENT AND SERVICES

					Proposed Nui	mber of Units	
	No.	ICT Project Item	Name of Office	2020	2021	2022	2023
			Organizational Units	Physical Target	Physical Target	Physical Target	Physical Target
	l.	OFFICE PRODUCTIVITY			A STATE OF THE STA	raiget	rarget
		ICT Equipment					
	1	ICT Equipment (Desktops, Laptops, Printers, Phones, and Similar IT Equipment)		1477 pcs	945 pcs	1105 pcs	1105 pcs
		A. Capital Outlay					
		ICT Equipment					
		Desktops	DBM Senior Officials, BMBs A-F, LGRCB, BTB, AS, CPMS, FS, FPRB, IAS, ICTSS, LS, OPCCB, SPIB, BITS, ROs I-XIII, NCR, CAR	300 pcs		375 pcs	375 pcs
CORNER THAN AND	ED I	Laptops	DBM Senior Officials, BMBs A-F, LGRCB, BTB, AS, CPMS, FS, FPRB, IAS, ICTSS, LS, OPCCB, SPIB, BITS, ROs I-XIII, NCR, CAR	454 pcs	450 pcs	200 pcs	200 pcs
ENDORS NOV 2	7 202	O TONHOON	96				



Colored Printers	DBM Senior Officials, BMBs A-F, LGRCB, BTB, AS, CPMS, FS, FPRB, IAS, ICTSS, LS, OPCCB, SPIB, BITS, ROs I-XIII, NCR, CAR	99 pcs	45 pcs	45 pcs	45 pcs
Monochrome Printers	DBM Senior Officials, BMBs A-F, LGRCB, BTB, AS, CPMS, FS, FPRB, IAS, ICTSS, LS, OPCCB, SPIB, BITS, ROs I-XIII, NCR, CAR	99 pcs	45 pcs	45 pcs	45 pcs
DOT Matrix Printers	AS, FS, OPCCB, ROs I – XIII, NCR, CAR	19 pcs	10 pcs	10 pcs	10 pcs
Led Monitor	ICTSS	5 pcs		•	
AVAYA Telephones	DBM Senior Officials, BMBs A-F, LGRCB, BTB, AS, CPMS, FS, FPRB, IAS, ICTSS, LS, OPCCB, SPIB, BITS, ROs I-XIII, NCR, CAR	25 pcs	10 pcs	10 pcs	10 pcs
HDD AND COMMUNICATION COMUNICATION COMMUNICATION COMMUNICATION COMMUNICATION COMMUNICA	DBM Senior Officials, BMBs A-F, LGRCB, BTB, AS, CPMS, FS,	20 pcs	10 pcs	10 pcs	10 pcs



	FPRB, IAS, ICTSS, LS, OPCCB, SPIB, BITS, ROs I-XIII, NCR, CAR				
Uninterruptible Power Supply (UPS)	DBM Senior Officials, BMBs A-F, LGRCB, BTB, AS, CPMS, FS, FPRB, IAS, ICTSS, LS, OPCCB, SPIB, BITS, ROs I-XIII, NCR, CAR	300 pcs	300 pcs	375 pcs	375 pcs
Mouse	DBM Senior Officials, BMBs A-F, LGRCB, BTB, AS, CPMS, FS, FPRB, IAS, ICTSS, LS, OPCCB, SPIB, BITS, ROs I-XIII, NCR, CAR	100 pcs	50 pcs	25 pcs	25 pcs
Laptop Cooler	DBM Senior Officials, BMBs A-F, LGRCB, BTB, AS, CPMS, FS, FPRB, IAS, ICTSS, LS, OPCCB, SPIB, BITS, ROs I-XIII, NCR, CAR	20 pcs	10 pcs	10 pcs	10 pcs
Scanners	DBM Senior Officials, BMBs A-F, LGRCB, BTB, AS, CPMS, FS,	15 pcs	15 pcs	A COT E	IDOMSED IS



#### PART IV. RESOURCE REQUIREMENTS

	PC Upgrade Headset	FPRB, IAS, ICTSS, LS, OPCCB, SPIB, BITS, ROs I-XIII, NCR, CAR ICTSS	10 pcs 10 pcs			
	Router for Offsite Office	ICTSS	1 pc	-		
II.	INTERNAL AGENCY PROJECT					
	Improvement of the DBMICT Infrastructure	ICTSS			-	
2	Procurement of SSL Orchestrator Solution			1 Lot	1 Lot Subscription	1 Lot Subscription
	A. CAPITAL OUTLAY					
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)			4		
	ICT Equipment					
	SSL Orchestrator			2 pcs		
3	Managed Service for DBM Disaster Recovery Site			1 Lot	1 Lot	1 Lot
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)	,				
	ICT Consultancy Services					
	Professional Services			AN ATION AN	COMMUN	

NOV 2 7 2020 NOV 2 7 2020



#### PART IV. RESOURCE REQUIREMENTS

4	Subscription to Application Performance Monitoring Licenses		1 Lot Subscription		
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)				
	ICT Subscription Expenses				
	Software Licenses for Aternity		2 Licenses		
	Software Licenses for App Internals		2 Licenses		
	Software Licenses for Management Portal		1 License		
	Software Licenses for End-User Experience		1200 Licenses		
5	Additional Network Components for BTMS Infrastructure	2 Lots		×	2 Lots
	A. CAPITAL OUTLAY				
	ICT Equipment				
	Cisco Switches and Components	1 Lot			1 Lot
	AVAYA CM8 Upgrade	1 Lot	8		1 Lot
6	FORTINET Equipment Refresh			1 Lot	
	A. CAPITAL OUTLAY				
	ICT Equipment				
	FG-1101E	THUR AN	3 COMMUNIC	2 Units	
	FC-10-F11E1-811-02-12	CITAL SALES	N/C	2 Units	
	FG-101F	ENDORS	EN ISSH A	18 Units	-24

NOV 2 7 2020



	FC-10-F101F-811-02-12			18 Units	
	FMG-300F			1 Unit	
	FC-10-M0302-247-02-12			1 Unit	
	FAZ-300F			1 Unit	
	FC-10-L300F-247-02-12			1 Unit	
	FC-10-L300F-149-02-12			1 Unit	
	FN-TRAN-SFP+SR			26 Units	
	FN-TRAN-SX			70 Units	
	FN-TRAN-QSFP+SR			4 Units	
7	CISCO Equipment Refresh			1 Lot	
	A. CAPITAL OUTLAY				
	ICT Equipment				
	C9500-24Y4C-A			5 Units	
	CON-PSRT-C95024YA			5 Units	
	C9K-PWR-650WAC-R/2			5 Units	
	C9500-DNA-L-A-3Y			5 Units	
	C9200-48P-E			40 Units	
	CON-PSRT-C92048PE			40 Units	
	C9200-NM-4X			40 Units	
	PWR-C6-1KWAC/2	121 Auto		40 Units	
	C9200-DNA-E-48-3Y	SENATION AND	GO:MMUNIO	40 Units	
	C9200-STACK-KIT	ENDORS	ED ISSP CV	40 Units	
	C6800-8P40G	la second	1.5	40 Units	
	ISR4431/K9	O NOV 2 7	2020 / 3	19 Units	
	CON-PSRT-ISR4431K	THE WASO		19 Units	
	PWR-4430-POE-AC	The state of the s	37	19 Units	
	PWR-4430-POE-AC/2	UEPAD .	A9070MP	19 Units	



#### PART IV. RESOURCE REQUIREMENTS

	T.22					
	ASR1001-HX				1 Unit	
	CON-PSRT-ASR1XH11				1 Unit	
	SLASR1-AES				1 Unit	
	CON-PSRT-SLASR1AM				1 Unit	
	GLC-SX-MMD				20 Units	
	SFP-10G-SR				107 Units	
	QSFP-40G-SR4			-	34 Units	
	GLC-TE				4 Units	
	Fiber Optics Cabling Works				1 Unit	
	Implementing and Administering Cisco Solutions				5 Units	
8	Endpoint Management System	DBM Senior Officials, BMBs A-F, LGRCB, BTB, AS, CPMS, FS, FPRB, IAS, ICTSS, LS, OPCCB, SPIB, BITS, ROs I-XIII, NCR, CAR			1 Lot Subscription	
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)					
	ICT Subscription Expenses					
	User Licenses	,		ENDORSEC	1200 Licenses	
	Server Licenses				100 licenses	
	Procurement of Microsoft	DBM Senior Officials,	1 Lot	SEATH AND C	O LICETISES	1 Lot
9	Software Licenses	BMBs A-F, LGRCB,	Subscription	ENDORSED	ISSD CA	Subscription
			Cabcompact	THE WALLES	1001	Capacipion

NOV 2 7 2020



		BTB, AS, CPMS, FS, FPRB, IAS, ICTSS, LS, OPCCB, SPIB, BITS, ROs I-XIII, NCR, CAR				
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)					
	ICT Subscription Expenses					
	Windows Server Datacenter Core		18 Licenses		Ø	18 Licenses
	Windows Server User CALSA		1200 Licenses			1200 Licenses
	Visio Standard Dev LSA		100 Licenses			100 Licenses
	SQL Server Standard Core 2 LSA		12 Licenses			12 Licenses
	Visual Studio PMSDN User LSA		1 License			1 License
	Office Standard Dev LSA		1200 Licenses			1200 Licenses
	Improvement of the Project Digital Imaging for Monitoring and Evaluation (DIME)	ICTSS				
10	Project DIME			1 Lot		
	A. Capital Outlay					
	ICT Equipment				13	ME AND COMME
	Survey Grade Drones			3 pcs	O.F.W.	Single
	High Precision Handheld GPS			6 pcs	EN EN	DORSED ISS



11	GIS Software	ICTSS	1 Lot	1 Lot	1 Lot	
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)					
	ICT Subscription Expenses					
	GIS for Desktop Advance Concurrent License		1 License	2 Licenses	3 Licenses	
	GIS 3D Analyst Desktop Single Use		1 License	2 Licenses	3 Licenses	
	GIS Spatial Analyst for Desktop Single Use License		1 License	2 Licenses	3 Licenses	
	Training Service		8 Persons	8 Persons	8 Persons	
III.	CONTINUING COST					
12	Renewal of Telecommunication Services	ICTSS	1 Lot Subscription	1 Lot Subscription	1 Lot Subscription	1 Lot Subscription
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)				1	
	ICT Subscription Expenses					
13	DBM Data Center Maintenance and Support Services	ICTSS		1 Lot	1 Lot	1 Lot
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)			SON AND		
	Repair and Maintenance Service		/	OF ENDORSE	VAVIO	
	Data Center Power Components		(3)	1101/ 27	2020 2	



	Surveillance System					
	Biometric Access Control System					
	Racks, Patch Panels, and					
	Cablings					
	Eaton Uninterrupted Power					
	Supply (UPS)					
	DBM IP-CCTV Surveillance					
14	System Maintenance and	ICTSS		1 Lot	1 Lot	1 Lot
	Support Services					
	B. MAINTENANCE AND OTHER					
	OPERATING EXPENSES					
	(MOOE)					
	Repair and Maintenance					
	Services					
15	MySQL License Subscription	ICTSS	1 Lot		1 Lot	1 Lot
		10100	Subscription		Subscription	Subscription
	B. MAINTENANCE AND OTHER					
	OPERATING EXPENSES					
	(MOOE)					
	ICT Subscription Expenses					
		DBM Senior Officials,				
		BMBs A-F, LGRCB,				
40	Renewal of Licenses for the	BTB, AS, CPMS, FS,	1 Lot	1 Lot	1 Lot	1 Lot
16	Subscription of Google Suite	FPRB, IAS, ICTSS,	Subscription	Subscription	Subscription	Subscription
	,	LS, OPCCB, SPIB,	•			Caboonphon
		BITS, ROs I-XIII,	18.T3	NORSEN ISSE		
		NCR, CAR	CONTRACT OF THE PARTY OF THE PA	ODCED IDOD	(6)	



### INFORMATION SYSTEMS STRATEGIC PLAN FY 2020 - 2023

**DEPARTMENT OF BUDGET AND MANAGEMENT** 

	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)					
	ICT Subscription Expenses					
17	Subscription of CISCO Equipment Licenses and Support Services	ICTSS	1 Lot Subscription		1 Lot Subscription	
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)					
	ICT Subscription Expenses					
18	Cloud Infrastructure as Service	ICTSS	1 Lot Subscription	1 Lot Subscription	1 Lot Subscription	1 Lot Subscription
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)		,	'		
	ICT Subscription Expenses					
19	Renewal of VMWare License Subscription	ICTSS		1 Lot Subscription	1 Lot Subscription	1 Lot Subscription
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)				= 3.3.5.1.p.1.011	2300011711011
	ICT Subscription Expenses					
20	Renewal of Licenses for the Subscription to Advance Endpoint Security Solution	ICTSS	1 Lot Subscription	1 Lot Subscription	1 Lot Subscription	1 Lot Subscription



	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)					
	ICT Subscription Expenses					
21	Secure Sockets Layer (SSL) Certificate Subscription	ICTSS	1 Lot Subscription		1 Lot Subscription	
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)				•	
	ICT Subscription Expenses					
22	Renewal of Licenses for the Subscription of NESSUS Pro Vulnerability Assessment Tool	ICTSS	1 Lot Subscription	1 Lot Subscription	1 Lot Subscription	1 Lot Subscription
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)					
	ICT Subscription Expenses		0			
23	Procurement of HP Back-Up Solution	ICTSS	1 Lot Subscription	1 Lot Subscription		
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)			·		
	ICT Subscription Expenses					
24	Renewal of the Subscription of FreshDesk Ticketing Tool	ICTSS	1 Lot Subscription	1 Lot Subscription	1 Lot Subscription	1 Lot Subscription





#### **INFORMATION SYSTEMS STRATEGIC PLAN FY 2020 - 2023**

DEPARTMENT OF BUDGET AND MANAGEMENT

	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)					
	ICT Subscription Expenses					
25	Subscription of FortiGate-VM for Azure	ICTSS	1 Lot Subscription	1 Lot Subscription	1 Lot Subscription	1 Lot Subscription
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)			·	·	
	ICT Subscription Expenses					
26	Renewal of Licenses for the Subscription of Adobe Cloud- Based Multimedia Editing Tool	ICTSS, BITS	1 Lot Subscription	1 Lot Subscription	1 Lot Subscription	1 Lot Subscription
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)					
	ICT Subscription Expenses					
27	ICT Equipment Licenses and Support Services	ICTSS	6 Lots Subscription		6 Lots Subscription	
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)					
	ICT Subscription Expenses					
	Fortinet Next Generation Firewall		1 Lot Subscription		1 Lot Subscription	
	Palo Alto Intrusion Detection Prevention System	RSED ISSP CA	1 Lot Subscription		1 Lot Subscription	



	F5 Distribution Denial-of-Service (DDos) Protection and Web Application Firewall		1 Lot Subscription	1 Lot Subscription	
	Slowarwinds Network Analyzer and Performance Monitoring		1 Lot Subscription	1 Lot Subscription	
	Bluecoat Packetshaper		1 Lot Subscription	1 Lot Subscription	
	Forescout Network Access Control		1 Lot Subscription	1 Lot Subscription	
28	Subscription to Support and Maintenance Services for the GIS Software	ICTSS		1 Lot Subscription	1 Lot Subscription
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)				
	ICT Subscription Expenses				
	GIS for Desktop Advance Concurrent License			1 License	2 Licenses
	GIS 3D Analyst Desktop Single Use			1 License	2 Licenses
	GIS Spatial Analyst for Desktop Single Use License			1 License	2 Licenses
	Training Service				





### PART IV. RESOURCE REQUIREMENTS

#### A.2 BTMS EQUIPMENT AND SERVICES

No.	ICT Project Item	Name of Office	Proposed Number of Units			
			2020	2021	2022	2023
		Organizational Units	Physical Target	Physical Target	Physical Target	Physical Target
1.	Improvement of the Integrated Financial Management Information System (IFMIS) and the Budget and Treasury Management System (BTMS)	Central Office			3	
	Internet Expenses					
1	Internet and Telephone Connectivity		1 Lot	1 Lot	1 Lot	1 Lot
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)					
	ICT Subscription Expenses					
2	BTMS License		1 Lot			
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)	·		,		
	ICT Subscription Expenses					
	BTMS Licenses	D COM	8200 Licenses			



3	Product Support and Maintenance for the BTMS Licenses	1 Lot Subscription	1 Lot Subscription	1 Lot Subscription	1 Lot Subscription
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)				
	ICT Subscription Expenses				
	BTMS Licenses	10,400 Licenses	10,400 Licenses	10,400 Licenses	10,400 Licenses
4	Subscription of Microsoft Licenses MS SQL			1 Lot Subscription	
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)				
	ICT Subscription Expenses				
	Win Server Dev CALSA			10 pcs	
	Win Server User CALSA			10 pcs	
	Win Server Std Core 2 LSA			24 pcs	
	Win Server Datcr Core 2 LSA			108 pcs	
	SysCntrSvr Std Core 2 LSA			24 pcs	
	SysCntrSvr Datcr Core 2 LSA			108 pcs	
	Win Server Svr ECLSA			2 pcs	
	SQLSvrEntCore ALNG SA MVL 2Lic CoreLic			25 pcs	
5	SSL Certificate  SSL Certificate  ENDORSED ISSP	1 Lot Subscription	6	1 Lot Subscription	1 Lot Subscription



	T				
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)				
	ICT Subscription Expenses				
6	Change Management Capacity Building		1 Lot		
	B. MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE)				
	ICT Consultancy Services				
	Professional Services				
7	Technology Refresh for BTMS Infrastructure			1 Lot	
	A. Capital Outlay				
	ICT Equipment				
	DELL PowerEdge R740 Rack Mount Server (Blade Servers Replacement)			7 pcs	
	DELL PowerEdge R740 Rack Mount Server (Solarwinds DB Server replacement)			1 pc	
	Dell PowerEdge R440 Rack Mount Server (Solarwinds Application Server replacement)			4 pcs	
	Dell PowerEdge R440 Rack Mount Server - Backup Server	AND COMMUNICATION		1 pc	



Dell Networking S5232-ON (Spine Switch)		2 pcs
Dell Networking S4128 (Leaf		·
Switch)		6 pcs
Dell Networking S3100 (OOB		1 no
Switch)		1 pc
DELL EMC Unity Hybrid Storage (SAN Storage Replacement)		1 pc
Dell EMC PowerProtect DD6900 (BackUp Replacement)		1 pc
DELL EMC ML3/ML3E Tape		1 00
Library		1 pc
Palo Alto Networks PA-3220		
(Sonicwall NGFW Replacement as		2 pcs
2nd NGFW Firewall)		
F5 BIG IP i4600 Load Balancer (F5 BIG IP 4000 replacement)		2 pcs
TrendMicro Tippingpoint 8400TX HW with IPS Subscription and Bypass		2 pcs
CISCO ISR 4461 Routers		2 pcs
Arcsight E7700 ESM Appliance		1 pc
Arcsight L7700 Logger Appliance		1 pc
Arcsight C6700 Connector Appliance		1 pc
ArcSight Management Center per Instance SW ELTU	ENDORSED ISSP	1 pc



#### INFORMATION SYSTEMS STRATEGIC PLAN FY 2020 - 2023

#### **DEPARTMENT OF BUDGET AND MANAGEMENT**

MDI Implementation Services			
MDI Support Services		3 Years	





#### PART IV. RESOURCE REQUIREMENTS

#### **B. EXISTING ORGANIZATIONAL STRUCTURE**

