SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE TO

Tender Offer Statement Under Section 14(d)(1) or 13(e)(1)		
of the Securities Exchange Act of 1934		
CTI Molecular Imaging, Inc.		
(Name of Subject Company)		
Siemens Aktiengesellschaft		
(Name of Filing Persons (Offeror))		
Common Stock, Par Value \$0.01 Per Share		
(Title of Class of Securities)		
22943D105		
(CUSIP Number of Class of Securities)		

Kenneth R. Meyers, Esq.

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Siemens Corporation

153 East 53rd Street

New York, New York 10022

(212) 258-4797

(Name Address and Telephone Nu	umber of Persons Authorized	o Receive Notices
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and Communications on Behalf of filing persons)

Copy to:

Stephen M. Besen, Esq.

Shearman & Sterling LLP

599 Lexington Avenue

New York, New York 10022

(212) 848-4000

CALCULATION OF FILING FEE

Transaction Valuation		Amount of Filing Fee	
Not Appli	cable	Not Applicable	
" Check the box if any part of the f	1	a)(2) and identify the filing with which the offsetting fee was umber, or the Form or Schedule and the date of its filing.	
" Check the box if any part of the f	rious filing by registration statement n	, ,	

Check the appropriate boxes to designate any transactions to which the statement relates:

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Check the following box if the filing is a final amendment reporting the results of the tender offer: "
 amendment to Schedule 13D under Rule 13d-2.
 going-private transaction subject to Rule 13e-3.
 issuer tender offer subject to Rule 13e-4.
third-party tender offer subject to Rule 14d-1.

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EXHIBIT INDEX

No. 99.1 Press release dated March 18, 2005. 99.2 Frequently Asked Questions: Customers, available March 18, 2005. 99.3 Frequently Asked Questions: Employees, available March 18, 2005. 99.4 Frequently Asked Questions: Background for Press/Analysts, available March 18, 2005.