

U.S. DEPARTMENT OF COMMERCE Economics and Statistics Administration U.S. CENSUS BUREAU

FORM RD-1A (DRAFT)

## Mail your completed form to: **U.S. CENSUS BUREAU** 1201 East 10th Street Jeffersonville, IN 47132-0001

Please **read** the accompanying instructions before answering the

Need help or have questions about filling out this form?

Visit our Web site at www.census.gov/econhelp/rd To **speak** with an analyst, call 1-800-851-2014, option "0" between 8:00 a.m. and 5:00 p.m., Eastern

time, Monday through Friday. - OR -

Write to the address above, include your 11-digit Identification Number (ID) printed in the mailing address.

This survey is conducted jointly with the National Science Foundation.



OMB No. 0607-0912: Approval Expires 12/31/2007



(Please correct any errors in this mailing address.)

YOUR RESPONSE IS REQUIRED BY LAW. Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the U.S. Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by persons sworn to uphold the confidentiality of Census Bureau information and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process. You will satisfy the mandatory requirements for this survey if you answer 2, 3, and 5, line D, columns 1 and 3. Except as notice, this report should cover your entire consolidated domestic enterprise, including all U.S. subsidiaries. Reasonable estimates are acceptable.

## **RESEARCH AND DEVELOPMENT (R&D)**

R&D includes basic and applied research in the sciences and engineering. It also includes design and development of new products and processes and enhancement of existing products and processes.

R&D includes activities carried on by persons trained, either formally or by experience, in the physical sciences such as chemistry and physics, the biological sciences such as medicine, and engineering and computer science. R&D includes these activities if the purpose is to do one or more of the following things:

- 1. Pursue a planned search for new scientific **knowledge** or understanding that does not have specific immediate commercial objectives, although it may be in fields of present or potential commercial interest. (Basic research)
- 2. Apply the findings of basic research or other existing knowledge toward discovering new scientific knowledge that has specific commercial objectives, including work required to evaluate possible uses, with respect to new products, services, processes, or methods. (Applied research)

**3.** Systematically use the knowledge or understanding gained from research and practical experience in the production or significant improvement of products, services, processes, or methods, including the design and development of prototypes, materials, devices, and systems. (Development)

Research and development includes the activities described above whether assigned to separate R&D organizational units of the company or carried out by company laboratories and technical groups not part of an R&D organization. Reporting the R&D activities of such latter groups may require the use of estimates for some of your responses.

Activities to be **excluded** from R&D are as follows: research in social sciences or psychology, routine product testing, geological and geophysical exploration activities and technical services.

	See instructions for more detail.
1 Did your	r company conduct R&D in 2004? (Mark "X" only ONE box.)
201	Yes - Complete form, enter zeros where applicable, and return this form.
203	No - Either call TDE to report (1-800-851-2014) OR mark the 203 box and mail the form.
	NOTE - After reviewing <b>①</b> if you need further assistance please call 1-800-851-2014, option "0".

Form	RD-1A (DRAFT)								Page 2			
							2004	1	_			
	Dolla	ar figures should be	rounded to	thousand	ls of dollar	S. \$ Billions	Millions	Thousand	-			
		If a figure is	\$1,025,6	28.79: F	Report —	•	1	0 2	5			
2	What was the amount of your company's sales, shipments, operating receipts, or revenues, net of returns and allowances attributable to domestic operations in the 50 United States or D.C. during 2004? (EXCLUDE domestic intracompany transfers and sales by foreign subsidiaries. INCLUDE receipts for sales of products and services provided to other companies, individuals, U.S. Government agencies, and foreign countries.)											
3												
4	What was the number of full-t employed by your company a (See Instructions for the defining and engineers.)	s of January 1, 2005	?	_		-	ry 1, 2005 er of FTEs					
5	What was the cost of R&D per States and D.C. from each o	formed within your of the sources of fund	company <b>i</b> ling below	n the 50 l during 20	United 04?							
				I	<b>2004</b> (2)							
	A. Basic research (Activity toward the advancement of scientific knowledge	(1) Federal fund	(1) Federal funds			ther ids						
	without specific immediate commercial objectives.)	\$ Billions Millions	Thousands	\$ Billions	Millions	Thousands	\$ Billions	Millions	Thousands			
	Mark "X" if no	304		305			306		1 1			
	basic research 0135											
	B. Applied research (Activity directed primarily towards a specific commercial or practical objective.)											
	Mark "X" if no applied	314		315		1 1	316					
	research 0136			1 1				1 1	1 1			
	C. Development (Activity translating research into new or improved products services, or processes.)	324		325			326					
	Mark "X" if no			1 1					l l			
	development 0137 L <b>D. TOTAL</b> (Add lines A											
	through C.) Mark "X" if no	344		345			346					
	R&D 0138		1 1	1 1				1 1				

orm	RD-1A (DRAFT)									Page 3			
If not Num	t shown, please enter your ber (ID) from the mailing ad	11-digit lo Idress.	dentifica	tion									
6	f your company plans					2005							
t	o perform R&D during 2005, what is the estimated		(1)			(2)			(3)				
	projected cost?	F	ederal fund	ds		pany and c			Total funds				
	, <u>.</u>				_	nfederal fur			olumns 1 +	,			
(	Comparable to the 2004 (Gipure reported in <b>5</b> , line D.)	\$ Billions	Millions	Thousands	\$ Billions	Millions	Thousands	\$ Billions	Millions	Thousands			
		403			402			401					
	Mark "X" if no R&D is planned		1 1	1 1			1 1		1 1				
	for next year 0139												
7	f others outside your												
	company performed					2004							
I .	<b>R&amp;D</b> funded by you, what were the costs of the R&D		(1)			(2)			(3)				
ŗ	performed in the 50 United	F	ederal fund	ds.		pany and c		Total funds					
;	States and D.C. during 2004?					nfederal fur		Columns 1 + 2					
1	Mark "X" if	\$ Billions	Millions	Thousands	\$ Billions	Millions	Thousands	\$ Billions	Millions	Thousands			
	no R&D was	354			355			356					
	performed by others		1 1				1 1		1 1	1 1			
(	otners 0140 $\square$												
8	Not Applicable.												
9 1	f your company funded R&D p	performed	outside 1	the									
	50 United States and D.C. d the costs? (Please report costs	luring 2004	1, what we	ere				_					
l. l	by subsidiaries, affiliates, or ot	thers based	d on your			2004		_					
(	company's percentage of own entity that conducted the R&D.	ership, if a	ny, of the				pany and other Ifederal funds						
ĺ	based on voting stock or equiv	alent inter	rest.)		\$ Billions	Millions	Thousand	ds					
		Mark "X	" if None	0147	366		<u> </u>						
1	A. More than 50% ownership	(This cated	ory INCL	JDES		1 1							
	wholly owned subsidiaries	and location	ons.)										
					365								
ı	<b>B.</b> 10% to 50% ownership					1 1							
					364								
	C. More than 0% but less than	100/ 004/0	orobin										
•	. More than 0% but less than	1 10% OWII	ersnip .		363								
					303								
ı	<b>D.</b> 0% - No company ownersh	ip											
					369								
	E. TOTAL (Add lines A throug	ah D l			' '								
		<i>JII D.</i> /			•								
<b>10</b> -(	12 Not Applicable.												

For the total R&D you reported in    In Elimina    A. Biotechnology (The use of scientific and engineering data and techniques for the study and solution of problems concerning living organisms.]	
A. Biotechnology (The use of scientific and engineering data and techniques for the study and solution of problems concerning living organisms.)	
A. Biotechnology (The use of scientific and engineering data and techniques for the study and solution of problems concerning living organisms.)	
A. Biotechnology (The use of scientific and engineering data and techniques for the study and solution of problems concerning living organisms.)	
B. Software development (The formulation of programs, applications, routines, etc., for computers, excluding those used exclusively for internal company operations.)	
processing (The use of scientific and engineering data and techniques for the formulation and manipulation of new materials.)	
E. TOTAL (Add lines A through D. The sum should equal the total reported in , line D, column 3.) Mark "X" if None or	
D. The sum should equal the total reported in , line D, column 3.)	
2004, what percentage of the R&D costs reported in are attributable to nanotechnology for the following areas? (Nanotechnology is the creation and utilization of materials, devices, and systems sized at the level of atoms and molecules in the range of 1 to 100 nanometers.)  A. Biotechnology	
A. Biotechnology Mark A II None 01/7	
<b>B.</b> Software development <i>Mark "X" if None</i> 0178	
C. Materials synthesis and processing Mark "X" if None 0179	
<b>D.</b> All other R&D areas <i>Mark "X" if None</i> 0180	
15-17 Not Applicable.	



Form RD-	1A (DRA	FT) Page 5
If not sho Number (	own, pl (ID) fro	lease enter your 11-digit Identification m the mailing address.
<b>18 A.</b> Do st	oes this ubsidiar	s report cover your entire consolidated domestic enterprise, including all U.S. ries? (Mark "X" only ONE box.)
1	1301	Yes
1	1330	No - Please explain in 20.
B. W	/as this	company owned or controlled by another company on December 31, 2004?
(	001	Yes - Give date acquired at right AND enter new owner name and mailing address below 7
		6030 Name of new owner or operator
		acce Mailing adduces (Number and storet D.O. have star)
		6031 Mailing address (Number and street, P.O. box, etc.)
		6032 City, town, village, etc. 6033 State 6034 ZIP Code
		No
CHECK ITE	EM - Ple	ease complete the check list below BEFORE returning this form. By checking these items you will reduce the calling you to resolve an error or inconsistency.
_		eported in <b>thousands</b> of dollars?
		Yes
		No
In 3: Doe	s your	answer describe the number of <b>employees</b> , NOT company payroll?
		Yes
		No
In <b>6</b> : Doe for each o	s the <b>F</b> o	ederal funds (column 1) plus Company funds (column 2) equal Total funds (column 3) llowing rows?
Basic rese	arch ( <b>5</b>	A), applied research (SB), development (SC), total research and development (SD).
		Yes
		No
If the answ an explana	ver to a ation in	ny of the above checks is "No," please make the necessary corrections in the appropriate item(s) or provide



Form I	KD-1#	(DRA	AFT)												Page 6
<b>1</b> 9 F	Reporti	ng pe	eriod, locati	ion of reco	ords, and co	ontact i	informatio	n							
	A. Is th	e tin	ne period co	overed by	this report	a caler	ndar year?	г				_			
	0078		Yes					-	Mont 0070	h Y	ear		Mon 0071	th	Year
	0079		No - Enter	time peri	od covered		→ FR	ROM				T	o		
E	3. Are	all o	f your comp	pany's R&	D records a	nd dat	a in a cen	tral lo	catio	n?					
	0800		Yes			0086									
	0081		No - How	many loca	ntions? →										
	0085		Other - Ple	ease descr	ibe —	0087									
C	C. Did	more	than one <sub>l</sub>	person co	mpile the in	nforma	tion for th	is forr	n?						
	0082		Yes - How	many?—	•										
	0083		No					_			_				
r	(INC	CLUD	Ë time sper	nt for revie	o complete ewing instru	ıctions	, searching	g	h	nber of lours					
	exis nee	ting ded,	data source and comple	es, gatheri eting and	ng and mai reviewing tl	ntainin he coll	ng data ection of		0090						
0072	lame of	f pers	on to contac	t regarding	this report				0073	Γitle					
			Area code		Number		Extension	n				Area code		Nun	nber
Teleph	one	0074			-					Fax	0075			-	
0076 <b>I</b>	nternet	e-ma	il address										Month	Day	Year
										Da co	te mplete	d 0069			1 1 1
<b>3</b> 0 F	REMAR	KS (	Please use	this space	for any exp	olanati	ons that n	nay he	elp u	s in una	lerstan	nding your	reporte	ed data	.)

Thank you for completing your 2004 SURVEY OF INDUSTRIAL RESEARCH AND DEVELOPMENT form.

PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.