#### **Overall Group Performance**

Hana Microelectronics Group 'Hana' Sales Revenue decreased 14% year on year to THB 5.2 billion for the third quarter of 2019 from THB 6.0 billion for the third quarter 2018. Sales Revenue in USD terms decreased 8% to USD 168m for Q3 2019 from USD 182m in Q3 2018. Operating Profits decreased 53% to THB 381m in Q3 2019 from THB 815m in Q3 2018.

Net Profit decreased 55% to THB 407m in Q319 from THB 905m in Q318, due to lower operating profits in Q319 vs Q318.

	<u>Quarter</u>		<u>Quarter</u>			<u>%</u>
THB '000	Q319		<u>Q318</u>		Q319-Q318	Q319-Q318
PCBA (Lamphun, Thailand)	2,348,104	45%	2,302,595	38%	45,509	2%
PCBA (Jiaxing, China)	659,502	13%	960,153	16%	(300,651)	-31%
PCBA (Cambodia)	29,227	1%	16,082	0%	13,145	82%
IC (Ayutthaya, Thailand)	1,678,416	32%	2,115,779	35%	(437,363)	-21%
IC (Jiaxing, China)	242,954	5%	348,936	6%	(105,982)	-30%
HTI (Ohio, USA)	211,446	4%	274,527	5%	(63,081)	-23%
Total Revenue	5,169,649	100%	6,018,072	100%	(848,423)	-14%

#### **Sales Revenue Analysis**

#### **Year on Year Sales Revenue Analysis**

Quarter 3 2019 sales revenue for the group decreased 8% year-on-year in USD terms to USD 168m from USD 188m in Q318. The average exchange rate for Q319 was 7% stronger at THB/USD 30.7 from THB/USD 33.0 in Q318. As a result the sales revenue in THB terms decreased 14% year on year for the quarter.

Year-on-year, in USD terms, the microelectronics divisions sales decreased by 1%. Sales in Lamphun increased 9% whilst Jiaxing decreased by 26%. The IC divisions sales revenues decreased 16% in Q319, with revenues of the IC division in Ayutthaya decreasing 15% and Jiaxing decreasing by 25%. "HTI" the Microdisplay/RFID operation in Ohio sales revenue decreased 18% in Q319 from Q318.

#### **Quarter on Quarter Sales Revenue Analysis**

Quarter-on-Quarter, in USD terms, sales for the group increased 3% to USD 168m in Q319 from USD 163m in Q219. In THB equivalent the group sales were up similar in Q319 compared to Q219. Sales in the microelectronics divisions increased 3% with Lamphun increasing 7% and Jiaxing decreasing 9%. Sales revenues from the IC divisions were 4% higher in Q319 with Ayutthaya sales increasing 4% and Jiaxing IC sales increasing by 7%. The Microdisplay division sales decreased 10% in Q319 compared to Q219.

#### Sales Revenue Split

	<u>Q3 2019</u>	Q2 2019	Q1 2019	Q4 2018	Q3 2018
PCBA (Lamphun, Thailand)	45%	44%	44%	40%	38%
PCBA (Jiaxing, China)	13%	14%	15%	17%	16%
PCBA (Cambodia)	1%	0%	0%	0%	0%
IC (Ayutthaya, Thailand)	32%	32%	33%	34%	35%
IC (Jiaxing, China)	5%	5%	4%	4%	6%
HTI (Ohio, USA)	4%	5%	4%	5%	5%
	100%	100%	100%	100%	100%

#### **Gross Profit / Cost of Sales Analysis and Sales and Administration Analysis**

The Gross Profit margin was 6 percentage points lower at 12% in Q319 down from Q318 at 18% due to reduced economies of scale from lower sales revenue [-2%], stronger THB/USD exchange rate [-2%], change in product mix [-1%] and higher labour and salaries expenses [-1%].

#### **Operating Profit Analysis**

Year-on-year operating profits, were 53% lower at THB 381m in Q319 compared to THB 815m in Q318. The Operating margin was 7 percentage points lower at 7% in Q319 down from 14% in Q318 due to lower gross margin 6%. SG&A expenses were 2% higher in Q319 from Q318 due to increased R&D expenses.

#### **Foreign Exchange Rates**

Each week's sales and purchases are booked based on the exchange rate at the close of the previous week. The average exchange rate for Q319 was Baht/USD 30.71, Q318 was Baht/USD 32.97 (and Q219 was Baht/USD 31.59).

The offshore subsidiaries income statements are translated at the average rate for the quarter, (for their respective currencies). The Balance sheets of the offshore companies were translated at the closing rate of Baht/USD 30.59 at 30/09/19, and Baht/USD 32.41 at 30/09/18 (30.74 at 30/06/19) or the respective rate applicable to each offshore subsidiary's base currency.

#### **Payout Analysis**

No dividends were paid out during the quarter.

#### **Financial Status**

Net Cash reserves and financial investments at the 30th September 2019 were THB 8.5 billion down THB 1.0 billion from 30th September 2018 were THB 9.5 billion.

#### **Asset Quality**

#### **Accounts Receivable**

Most of customers are well known and have good reputation in the IC, and electronics industry. Provision is made of amounts outstanding over 90 days and amounts which the management believe may be doubtful. Accounts receivable days were 64 days in Q319 and 61 days in Q318.

Trade Receivables	30-Jun-19	30-Sep-18	THB '000
Less than 3 months	3,548,010	3,932,726	
3 - 6 months	20,406	19,661	
6 - 12 months	9,001	1,629	
More than 12 months	2,974	3,354	
Total accounts receivable - other companies	3,580,391	3,957,370	=
Less : Allowance for doubtful accounts	(5,609)	(8,525)	
•	3,574,782	3,948,845	_

#### **Inventory**

In general, Hana's production is based on clients' orders, consequently, the majority of inventory are raw materials, expendable tools and work in process with little finished goods pending for customer delivery. The group companies normally write-off out-of-date inventory, and make provision for aged inventory and depletion in the value of fixed assets, if material, each quarter. Inventory days were 89 days as at 30th September, 2019 and 85 days as at 30th September, 2018.

#### Liquidity

Liquidity ratios are high at approximately 4 times current liabilities. Operating Cashflow (Recurring EBITDA) in Q3 2019 was THB 664m which was 40% lower than Q3 2018 was THB 1,098m.

#### **Capital Expenditure**

Net Capital Expenditure was THB 297m in Q3 2019, and THB 812m in Q3 2018. Generally, capital expenditure for production equipment will follow the increase in sales, particularly in the IC division. However, there is a 3 to 6 month time lag due to the ordering lead time. Plant expansion will depend on the current building utilisation and lead time to construct new plant or expand in an existing plant.

#### **Source of Financial Capital**

As the group as no net interest bearing debt and operating working capital is positive the groups funding is from the shareholders equity.

#### Major Factors which could have an Impact on the Company's Performance

The company business is that of an electronics manufacturing service company. The company manufactures products on behalf of its customers for shipment to them or their customers. Therefore, the company's performance is mostly affected by its ability to win and retain business from the existing and new customers. In turn, customer demand is affected by world economic growth and the customer's sales growth.

The groups sales revenue are in foreign currency (primarily USD) and USD currency costs are approximately 60% of sales revenues. The Group operating profit sensitivity to change in the Thai Baht/USD and Chinese CNY/USD exchange rates is currently about Baht 200m per quarter for every 10% change in the average Baht/USD and CNY/USD rates (i.e. (1- 0.60) x Sales Revenue x 10%). Out of the groups foreign exchange exposure, USD 120m is hedged, Foreign exchange contracts are used to buy THB and Sell USD on a rolling 3 or 6 months basis.

Whilst the book value of the offshore companies are represented in foreign currency, the effect of the change in the exchange rate is shown by the movement of the foreign currency 'Translation Adjustment' in the shareholders funds section of the balance sheet. There is no cash affect concerning its movement.

#### **Exceptional Items**

None

#### **Subsequent Event**

None

## **CONSOLIDATED STATEMENT OF EARNINGS**

	Quarter		Quarter			%
'000 Baht	Q319		Q318		Q319-Q318	Q319-Q318
REVENUES		_		•		
Sales	5,169,648		6,018,072		(848,424)	-14%
consisting of:	, ,		, ,		, , ,	
PCBA (Lamphun, Thailand)	2,348,104	45%	2,302,595	38%	45,509	2%
PCBA (Jiaxing, China)	659,502	13%	960,153	16%	(300,651)	-31%
PCBA (Cambodia)	29,227	1%	16,082	0%	13,145	82%
IC (Ayutthaya, Thailand)	1,678,416	32%	2,115,779	35%	(437,363)	-21%
IC (Jiaxing, China)	242,954	5%	348,936	6%	(105,982)	-30%
HTI (Ohio, USA)	211,446	4%	274,527	5%	(63,081)	-23%
	5,169,649	100%	6,018,072	100%	(848,423)	-14%
Other Income	86,331		61,147		25,184	41%
Other Income - non operating	388		383		5	1%
TOTAL OPERATING REVENUES	5,256,368	-	6,079,602	-	(823,234)	-14%
EXPENSES						
Cost of Sales	4,548,276	88%	4,932,036	82%	(383,760)	-8%
Selling & Admin. Expenses	318,861	6%	313,670	5%	5,191	2%
R&D Expenses	7,872	0%	18,227	0%	(10,355)	-57%
TOTAL EXPENSES	4,875,009	94%	5,263,933	87%	(388,924)	-7%
OPERATING EARNINGS	381,359	7%	815,669	13%	(434,310)	-53%
Interest	44,405		44,939		(534)	-1%
Interest Expenses	(4,207)		-		(4,207)	
EARNINGS before Income Tax	421,557	8%	860,608	14%	(439,051)	-51%
Corporate Income Tax	(30,867)	-1%	(27,287)	0%	(3,580)	13%
Earnings before Exch. & Exceptional Items	390,690	_	833,321		(442,631)	-53%
Exchange Gain (Loss)	16,522		71,449		(54,927)	
Exceptional Items	-		-		-	
NET EARNINGS for the Period	407,212	8%	904,770	15%	(497,558)	-55%
EARNINGS % of SALES	8%		15%		-7%	
Average number of shares (1 Baht par)	804,879		804,879		-	
EARNINGS per SHARE (baht) before exch. & exceptionals	0.49		1.04		- 0.55	
EARNINGS per SHARE (baht) after exceptionals	0.51		1.12		- 0.61	
Operating Profit (EBIT)	380,970		815,286		(434,316)	-53%
Operating Profit Margin	7%		14%			
Depreciation	282,675		283,102		(427)	
EBITDA (excl exchange gain/loss)	663,645		1,098,388		(434,737)	-40%
EBITDA % of Sales Revenue	13%		18%			

# **CONSOLIDATED STATEMENT OF EARNINGS**

	YTD		YTD		YTD	YTD %
'000 Baht	30-Sep-19		30-Sep-18		Q319-Q318	Q319-Q318
REVENUES		-		_		
Sales	15,461,935		16,663,169		(1,201,234)	-7%
consisting of:						
PCBA (Lamphun, Thailand)	6,864,541	45%	6,630,528	41%	234,013	4%
PCBA (Jiaxing, China)	2,150,467	14%	2,744,428	16%	(593,961)	-22%
PCBA (Cambodia)	52,794	0%	26,775	0%	26,019	
IC (Ayutthaya, Thailand)	5,039,335	33%	5,561,348	33%	(522,013)	-9%
IC (Jiaxing, China)	692,905	4%	953,931	6%	(261,026)	-27%
HTI (Ohio, USA)	661,893	4%	746,159	4%	(84,266)	-11%
	15,461,935	100%	16,663,169	100%	(1,201,234)	-7%
Other Income	245,225		231,932		13,293	6%
Other Income - non operating	1,152		1,690		(538)	
TOTAL OPERATING REVENUES	15,708,312	-	16,896,791	_	(1,188,479)	-7%
EXPENSES						
Cost of Sales	13,768,339	89%	14,278,002	86%	(509,663)	-4%
Selling & Admin. Expenses	962,056	6%	915,207	5%	46,850	5%
R&D Expenses	22,105	0%	43,088	0%	(20,984)	-49%
NGD EXPENSES	22,103	070	43,000	070	(20,304)	4370
TOTAL EXPENSES	14,752,500	95%	15,236,297	91%	(483,797)	-3%
OPERATING EARNINGS	955,812	6%	1,660,494	10%	(704,682)	-42%
Interest	133,838		142,466		(8,628)	-6%
Interest Expenses	(9,493)		-		(9,493)	
EARNINGS before Income Tax	1,080,157	7%	1,802,960	11%	(722,803)	-40%
Corporate Income Tax	(65,807)	6%	(98,151)	5%	32,344	-33%
Earnings before Exch. & Exceptional Items	1,014,350	•	1,704,809	_	(690,459)	-41%
Exchange Gain (Loss)	231,765		23,483		208,282	
Exceptional Items	-		-		-	
NET EARNINGS for the Period	1,246,115	8%	1,728,292	10%	(482,177)	-28%
EARNINGS % of SALES	8%		10%		-2%	
Average number of shares (1 Baht par)	804,879		804,879		-	
EARNINGS per SHARE (baht) before exch. & exceptionals	1.26		2.12	-	0.86	
EARNINGS per SHARE (baht) after exceptionals	1.55		2.15	-	0.60	
Operating Profit (EBIT)	954,660		1,658,804		(704,144)	
Operating Profit Margin	6%		10%			
Depreciation	858,493		810,941		47,552	
EBITDA (excl exchange gain/loss)	1,813,153		2,469,745		(656,592)	
EBITDA % of Sales Revenue	12%		15%			

# HANA MICROELECTRONICS GROUP CONSOLIDATED Balance Sheet

	Quarter	Quarter	
'000 Baht	30-Sep-19	30-Sep-18	Q319-Q318
ASSETS			
CURRENT ASSETS			
Cash in Hand & at Banks	3,802,864	4,485,217	(682,353)
Financial Investments	5,022,620	4,860,712	161,908
Accounts Receivable - trade	3,704,329	4,100,302	(395,973)
Amounts due from Related Companies	-	-	, , ,
Inventories	4,514,397	4,653,648	(139,251)
Other Current Assets	85,234	146,040	(60,806)
TOTAL CURRENT ASSETS	17,129,444	18,245,919	(1,116,475)
Fixed Deposit	137,761	145,927	(8,166)
FIXED ASSETS (net)	6,942,368	6,869,371	72,997
OTHER ASSETS	290,334	223,412	66,922
TOTAL ASSETS	24,499,907	25,484,629	(984,722)
LIABILITIES			
CURRENT LIABILITIES			
Bank Overdrafts & Loans	430,000	-	430,000
Accounts & Notes Payable	2,326,825	3,425,551	(1,098,726)
Short Term Provisions	-	-	47.000
Corporate Income Tax Payable	17,083	-	17,083
Accrued Expenses	305,919	324,066	(18,147)
Other Current Liabilities	123,035	124,914	(1,879)
TOTAL CURRENT LIABILITIES	3,202,862	3,874,531	(671,669)
LONG TERM LIABILITIES	411,684	354,710	56,974
TOTAL LIABILITIES	3,614,546	4,229,241	(614,695)
SHAREHOLDERS EQUITY			
Share Capital	804,879	804,879	
Treasury Shares	-	-	
Share Premium	1,723,219	1,723,219	
Retained Earnings			
Appropriated Statutory Reserve	456,463	443,691	12,772
Unappropriated	18,679,166	18,427,642	251,524
Translation adj. & Investment revaluation	(778,366)	(144,043)	(634,323)
Unrealised gain(loss) on change in investments	-	-	
Excess Cost over Net Book Value of Subsidiary Investments		<u> </u>	
TOTAL SHAREHOLDERS EQUITY	20,885,361	21,255,388	(370,027)
TOTAL LIABILITIES & SHAREHOLDERS EQUITY	24,499,907	25,484,629	(984,722)

# **CONSOLIDATED Summary Statement of Cashflows**

'000 Baht	Quarter 30-Sep-19	Quarter 30-Sep-18
Cashflow from Operating Activities		
Net Earnings before tax	438,079	932,057
Adjustments to reconcile net earnings to net cash provided		
by operating activities		
Non Cash items		
Depreciation	282,675	283,102
Unrealised (gain) Loss on exchange	(60,727)	(201,637)
Increase (Decrease) in allowance for doubtful debts	1,545	(749)
Increase (Decrease) in allowance for obsolete inventories	(2,973)	6,934
Change in other provisions	6,654	(18,217)
	227,174	69,433
		03,103
Working Capital (increase) decrease		
Trade accounts receivable	(74,026)	(68,091)
Inventories	390,599	(294,881)
Trade accounts payable	(279,905)	108,477
Other	27,962	8,541
	64,630	(245,954)
Net Cashflow from Operating Activities	729,883	755,536
Cashflow from Investing Activities		
(Increase) decrease in short term investment	386,684	(1,207,521)
Increase in property, plant and equipment	(355,996)	(493,820)
Proceeds from sale of fixed assets	40,398	2,866
Increase (decrease) in translation adjustment	(161,064)	(353,643)
Revaluation deficit on investments	(17,267)	6,826
Other	(27,207)	0,020
	(107,245)	(2,045,292)
Cashflow from Financing Activities		
Cash received from increase in share capital	(3,217)	-
Dividend paid	-	-
Other	(140,000)	_
Net cash (used in ) from financing activties	(143,217)	-
Net Cash, equivalents and short term liquid investments	479,421	(1,289,756)
increase (decrease)	2 272 444	E 206 EE0
Cash and Equivalents at the beginning of the period	3,323,444	5,296,558
Cash and Equivalents at the end of the period	3,802,865	4,006,802

# **Financial Ratios**

	Quarter	Quarter	
'000 Baht	30-Sep-19	30-Sep-18	Q319-Q318
Profitability Ratios			
Gross Profit Margin (%)	12%	18%	-6%
Operating Profit Margin (%)	8%	14%	-6%
Net Profit before Exceptional Margin (%)	8%	14%	-6%
Net Profit after Exceptional Margin (%)	8%	15%	-7%
EBITDA margin (%)	13%	18%	-5%
Return On Equity (%) pa	8%	17%	-9%
Return On Assets (%) pa	7%	14%	-7%
Return On Operating Capital Employed (%) pa	12%	27%	-15%
Efficiency Ratios			
Working Capital turnover	4	5	- 1
Account Receivable days	64	61	3
Inventory days	89	85	4
Accounts Payable days	46	63	- 17
Liquidity Ratios			
Current Ratio	5	5	
Quick Ratio	4	3	1
Planet I Participate			
Financial Capital Ratios	0	0	
Debt / Equity			
Net Debt to Equity	0	0	
Interest Coverage	n/a	n/a	