

Corporate Finance Use	
CEA	WPPL18004
Account	170100

I. General Information

1. Description of Asset(s) and Project: ALLIANCE EVALUATION TESTER

2. Department Name: WPPL 3. Cost Center: WP21 4. Company Code: SG02

5. Requestor: Jie Hui Ng Telephone: (65) 6593 7043

6. Financial Analyst: Liyi Ang Telephone: (65) 6593 7425

7. ☒ Original CEA Request or ☐ Supplemental Request - Original CEA: WPPL18004

8. Will asset(s) reside at a Waters facility? ☐ Yes - City: _____ State: _____
☒ No - Company Name, Address & Contact: Flextronics Manufacturing (Singapore) Pte Ltd
1 Kallang Place
Singapore 339211

II. Summary of Budget and Requested Amounts

Budget and Requested Amounts:		Cost Components Including Supplemental Amount:		Tax Department Use
9. Budget		15. Purchased Materials - External Vendors	1,600	
10. Original CEA Amount	15,042	16. Services		
11. Supplemental Amount		17. Consulting / Contractors - External Labor		
12. Total CEA Amount	15,042	18. Waters Employee Labor		
		19. Waters Stock Withdrawal / Internal Purchase @ Mfg Cost	13,442	
13. (Over)/ Under Budget	(15,042)	20. Total CEA Amount	15,042	

14. Is this a purchase from a Waters subsidiary? ☐ no ☒ yes - Transfer Price Amount: 32,474

III. Identifiable Asset(s) and Project Components

21. Description	22. Quantity	23. Cost / Each	24. Total Cost	25. Useful Life/Years
WAT038040	4	\$ 828	3,314	5
185002441	2	\$ 678	1,355	5
185248900	4	\$ 2,193	8,773	5
Ethernet Switch	1	100	100	5
Empower Station with Multi BusLAC/E card	1	1,500	1,500	5
			15,042	

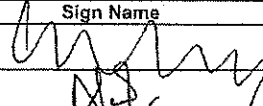
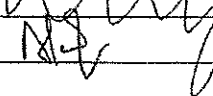
IV. Approvals

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		21/2/2018
Financial	ALAN TAN		21/2/2018

Corporate Finance Approval (Initial & Date)

Entered into SAP (Initial & Date)

V. Purpose

☐ Health & Safety	☐ Development of Revenue
☐ Regulatory Requirement	☐ Cost Reduction Program
☐ Maintain Existing Asset	
☐ Replace Existing Asset	
☒ Other.....	

Asset # & Date Acquired: _____
Capacity upgrade

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

Capacity upgrade

Alliance evaluation tester is required to evaluate the new Alliance carryover testing and also enable additional capacity for final testing as additional product level testing required as part of Pul Wellness initiative will increase the test time for testing by 15 min on average.
Per quarter 2018, average is 1220 units, so per day output is 18.7 (19 units). This is assuming linear loading and full workweek so the current capacity is already stretch. With increase test time, utilization will reduce to only 16 units which cannot meet the output required of 19 ~ 20 units every day. So additional capacity need to be plan to support the testing change.

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\$)	15.04					15.04
Spending (k\$)	15.04					15.04

VIII. Budget

	Current Year			
	Q1	Q2	Q3	Q4
34. What quarter was this budgeted in?				

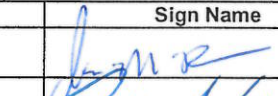
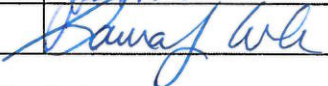
35. Provide explanation if CEA is unbudgeted (partially or fully).

2018 Capex budget is still pending for approval.

We will utilise overall WPPL 2018 Capex budget for this CEA.

IX. Additional Approvals

36. Required Approvals up to \$1M

	Print Name	Sign Name	Date
Operational	JIM MCPHERSON		02-MAR-2018
Financial	LAURA COLE		Mar 2, 2018

37. Other Approvals, Not Required

	Print Name	Sign Name	Date
TEST ENGINEERING			

CEA for Alliance evaluation tester stations

Standard cost

T4 Price/unit T4 Price in total

Description	P/N	Qty	Unit price	Total price	Consumable	CEA
CHM WAT038040 (or equivalent, refurb, etc.) - WAT091727	WAT038040	4	\$ 828.42	3313.68		\$ 3,313.68
TCM WAT038000 (or equivalent, refurb - WAT091728, etc.)	186002441	2	\$ 677.53	1355.06		\$ 1,355.06
2489 UV/ Visible Detector (Blue)	186248900	4	\$ 2,193.19	8772.76		\$ 8,772.76
Ethernet Switch		1	\$ 100.00	100		\$ 100.00
3) Empower station with multi BusLAC/E card		1	\$ 1,500.00	1500		\$ 1,500.00
				1500		\$ 1,500.00
						\$ 15,000.00

32,473.68



Alliance Test Meeting - info

Michael Cotter to Desmond Ann, Edwin Koh
Chau Nguyen, Mark Jussame

This message has been forwarded

Here's the information from the meeting.

To prepare for an evaluation on 2/23, we'll configure the QA workstation (so as to not disrupt production). We'll need the following at Flextronics:

- Column 186003031 - Procure enough to support the evaluation and early production
- Sample Kit 700003741 - Procure enough to support the evaluation and early production
- CHM WAT038040 (or equivalent, refurb, etc.) - one per station
- TCM WAT038000 (or equivalent, refurb - WAT091728, etc.) - one for every three stations
- 2489 Detector 186002487 - one per station (QA workstation should already have one)
- A few extra vials (for the linearity and carryover samples)

To roll out the changes to the final test stations, Final-Test-2 will need an update (to SPH). This may be simple, but I want to have a backup plan. I want to know that we have another computer to replace it, if necessary.

This computer could be any test computer with a serial port, that can support an Instrument LAN and BusLAC/E card (2 PCI slots or one PCI slot and one PCIX slot). It could be a LAC/E 10, 11, 12, 13, 14 or 15, or an IBM/lenovo M50, M52, M55, M58, C20x or C30.

We'll likely not even need this computer, but I want to know that it's available, so we don't interrupt production.

I'll have the TSP updated by then (ECR may not be complete, but will be close).

Let me know if you have any more questions, or need any clarification.

Thanks,
Mike

Mike Cotter
Principal Test Engineer

Waters

THE SCIENCE OF
WATER PURIFICATION
WATERS CORPORATION
240000 STREET
MILFORD
MA 01757

07.02.20

Shex