

TAIWAN SEMICONDUCTOR MANUFACTURING CO LTD

Form 6-K

January 28, 2010

**1934 Act Registration No. 1-14700**  
**SECURITIES AND EXCHANGE COMMISSION**  
**Washington, DC 20549**  
**FORM 6-K**  
**REPORT OF FOREIGN PRIVATE ISSUER**  
**PURSUANT TO RULE 13a-16 OR 15d-16 OF**  
**THE SECURITIES EXCHANGE ACT OF 1934**  
**For the month of January 2010**  
**Taiwan Semiconductor Manufacturing Company Ltd.**  
(Translation of Registrant's Name Into English)  
**No. 8, Li-Hsin Rd. 6,**  
**Hsinchu Science Park,**  
**Taiwan**

(Address of Principal Executive Offices)

(Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.)

Form 20-F  Form 40-F

(Indicate by check mark whether the registrant by furnishing the information contained in this form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.)

Yes  No

(If "Yes" is marked, indicated below the file number assigned to the registrant in connection with Rule 12g3-2(b):  
82: \_\_\_\_\_.)

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**TSMC Reports Fourth Quarter EPS of NT\$1.26**

**Hsin-Chu, Taiwan, R.O.C., January 28, 2010** TSMC today announced consolidated revenue of NT\$92.09 billion, net income of NT\$32.67 billion, and diluted earnings per share of NT\$1.26 (US\$0.19 per ADS unit) for the fourth quarter ended December 31, 2009.

Year-over-year, fourth quarter revenue increased 42.6% while net income increased 162.5% and diluted EPS increased 162.7%. Compared to third quarter of 2009, fourth quarter results represent a 2.4% increase in revenue, a 6.9% increase in net income, and a 7.2% increase in diluted EPS. All figures were prepared in accordance with R.O.C. GAAP on a consolidated basis.

Gross margin for the quarter was 48.5%, operating margin was 36.5%, and net margin was 35.5%.

As the global economy gradually recovered, fourth quarter saw a continued improvement in wafer sales with computer related applications growing strongly and consumer related applications declining seasonally.

Advanced process technologies (0.13-micron and below) accounted for 70% of wafer revenues. 90-nanometer process technology accounted for 16% of wafer revenues, 65-nanometer 30%, and 40-nanometer exceeded 9% of total wafer sales.

Although first quarter normally is a sequentially declining quarter for all three major semiconductor applications, we expect the demand from consumer related applications to grow in first quarter of 2010, while computer and communication related applications will decline following their seasonal pattern, said Lora Ho, VP and Chief Financial Officer of TSMC. Based on our current business outlook, management expects :

First quarter revenue to be between NT\$89 billion and NT\$91 billion, gross profit margin to be between 46.5% and 48.5%, and operating profit margin to be between 35% and 37%;

2010 capital expenditure to be around US\$4.8 billion, due to strong demand outlook for our advanced technologies.

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**TSMC's 2009 fourth quarter consolidated results :**

(Unit: NT\$million, except for EPS)

	4Q09	4Q08	YoY Inc. (Dec.) %	3Q09 Amount	QoQ Inc. (Dec.) %
	Amount*	Amount			
Net sales	92,094	64,562	42.6	89,936	2.4
Gross profit	44,695	20,195	121.3	42,858	4.3
Income from operations	33,642	12,022	179.8	31,984	5.2
Income before tax	35,368	13,094	170.1	32,957	7.3
Net income	32,666	12,446	162.5	30,551	6.9
<b>EPS (NT\$)</b>	1.26**	0.48****	162.7	1.18*****	7.2

\* 2009 fourth quarter figures have not been approved by Board of Directors

\*\* Based on 25,916 million weighted average outstanding shares

\*\*\* Based on 25,942 million weighted average outstanding shares

\*\*\*\* Based on 25,984 million weighted average outstanding shares

**TSMC Spokesperson:**

Ms. Lora Ho  
VP & CFO, TSMC  
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**TSMC Acting Spokesperson:**

Mr. J.H. Tzeng  
Deputy Director  
PR Department, TSMC

**For Further Information:**

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PR Department, TSMC

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**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Taiwan Semiconductor Manufacturing  
Company Ltd.

Date: January 28, 2010

By /s/ Lora Ho  
Lora Ho  
Vice President & Chief Financial  
Officer