

ADDRESSE: ELECTRICAL AND COMPUTER ENGINEERING
 PROF MASSIMO ALIOTO

R-263-000-D71-281
 NRF-CRP20-2017-0003
 COGNIVSION-ENERGY-AUTONOMOUS ALWAYS-ON
 COGNITIVE AND ATTENTIVE CAMERAS FOR
 DISTRIBUTED REAL-TIME VISION WITH
 MILLIWATT POWER CONSUMPTION

PROJECT COMMENCEMENT DATE: 01.03.2019
 PROJECT COMPLETION DATE: 29.02.2024

G/L ACCT.NUMBER/ TITLE	OVERALL BUDGET (1)	INC & EXP B/F AT 01.04.2018 (2)	I&E FOR THE YEAR (APPENDIX A) (3)	CUM. I & E AS AT 02.11.2020 (4) = (2) + (3)	PO COMMITMENTS AS AT 02.11.2020 (APPX B) (5)	BALANCE (6) = (1) - (4) - (5)	PR COMMITMENTS AS AT 02.11.2020 (APPX C) (7)	BAL AFTER PR COMMITMENTS (8) = (6) - (7)
	S\$	S\$	S\$	S\$	S\$	S\$	S\$	S\$
Grants:								
520901 Grant-Other Govt Ministries	0.00	0.00	368,156.35-	368,156.35-	0.00	368,156.35	0.00	368,156.35
Sub Total	0.00	0.00	368,156.35-	368,156.35-	0.00	368,156.35	0.00	368,156.35
Expenditure on Manpower:								
600100 Budget-EOM	2,743,720.00	0.00	0.00	0.00	0.00	2,743,720.00	0.00	2,743,720.00
680101 Research-Regular-Basic Salary	0.00	0.00	246,911.93	246,911.93	0.00	246,911.93-	0.00	246,911.93-
680184 Research Appt-SDF Contribution	0.00	0.00	366.11	366.11	0.00	366.11-	0.00	366.11-
680186 Research-Regular-Foreign Worker Levy	0.00	0.00	8,234.65	8,234.65	0.00	8,234.65-	0.00	8,234.65-
680187 Research-Regular-CPF & SDF	0.00	0.00	169.56	169.56	0.00	169.56-	0.00	169.56-
682802 Research-Regular-Healthchoice	0.00	0.00	1,089.00	1,089.00	0.00	1,089.00-	0.00	1,089.00-
Sub Total	2,743,720.00	0.00	256,771.25	256,771.25	0.00	2,486,948.75	0.00	2,486,948.75
Other Operating Expenditure:								
710221 Consumables	927,000.00	0.00	322,741.98	322,741.98	0.00	604,258.02	0.00	604,258.02

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	S\$	S\$	S\$	S\$	S\$	S\$	S\$	S\$
761402 Article Processing Charges (APC)	0.00	0.00	2,236.15	2,236.15	0.00	2,236.15-	0.00	2,236.15-
769101 Training/Other Misc Costs	0.00	0.00	18,411.06	18,411.06	2,755.20	21,166.26-	0.00	21,166.26-
769102 Overseas Travel (Hotel/Subsistence) bs)	95,000.00	0.00	1,140.00	1,140.00	0.00	93,860.00	0.00	93,860.00
769103 Overseas Travel (Airfare/Transport)	0.00	0.00	7,290.75	7,290.75	0.00	7,290.75-	0.00	7,290.75-
769104 Overseas Travel (Course/Registration Fee	0.00	0.00	9,465.88	9,465.88	0.00	9,465.88-	0.00	9,465.88-
770347 Med Employm & Radiation Checkup-Reseach	0.00	0.00	32.60	32.60	0.00	32.60-	0.00	32.60-
790601 Exchange Loss-Realised	0.00	0.00	1,875.96	1,875.96	0.00	1,875.96-	0.00	1,875.96-
791455 Expenditure-Interdept Medical	0.00	0.00	86.00	86.00	0.00	86.00-	0.00	86.00-
Sub Total	1,022,000.00	0.00	363,280.38	363,280.38	2,755.20	655,964.42	0.00	655,964.42

Equipment/Fixed Assets:

202311 Equipment	0.00	0.00	0.00	0.00	208,457.00	208,457.00-	0.00	208,457.00-
202312 Computer Equipment	0.00	0.00	25,997.87	25,997.87	15,600.60	41,598.47-	0.00	41,598.47-
731401	0.00	0.00	1,286.99	1,286.99	4,146.25	5,433.24-	0.00	5,433.24-

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	S\$	S\$	S\$	S\$	S\$	S\$	S\$	S\$
Computer Hw-Purchase-Low Value Items Exp								
750101	361,130.00	0.00	0.00	0.00	0.00	361,130.00	0.00	361,130.00
Equip-Purchase-Low Value Items Expensed								
Sub Total	361,130.00	0.00	27,284.86	27,284.86	228,203.85	105,641.29	0.00	105,641.29
TOTAL BUDGET BALANCE	4,126,850.00	0.00	647,336.49	647,336.49	230,959.05	3,248,554.46	0.00	3,248,554.46

WE WILL ASSUME THAT THE STATEMENT IS IN ORDER, IF WE
 DO NOT HEAR FROM YOU WITHIN 2 WEEKS FROM THE DATE OF
 STATEMENT. IF YOU NEED ANY CLARIFICATIONS, PLEASE CALL
 OR WRITE TO PATRICIA ANG (66017298)

OFFICE OF FINANCIAL SERVICES

WBS ELEMENT : R-263-000-D71-281
 ACCOUNT TITLE : NRF-CRP20-2017-0003
 COGNIVISION-ENERGY-AUTONOMOUS ALWAYS-ON
 COGNITIVE AND ATTENTIVE CAMERAS FOR
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Grants

LIST OF PAYMENTS/RECEIPTS FROM 01.02.2019 TO 02.11.2020

G/L ACCOUNT / PARTICULARS	DOC. NUMBER/TYPE	PO NUMBER	REFERENCE RECEIPT/INV. NO	DOC. DATE	TAX CODE	AMOUNT (S\$)
520901						
Grant-Other Govt Ministries						
NATIONAL RESEARCH FOUNDATION Sales Invoice	23419056	RV	23419056	14.05.2020	OS	204,102.92-
NATIONAL RESEARCH FOUNDATION Sales Invoice	23423143	RV	23423143	06.08.2020	OS	103,569.36-
NATIONAL RESEARCH FOUNDATION Sales Invoice	23425842	RV	23425842	16.09.2020	OS	60,484.07-
SUB-TOTAL FOR: 520901						368,156.35-
520931						
Other Govt Ministries Grant (Accrued)						
FY2019 DEFICIT	63051324	JI		31.03.2020	OS	103,569.36-
FY2019 DEFICIT -Rev	63054919	JI		24.04.2020	OS	103,569.36
FY2020Q1 DEFICIT	63075008	JI	FY20AC	30.06.2020	OS	60,484.07-
FY2020Q1 DEFICIT -Rev	63075918	JI	FY20AC	01.07.2020	OS	60,484.07
FY2020Q2 DEFICIT	63089041	JI	FY20AC	30.09.2020	OS	257,112.23-
FY2020Q2 DEFICIT -Rev	63089664	JI	FY20AC	01.10.2020	OS	257,112.23
FY19Q1-Q3	64189706	JW	FY19Q1-Q3	31.03.2020	OS	204,102.92-
FY19Q1-Q3-REV	64192653	JW	FY19Q1-Q3-REV	22.05.2020	OS	204,102.92
FY19Q4	64194096	JW	FY19Q4	17.06.2020	OS	103,569.36-
FY19Q4-REV	64197048	JW	FY19Q4-REV	17.08.2020	OS	103,569.36
FY20Q1	64197524	JW	FY20Q1	25.08.2020	OS	60,484.07-
FY20Q1-REV	64198986	JW	FY20Q1-REV	16.09.2020	OS	60,484.07
SUB-TOTAL FOR: 520931						0.00
GRAND TOTAL FOR: Grants						368,156.35-

WBS ELEMENT : R-263-000-D71-281 Expenditure on Manpower

ACCOUNT TITLE : NRF-CRP20-2017-0003
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680101						
Research-Regular-Basic Salary						
*	379	SL		18.07.2020		3,710.00
*	386	SL		18.07.2020		10,739.13
*	394	SL		18.07.2020		5,834.00
*	708	SL		25.08.2020		3,710.00
*	732	SL		25.08.2020		5,834.00
*	744	SL		25.08.2020		13,935.00
*	1160	SL		18.09.2020		3,710.00
*	1177	SL		18.09.2020		5,834.00
*	1178	SL		18.09.2020		12,000.00
*	1430	SL		16.10.2020		5,834.00
*	1433	SL		16.10.2020		12,000.00
*	47188	SL		19.08.2019		11,205.53
*	47333	SL		18.09.2019		17,250.00
*	47502	SL		16.10.2019		15,000.00
*	47712	SL		21.11.2019		15,000.00
*	47879	SL		16.12.2019		15,000.00
*	48066	SL		15.01.2020		15,000.00
*	48266	SL		14.02.2020		15,000.00
*	48523	SL		16.03.2020		15,000.00
*	48740	SL		15.04.2020		15,000.00
*	48872	SL		14.05.2020		10,500.00
*	48985	SL		16.06.2020		19,816.27

WBS ELEMENT : R-263-000-D71-281 Expenditure on Manpower

ACCOUNT TITLE : NRF-CRP20-2017-0003
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G/L ACCOUNT / PARTICULARS	DOC.NUMBER/TYPE	PO NUMBER	REFERENCE RECEIPT/INV. NO	DOC. DATE	TAX CODE	AMOUNT (S\$)
SUB-TOTAL FOR: 680101						246,911.93
680184						
Research Appt-SDF Contribution						
*	47188	SL		19.08.2019		24.95
*	47333	SL		18.09.2019		39.38
*	47502	SL		16.10.2019		33.75
*	47712	SL		21.11.2019		33.75
*	47879	SL		16.12.2019		33.75
*	48066	SL		15.01.2020		33.75
*	48266	SL		14.02.2020		33.75
*	48523	SL		16.03.2020		33.75
*	48740	SL		15.04.2020		33.75
*	48872	SL		14.05.2020		22.50
*	48985	SL		16.06.2020		43.03
SUB-TOTAL FOR: 680184						366.11
680186						
Research-Regular-Foreign Worker Levy						
*	379	SL		18.07.2020		330.00
*	386	SL		18.07.2020		330.00
*	394	SL		18.07.2020		330.00
*	708	SL		25.08.2020		330.00
*	732	SL		25.08.2020		330.00
*	744	SL		25.08.2020		330.00
*	1160	SL		18.09.2020		330.00

WBS ELEMENT : R-263-000-D71-281 Expenditure on Manpower

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G/L ACCOUNT / PARTICULARS	DOC.NUMBER/TYPE	PO NUMBER	REFERENCE RECEIPT/INV. NO	DOC. DATE	TAX CODE	AMOUNT (S\$)
*	1177	SL		18.09.2020		330.00
*	1178	SL		18.09.2020		32.55
*	1421	SL		16.10.2020		330.00
*	1430	SL		16.10.2020		330.00
*	47188	SL		19.08.2019		75.95
*	47333	SL		18.09.2019		503.60
*	47502	SL		16.10.2019		660.00
*	47712	SL		21.11.2019		660.00
*	47879	SL		16.12.2019		660.00
*	48066	SL		15.01.2020		660.00
*	48266	SL		14.02.2020		660.00
*	48523	SL		16.03.2020		660.00
*	48985	SL		16.06.2020		362.55
SUB-TOTAL FOR: 680186						8,234.65

680187
Research-Regular-CPF & SDF

*	379	SL		18.07.2020		9.28
*	386	SL		18.07.2020		22.99
*	394	SL		18.07.2020		11.25
*	708	SL		25.08.2020		9.28
*	732	SL		25.08.2020		11.25
*	744	SL		25.08.2020		28.41
*	1160	SL		18.09.2020		9.28
*	1177	SL		18.09.2020		11.25

WBS ELEMENT : R-263-000-D71-281 Expenditure on Manpower

ACCOUNT TITLE : NRF-CRP20-2017-0003

COGNIVISION-ENERGY-AUTONOMOUS ALWAYS-ON

COGNITIVE AND ATTENTIVE CAMERAS FOR

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MILLIWATT POWER CONSUMPTION

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G/L ACCOUNT / PARTICULARS	DOC.NUMBER/TYPE	PO NUMBER	REFERENCE RECEIPT/INV. NO	DOC. DATE	TAX CODE	AMOUNT (S\$)
*	1178	SL		18.09.2020		22.82
*	1430	SL		16.10.2020		11.25
*	1433	SL		16.10.2020		22.50
SUB-TOTAL FOR: 680187						169.56
682802						
Research-Regular-Healthchoice						
*	379	SL		18.07.2020		500.00
*	1178	SL		18.09.2020		130.00
*	48066	SL		15.01.2020		459.00
SUB-TOTAL FOR: 682802						1,089.00
GRAND TOTAL FOR: Expenditure on Manpower						256,771.25

REP. COST CNTR. : R263000 APPENDIX-A PAGE NUMBER: 9
WBS ELEMENT : R-263-000-D71-281 Other Operating Expenditure
ACCOUNT TITLE : NRF-CRP20-2017-0003
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710221 Consumables						
BANK CHARGES 43894075	2309146	SA	63005734	20.12.2019	IE	1.51
RECLASS BANK CHARGES RECLASS BANK CHARGES FOR DOC NO 32839959	2310586	SA	63033987	30.03.2020	IE	1.52-
RECLASS BANK CHARGES RECLASS BANK CHARGES FOR DOC 43963781	2312155	SA	63073315	01.09.2020	IE	5.01
RECLASS BANK CHARGES RECLASS BANK CHARGES FOR DOC 43963781	2312155	SA	63073315	01.09.2020	IE	5.01
RECLASS BANK CHARGES RECLASS BANK CHARGES FOR DOC 43967851	2312156	SA	63075851	01.09.2020	IE	10.09
RECLASS BANK CHARGES RECLASS BANK CHARGES FOR DOC 32870305	2312791	SA	63081697	15.10.2020	IE	4.11-
RECLASS BANK CHARGES RECLASS BANK CHARGES FOR DOC 32870305	2312791	SA	63081697	15.10.2020	IE	4.08-
RECLASS BANK CHARGES RECLASS BANK CHARGES FOR DOC 32873295	2312792	SA	63084663	15.10.2020	IE	10.10-
RECLASS BANK CHARGES RECLASS BANK CHARGES FOR DOC 32874603	2312793	SA	63085251	15.10.2020	IE	10.12-
RECLASS BANK CHARGES RECLASS BANK CHARGES FOR DOC 43976189	2312794	SA	63080731	15.10.2020	IE	10.06
MUSE SEMICONDUCTOR LLC Wafer corners for customer part number:G	32800435	ZK	5117045104 1529	26.06.2019	IE	3,845.24
MUSE SEMICONDUCTOR LLC Multi-Project Wafer (or MPW) shuttle ser	32807961	ZK	5117045865 1508	17.06.2019	IE	40,859.33
MUSE SEMICONDUCTOR LLC Multi-Project Wafer (or MPW) shuttle ser	32807962	ZK	5117045865 1554	24.07.2019	IE	40,859.33
MUSE SEMICONDUCTOR LLC Wafer corners for customer part number:G	32811531	ZK	5117045104 1583	23.08.2019	IE	3,897.88
MUSE SEMICONDUCTOR LLC Wafer corners for TSMC 180nm process#	32838786	ZK	5117062794 1663	07.01.2020	IE	3,801.28

REP. COST CNTR.: R263000 APPENDIX-A PAGE NUMBER: 10
WBS ELEMENT : R-263-000-D71-281 Other Operating Expenditure
ACCOUNT TITLE : NRF-CRP20-2017-0003
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MUSE SEMICONDUCTOR LLC Wafer corners for TSMC 180nm process#	32838788 ZK	5117062794	1729	12.12.2019	IE	3,801.28
MUSE SEMICONDUCTOR LLC To Supply and Deliver one lot of Multi-P	32839959 ZK	5117061646	1743	23.12.2019	IE	12,010.34
MUSE SEMICONDUCTOR LLC For the Supply and Delivery of one lot o	32851539 ZK	5117064376	1662	22.10.2019	IE	5,096.00
MUSE SEMICONDUCTOR LLC For the Supply and Delivery of one lot o	32851540 ZK	5117064376	1826	02.03.2020	IE	5,096.00-
MUSE SEMICONDUCTOR LLC For the Supply and Delivery of one lot o	32851541 ZK	5117064376	1735	02.03.2020	IE	10,192.00
MUSE SEMICONDUCTOR LLC To Supply and Deliver one lot of Multi-P	32870305 ZK	5117090107	2120	23.07.2020	IE	92,924.16
MUSE SEMICONDUCTOR LLC TSMC 180nm#	32870324 ZK	5117090525	2125	23.07.2020	IE	7,743.68
MUSE SEMICONDUCTOR LLC TSMC 180nm MS RF G Full Block#	32873295 ZK	5117092435	2170	17.08.2020	IE	35,238.40
MUSE SEMICONDUCTOR LLC TSMC 40nm LP Full Block#	32874603 ZK	5117091861	2177	21.08.2020	IE	39,242.06
NUS MULTI-PURPOSE CO-OPERATIVE SOCI ETY LTD SEAGATE 5TB HARD DISK	43835811 RK		I-P21-2019000413	12.06.2019	I7	437.99
DIGI-KEY CORPORATION COMPONENTS	43872334 RK		69774799	05.09.2019	IE	285.68
DIGI-KEY CORPORATION COMPONENTS	43872335 RK		69760260	04.09.2019	IE	327.59
DIGI-KEY CORPORATION COMPONENTS	43872336 RK		69797031	06.09.2019	IE	285.68
INTEGRATED SERVICE TECHNOLOGY INC. INITIAL CHARGE, WIRE BONDING	43878255 RK		IST2019090005	13.08.2019	IE	4,094.27
INTEGRATED SERVICE TECHNOLOGY INC. CERAMIC PACKAGE SUSTRATE	43883936 RK		IST2019090008	06.09.2019	IE	1,980.81
INTEGRATED SERVICE TECHNOLOGY INC.	43883937 RK		IST2019090007	03.09.2019	IE	2,717.95