

TAIWAN SEMICONDUCTOR MANUFACTURING CO LTD

Form 6-K

August 25, 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 August 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: _____.)

Taiwan Semiconductor Manufacturing Company Limited
For the month of July 2010

This is to report 1) the changes in the shareholdings of our board directors, executive officers and shareholders who own more than 10% of total outstanding common shares of Taiwan Semiconductor Manufacturing Company Ltd. (The Company; TSMC) (NYSE:TSM); 2) the pledge and clear of pledge of TSMC common shares by our board directors, executive officers and shareholders who own more than 10% of total outstanding common shares of TSMC; 3) the acquisition of assets by TSMC and 4) the disposition of assets by TSMC for the month of July 2010.
1)The changes in the shareholdings of our board directors, executive officers and shareholders who own more than 10% of total outstanding common shares:

| <i>Title</i> | <i>Name</i> | <i>Number of shares held as of June 30, 2010</i> | <i>Number of shares held as of July 31, 2010</i> | <i>Changes</i> |
|----------------|-------------|--|--|----------------|
| Vice President | Wei-Jen Lo | 2,832,127 | 2,797,127 | -35,000 |
| Vice President | Y. P. Chin | 4,674,823 | 4,639,823 | -35,000 |

2) The pledge and clear of pledge of TSMC common shares by our board directors, executive officers and shareholders who own more than 10% of total outstanding common shares: None

3) The acquisition of assets: None.

| <i>Description of assets</i> | <i>Purchase price</i> |
|------------------------------------|-----------------------|
| Manufacturing Equipment | NT\$20,927,205,537 |
| Facility and engineering equipment | NT\$7,390,397,860 |

4) The disposition of assets: None.

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: August 25, 2010

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