

TAIWAN SEMICONDUCTOR MANUFACTURING CO LTD

Form 6-K

February 10, 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 February 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: _____.)

TSMC January 2010 Sales Report

Hsinchu, Taiwan, R.O.C. February 10, 2010 TSMC (TWSE: 2330, NYSE: TSM) today announced its net sales for January 2010: on an unconsolidated basis, net sales were approximately NT\$29.16 billion, a decrease of 4.3 percent from December 2009 and an increase of 134.4 percent over January 2009.

On a consolidated basis, net sales for January 2010 were approximately NT\$30.14 billion, a decrease of 4.5 percent from December 2009 and an increase of 129.6 percent over January 2009.

TSMC Sales Report (Unconsolidated):

(Unit: NT\$ million)

	2010*	2009	Increase (Decrease) %
Net Sales January	29,156	12,436	134.4

* *Year 2010
figures have not
been audited.*

TSMC Sales Report (Consolidated):

(Unit: NT\$ million)

	2010*	2009	Increase (Decrease) %
Net Sales January	30,136	13,126	129.6

* *Year 2010
figures have not
been audited.*

TSMC Spokesperson:

TSMC Acting Spokesperson:

For Further Information:

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Taiwan Semiconductor Manufacturing Company Limited
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This is to report the changes or status of 1) sales volume, 2) funds lent to other parties, 3) endorsements and guarantees, and 4) financial derivative transactions for the period of Jan. 2010.

1) Sales volume (in NT\$ thousand)

Period	Items	2010	2009
Jan.	Net sales	29,156,271	12,436,378

2) Funds lent to other parties: None

3) Endorsements and guarantees: None

4) Financial derivative transactions (in NT\$ thousand)

TSMC

Hedging purpose (for assets / liabilities denominated in foreign currencies)

	Futures	Forward	Swap	Single Option		Combined Option		Others
				Sell	Buy	Sell	Buy	
Margin Payment								
Premium Income								
(Expense)								
Outstanding								
Contracts								
Notional Amount		3,659,900	30,348,484					
Mark to Market								
Profit/Loss		41,863	(33,954)					
Unrealized								
Profit/Loss		41,863	(215,697)					
Expired Contracts								
Notional Amount		1,389,360	19,040,205					
Realized Profit/Loss		23,252	217,403					

TSMC's subsidiaries

Hedging purpose (for assets / liabilities denominated in foreign currencies)

	Futures	Forward	Swap	Single Option		Combined Option		Others
				Sell	Buy	Sell	Buy	
Margin Payment								
Premium Income								
(Expense)								
Outstanding								
Contracts								
Notional Amount		137,563						
Mark to Market								
Profit/Loss		21						
Unrealized								
Profit/Loss		(1,201)						
Expired Contracts								
Notional Amount		47,991						
Realized Profit/Loss		(8)						

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: February 10, 2010

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