

MITTAL STEEL CO N.V.  
Form 6-K  
May 19, 2006  
UNITED STATES

**SECURITIES AND EXCHANGE COMMISSION**

**Washington, D.C. 20549**

**FORM 6-K**

**REPORT OF FOREIGN PRIVATE ISSUER**

**PURSUANT TO RULE 13a-16 OR 15d-16**

**UNDER THE SECURITIES EXCHANGE ACT OF 1934**

Dated May 19, 2006

Commission File Number: 001-14666

MITTAL STEEL COMPANY N.V.

(Translation of registrant's name into English)

15th Floor, Hofplein 20

3032 AC Rotterdam

The Netherlands

(Address of principal executive offices)

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

Form 20-F       Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): \_\_\_\_\_

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Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): \_\_\_\_\_

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  marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82-\_\_\_\_\_

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On May 19, 2006, Mittal Steel Company N.V. issued the press release attached hereto as Exhibit 99.1.

**Exhibit List**

<u>Exhibit No.</u>	<u>Description</u>
Exhibit 99.1	Press release dated May 19, 2006, announcing Mittal Steel Company N.V.'s decision to improve its offer for Arcelor.

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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.

Date: May 19, 2006

By: /s/ Henk Scheffer  
Name: Henk Scheffer  
Title: Company Secretary

**Exhibit Index**

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