

CEA

WPPPL 201002

Account

I. General Information

1. Description of Asset(s) and Project: Flex Flow Cell Pressure Decay Tester

2. Department Name: Waters Pacific Pte Ltd - Operations 3. Cost Center: WP21 4. Company Code: SG02

5. Requestor: Luo HuaZhen Telephone: (65) 6593 7044

6. Financial Analyst: _____ Telephone: _____

7. ☒ Original CEA Request or ☐ Supplemental Request - Original CEA: _____

8. Will asset(s) reside at a Waters facility? ☐ Yes - City: Singapore State: Singapore

☒ No - Company Name, Address & Contact: Flextronics Manufacturing Singapore Pte Ltd, 1 Kallang Place Singapore 339211, https://flex.com/connect

II. Summary of Budget and Requested Amounts

Budget and Requested Amounts:		Cost Components Including Supplemental Amount:		Tax Department Use
9. Budget	\$ 14,821.00	15. Purchased Materials - External Vendors		
10. Original CEA Amount		16. Services		
11. Supplemental Amount		17. Consulting / Contractors - External Labor		
12. Total CEA Amount	\$ -	18. Waters Employee Labor		
		19. Waters Stock Withdrawal / Internal Purchase @ Mfg Cost		
13. (Over)/ Under Budget	\$ 14,821.00	20. Total CEA Amount		

14. Is this a purchase from a Waters subsidiary? ☒ no ☐ yes - Transfer Price Amount: _____

III. Identifiable Asset(s) and Project Components

21. Description	22. Quantity	23. Cost / Each	24. Total Cost	25. Useful Life/Years
PC LACE16 and accessories	1	1,550.00	\$ 1,550.00	5 Years
Tester box	1	13,271.00	\$ 13,271.00	5 Years
			\$ 14,821.00	

IV. Approvals

One operational and one financial approval is required from within the same division for CEA's up to \$1M. See matrix below. Obtaining a higher level of approval within the Operational and Financial categories is allowed. See instructions for additional details regarding approval requirements.

Highest Level of Approvals Required

	Operational	Financial
Budgeted up to \$100k	Cost Center Manager	Financial Analyst
Unbudgeted up to \$100k	Cost Center Manager	Controller
Budgeted & Unbudgeted up to \$250k	Division V.P.	Division V.P., Finance
Budgeted & Unbudgeted up to \$1M	Division President for Division, V.P. Finance for Corporate	Division V.P., Finance for Division, C.F.O. for Corporate
Budgeted & Unbudgeted over \$1M	Division President & C.E.O.	Division V.P., Finance & C.F.O.

26. Required Approvals up to \$1M

	Print Name	Sign Name	Date
Operational	LIM EE LING		
Financial	ALAN TAN		3/8/20

V. Purpose

☐ Health & Safety	☒ Development of Revenue
☐ Regulatory Requirement	☐ Cost Reduction Program
☐ Maintain Existing Asset	} Asset # & Date Acquired: _____
☐ Replace Existing Asset	
☒ Other.....	

27. Please provide background information, reason for request, additional description of item/project and economics of proposal.

The existing Pressure Decay Tester is old and critical for flow cell build. Based on tester utilization calculation, this pressure decay tester in Flex has been used up 91.56% of total tester capacity. Tester Utilization based on Q1 & Q2'20 numbers: Prime is 79.3%; Prime + Spares is 91.56%; Q3 & Q4'19 numbers: Prime is 78.2%; Prime + Spares is 91.5%. *Will utilize 40k ADP Apr 2 - Q2 2020.*

VI. Tax Information

28. Is this capital expenditure directly and exclusively related to manufacturing or R&D and to be used in a non-administrative capacity? ☒ Yes ☐ No

29. If 28 "Yes", will it be used for pollution control or waste removal? ☐ Yes ☒ No

30. If this capital expenditure is for R&D only, will it be used for quality control? ☐ Yes ☒ No

31. Is this capital expenditure for a repair to or enhancement of real property (i.e. building or land)? ☐ Yes ☒ No

32. If 31 "Yes", will there be a contractor providing labor and materials? ☐ Yes ☒ No

33. If 31 "Yes", is the project a lump sum contract or will materials and labor be billed separately? ☐ Yes ☒ No

VII. Timing of Project

	Current Year				Next Year	Total
	Q1	Q2	Q3	Q4	Carryover	
Approvals (k\$)					x	
Spending (k\$)					x	

VIII. Budget

Current Year			
Q1	Q2	Q3	Q4
	X		

34. What quarter was this budgeted in?

35. Provide explanation if CEA is unbudgeted (partially or fully).

IX. Additional Approvals

36. Required Approvals up to \$1M

	Print Name	Sign Name	Date
Operational			
Financial			

37. Other Approvals, Not Required

	Print Name	Sign Name	Date
TEST ENGINEERING			

OESR 193460

Item	MFG	vendor	price	QTY	cost	subtotal
Lace16			1250		1	1250
Kybd, etc			100		1	100
monitor			200		1	200
Valve	valco		225		6	1350
xducer	omega		275		3	825
muffler	Beswick		7		4	28
gas filter			725		1	725
relief valv			385		1	385
2 stage Regulator	Generant		500		1	500
9174 chassis	NI		820		1	820
9205 AIN	NI		773		1	773
9375 HVDIO	NI		415		1	415
sol/manifold	Humphrey				1	250
Misc ss fittings			100	na		100
Misc electric			100	na		100
enclosure,						
machined parts			7000	AR		7000
				total		14821
						14821

1550 PC LACE16 and accessories

13271 Tester box

HuaZhen Luo

From: Ee Ling Lim
Sent: Tuesday, 24 March, 2020 16:35
To: HuaZhen Luo
Cc: Alan Tan
Subject: RE: CEA

Hi Huazhen, pls take this email as my approval.

Lim Ee Ling
Director, WPPL Operations



[T] +65 6593 7420
[F] +65 6873 0820
[M] +65 9012 5188
[W] www.waters.com
[E] ee_ling_lim@waters.com
[facebook](#) | [linkedin](#) | [twitter](#) | [youtube](#)

Waters Pacific Pte Ltd
1 Science Park Road
#02-08 The Capricorn
Singapore Science Park II
Singapore 117528

From: HuaZhen Luo <HuaZhen_Luo@waters.com>
Sent: Tuesday, 24 March, 2020 09:17
To: Ee Ling Lim <ee_ling_lim@waters.com>
Subject: FW: CEA

Hi Ee Ling,

We have an old tester- Flow Cell Pressure Decay tester in Flex. It's running on high percentage of tester's capacity and it's an unique tester critical to our flow cell production in Flex. So we need to have a new tester to distribute the loading and back up each other with the existing tester.

Please kindly review/approve this CEA below for new flow cell pressure decay tester build.

Thank you

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Luo HuaZhen
Senior Test Engineer

[T] +65 6593 7044
[F] +65 6873 0820
[W] www.waters.com
[E] huazhen_luo@waters.com

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Waters Pacific Pte Ltd
1 Science Park Road
#02-08 The Capricorn
Singapore Science Park II
Singapore 117528

From: Alan Tan <Alan_Tan@waters.com>

Sent: Tuesday, 24 March, 2020 08:31

To: HuaZhen Luo <HuaZhen_Luo@waters.com>

Cc: Bernice He <Bernice_He@waters.com>; Christine Zhao <Christine_Zhao@waters.com>

Subject: CEA

Hi Hua Zhen

Is this already signed by Ee Ling? If not, can you get approval by email?

Tks