



R F D

(Results-Framework Document)

for

Department of Scientific and Industrial
Research

(2012-2013)

Section 1: Vision, Mission, Objectives and Functions

Vision

Enabling India to emerge as global industrial research and innovation hub

Mission

- Attracting industrial research in the country through industry and institution centric motivational measures and incentives;
- Creating an enabling environment for development and utilization of new innovations.
- Enhance innovations through its resources and channelize benefits thereof to the people.

Objective

- 1 To promote and nurture research and development in industry with a view to enhance industry's share in national R&D expenditure
- 2 To promote innovations through its resources and channelize benefits for public good
- 3 To promote and support industry including start-ups for development of new products, processes and technologies leading to industrial competitiveness
- 4 To encourage the spirit of creativity and innovativeness in individuals and scientist entrepreneurs
- 5 To promote and support Cluster Innovation Centres in MSME Cluster initiated by National Innovation Council
- 6 To provide technology based support for programmes aimed at benefitting women
- 7 To prepare a roadmap for Sectoral Innovation Council on Industrial R&D
- 8 To track scientific innovations in the country
- 9 To assess the outcome of major technologies of national importance, developed by CSIR on a continuous basis
- 10 Capacity building of Asia Pacific region through Asian & Pacific Centre for Transfer of Technology (UN ESCAP-APCTT)
- 11 To implement e-Governance and ERP initiatives

Functions

- 1 All matters concerning the Council of Scientific & Industrial Research
- 2 All matters relating to National Research Development Corporation
- 3 All matters relating to Central Electronics Limited

Section 1: Vision, Mission, Objectives and Functions

- 4 Registration and Recognition of R&D Units
- 5 Technical matters relating to UNCTAD & WIPO
- 6 National register for foreign collaborations
- 7 Matters relating to creation of a pool for temporary placement of Indian Scientists & Technologists

Section 2: Inter se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent 100%	Very Good 90%	Good 80%	Fair 70%	Poor 60%
[1] To promote and nurture research and development in industry with a view to enhance industry's share in national R&D expenditure;	28.00	[1.1] Recognition and renewal of R&D Centres	[1.1.1] Recognition & registration to new in-house R&D units; Scientific & Industrial Research Organisations (SIROs); and Public Funded Research Institutions (PFRIs)	Nos.	5.88	250	240	230	225	220
			[1.1.2] Renewal of recognition & registration to in-house R&D units; SIROs; PFRIs	Nos.	3.08	780	775	725	700	675
			[1.2.1] Approving new companies for availing fiscal benefits	Nos.	8.96	70	67	64	60	58
			[1.3.1] New patents filed	Nos.	1.96	28	25	22	20	18
		[1.2] Fiscal incentives for Scientific Research	[1.3.2] New products commercialized	Nos.	1.96	12	10	8	7	6
			[1.4.1] No. of scientific journals accessed online	Nos.	3.08	5	4	3	2	1
		[1.3] Assessment of R&D and Innovation output of industry	[1.4.2] No. of In-house R&D units and SIROs having online access to scientific journals	Nos.	3.08	30	25	22	20	18
			[2.1.1] Launching of the Scheme	Date	4.20	30/09/2012	07/10/2012	15/10/2012	22/10/2012	30/10/2012
		[1.4] Online access to scientific journals by in-house R&D units and SIROs								
[2] To promote innovations through its resources and channelize benefits for public good;	28.00	To launch new scheme on "Promoting Innovations in Individuals, Start-ups and MSMEs" (PRISM)								

Section 2:
Inter se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent 100%	Very Good 90%	Good 80%	Fair 70%	Poor 60%
		and finalize its guidelines								
			[2.1.2] Issuance of scheme guidelines	Date	2.80	30/10/2012	07/11/2012	14/11/2012	21/11/2012	28/11/2012
		[2.2] To launch new scheme on "Patent Acquisition and Collaborative Research and Technology Development" (PACE) and finalize its guidelines	[2.2.1] Launching of the Scheme	Date	4.20	30/09/2012	07/10/2012	15/10/2012	22/10/2012	30/10/2012
			[2.2.2] Issuance of scheme guidelines	Date	2.80	30/10/2012	07/11/2012	14/11/2012	21/11/2012	28/11/2012
		[2.3] To launch new scheme on "Building Industrial R&D and Common Research Facilities" (BIRD) and finalize its guidelines	[2.3.1] Launching of the Scheme	Date	4.20	30/09/2012	07/10/2012	15/10/2012	22/10/2012	30/10/2012
			[2.3.2] Issuance of scheme guidelines	Date	2.80	30/10/2012	07/11/2012	14/11/2012	21/11/2012	28/11/2012
[3] To promote and support industry including start-ups for development of new products, processes and technologies leading to industrial competitiveness;	5.00	[2.4] To launch new scheme on "Access to Knowledge for Technology Development and Dissemination" (A2K+) and finalize its guidelines	[2.4.1] Launching of the Scheme	Date	4.20	30/09/2012	07/10/2012	15/10/2012	22/10/2012	29/10/2012
			[2.4.2] Issuance of scheme guidelines	Date	2.80	30/10/2012	07/11/2012	14/11/2012	21/11/2012	28/11/2012
		[3.1] Completion of on-going Technology Development and Demonstration Programme (TDDP)	[3.1.1] Product Prototype / Process developed and demonstrated	Nos.	4.00	9	8	7	6	5

Section 2: Inter se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent 100%	Very Good 90%	Good 80%	Fair 70%	Poor 60%
[4] To encourage the spirit of creativity and innovativeness in individuals and scientist entrepreneurs;	5.00	projects								
		[3.2] Independent evaluation of Technology Development and Demonstration Programme (TDDP)	[3.2.1] Submission of evaluation report to the department	Date	1.00	10/03/2013	14/03/2013	18/03/2013	22/03/2013	25/03/2013
		[4.1] Completion of on-going Technopreneur Promotion Programme (TePP) projects	[4.1.1] Product Prototype / Process demonstrated	Nos.	4.00	42	40	38	35	32
[5] To promote and support Cluster Innovation Centres in MSME Cluster initiated by National Innovation Council;	7.00	[4.2] Independent evaluation of Technopreneur Promotion Programme (TePP)	[4.2.1] Submission of evaluation report to the department	Date	1.00	10/03/2013	14/03/2013	18/03/2013	22/03/2013	25/03/2013
		[5.1] To support proposals for establishment of new Cluster Innovation Centres in MSME Clusters in association with National Innovation Council (NInC)	[5.1.1] Support to Training Programmes in the clusters	Nos.	3.50	18	16	14	12	10
			[5.1.2] Support to Innovative proposals of MSMEs from the clusters	Nos.	3.50	25	22	20	18	15
[6] To provide technology based support for programmes aimed at benefiting women;	2.00	[6.1] Support proposals from a Non-Governmental Organisations (NGOs), Women Self-Help Groups (SHGs) and other concerned agencies	[6.1.1] Number of agencies supported	Nos.	2.00	9	8	6	4	3
		[7.1] To organize stakeholder meetings for seeking inputs	[7.1.1] Compilation of stakeholder inputs into a roadmap	Date	2.00	07/03/2013	10/03/2013	14/03/2013	17/03/2013	20/03/2013
[7] To prepare a roadmap for Sectoral Innovation Council on Industrial R&D;	2.00									

Section 2: Inter se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent 100%	Very Good 90%	Good 80%	Fair 70%	Poor 60%
[8] To track scientific innovations in the country;	2.00	[8.1] Creation of a Scientific Innovations Database	[8.1.1] Finalization of database structure and sources of information	Date	1.00	15/09/2012	18/09/2012	21/09/2012	24/09/2012	27/09/2012
			[8.1.2] Scientific innovations added in the database	Nos.	1.00	120	115	110	105	100
[9] To assess the outcome of major technologies of national importance, developed by CSIR on a continuous basis;	2.00	[9.1] To carry out an economic impact assessment of major technologies of national importance, developed by CSIR	[9.1.1] Identification of technologies of national importance, developed by CSIR	Nos.	1.00	6	5	4	3	2
			[9.1.2] Preparation of technology impact assessment reports	Nos.	1.00	6	5	4	3	2
[10] Capacity building of Asia Pacific region through Asian & Pacific Centre for Transfer of Technology (UN ESCAP-APCTT);	2.00	[10.1] To provide infrastructural and programme support	[10.1.1] Provision of Institutional support	Date	1.00	31/12/2012	15/01/2013	31/01/2013	07/02/2013	14/02/2013
			[10.1.2] Programme activities supported	Nos.	1.00	2	1	1	1	1
[11] To implement e-Governance and ERP initiatives;	2.00	[11.1] Design, Development, Validation and Certification of Enterprise Resource Planning (ERP) solution for e-Office as well as for department's external interface	[11.1.1] User Acceptance of the e-Office and ERP package	Date	2.00	15/12/2012	31/12/2012	15/01/2013	31/01/2013	28/02/2013
* Efficient Functioning of the RFD System	3.00	Timely submission of Draft for Approval	On-time submission	Date	2.0	05/03/2012	06/03/2012	07/03/2012	08/03/2012	09/03/2012

* Mandatory Objective(s)

Section 2: Inter se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent 100%	Very Good 90%	Good 80%	Fair 70%	Poor 60%
* Administrative Reforms	6.00	Timely submission of Results	On- time submission	Date	1.0	01/05/2012	03/05/2012	04/05/2012	05/05/2012	06/05/2012
		Implement mitigating strategies for reducing potential risk of corruption	% of implementation	%	2.0	100	95	90	85	80
		Implement ISO 9001 as per the approved action plan	Area of operations covered	%	2.0	100	95	90	85	80
* Improving Internal Efficiency / responsiveness / service delivery of Ministry / Department	4.00	Identify, design and implement major innovations	Implementation of identified innovations	Date	2.0	05/03/2013	06/03/2013	07/03/2013	08/03/2013	09/03/2013
		Implementation of Sevottam	Independent Audit of Implementation of Citizen's Charter	%	2.0	100	95	90	85	80
			Independent Audit of implementation of public grievance redressal system	%	2.0	100	95	90	85	80
* Ensuring compliance to the Financial Accountability Framework	2.00	Timely submission of ATNs on Audit paras of C&AG	Percentage of ATNs submitted within due date (4 months) from date of presentation of Report to Parliament by CAG during the year.	%	0.5	100	90	80	70	60
		Timely submission of ATRs to the PAC Sectt. on PAC Reports.	Percentage of ATRs submitted within due date (6 months) from date of presentation of Report to Parliament by PAC during the year.	%	0.5	100	90	80	70	60
		Early disposal of pending ATNs on Audit Paras of C&AG Reports presented to Parliament before 31.3.2012.	Percentage of outstanding ATNs disposed off during the year.	%	0.5	100	90	80	70	60
* Mandatory Objective(s)		Early disposal of pending ATRs on PAC Reports presented to Parliament before 31.3.2012	Percentage of outstanding ATRs disposed off during the year.	%	0.5	100	90	80	70	60

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value FY 10/11	Actual Value FY 11/12	Target Value FY 12/13	Projected Value for FY 13/14	Projected Value for FY 14/15
[1] To promote and nurture research and development in industry with a view to enhance industry's share in national R&D expenditure;	[1.1] Recognition and renewal of R&D Centres	[1.1.1] Recognition & registration to new in-house R&D units; Scientific & Industrial Research Organisations (SIROs); and Public Funded Research Institutions (PFRIs)	Nos.	200	220	240	245	250
		[1.1.2] Renewal of recognition & registration to in-house R&D units; SIROs; PFRIs	Nos.	625	720	775	785	800
	[1.2] Fiscal incentives for Scientific Research	[1.2.1] Approving new companies for availing fiscal benefits	Nos.	63	72	67	70	80
	[1.3] Assessment of R&D and Innovation output of industry	[1.3.1] New patents filed	Nos.	--	--	25	30	35
	[1.4] Online access to scientific journals by In-house R&D units and SIROs	[1.3.2] New products commercialized	Nos.	--	--	10	12	14
		[1.4.1] No. of scientific journals accessed online	Nos.	--	--	4	5	6
		[1.4.2] No. of In-house R&D units and SIROs having online access to scientific journals	Nos.	--	--	25	40	60
[2] To promote innovations through its resources and channelize benefits for public good;	[2.1] To launch new scheme on "Promoting Innovations in Individuals, Start-ups and MSMEs" (PRISM) and finalize its	[2.1.1] Launching of the Scheme	Date	--	--	07/10/2012	--	--

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value FY 10/11	Actual Value FY 11/12	Target Value FY 12/13	Projected Value for FY 13/14	Projected Value for FY 14/15
	guidelines	[2.1.2] Issuance of scheme guidelines	Date	--	--	07/11/2012	--	--
		[2.2.1] Launching of the Scheme	Date	--	--	07/10/2012	--	--
	[2.2] To launch new scheme on "Patent Acquisition and Collaborative Research and Technology Development" (PACE) and finalize its guidelines	[2.2.2] Issuance of scheme guidelines	Date	--	--	07/11/2012	--	--
		[2.3.1] Launching of the Scheme	Date	--	--	07/10/2012	--	--
	[2.3] To launch new scheme on "Building Industrial R&D and Common Research Facilities" (BIRD) and finalize its guidelines	[2.3.2] Issuance of scheme guidelines	Date	--	--	07/11/2012	--	--
		[2.4.1] Launching of the Scheme	Date	--	--	07/10/2012	--	--
[3] To promote and support industry including start-ups for development of new products, processes and technologies leading to industrial competitiveness;	[2.4] To launch new scheme on "Access to Knowledge for Technology Development and Dissemination" (A2K+) and finalize its guidelines	[2.4.2] Issuance of scheme guidelines	Date	--	--	07/11/2012	--	--
		[3.1.1] Product Prototype / Process developed and demonstrated	Nos.	6	3	8	10	12
	[3.1] Completion of on-going Technology Development Programme (TDDP) projects							

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value FY 10/11	Actual Value FY 11/12	Target Value FY 12/13	Projected Value for FY 13/14	Projected Value for FY 14/15
[4] To encourage the spirit of creativity and innovativeness in individuals and scientist entrepreneurs;	[3.2] Independent evaluation of Technology Development and Demonstration Programme (TDDP)	[3.2.1] Submission of evaluation report to the department	Date	--	--	14/03/2013	--	--
	[4.1] Completion of on-going Technopreneur Promotion Programme (TePP) projects	[4.1.1] Product Prototype / Process demonstrated	Nos.	32	37	40	42	45
	[4.2] Independent evaluation of Technopreneur Promotion Programme (TePP)	[4.2.1] Submission of evaluation report to the department	Date	--	--	14/03/2013	--	--
[5] To promote and support Cluster Innovation Centres in MSME Cluster initiated by National Innovation Council;	[5.1] To support proposals for establishment of new Cluster Innovation Centres in MSME Clusters in association with National Innovation Council (NinC)	[5.1.1] Support to Training Programmes in the clusters	Nos.	--	--	16	20	25
		[5.1.2] Support to Innovative proposals of MSMEs from the clusters	Nos.	--	--	22	35	50
[6] To provide technology based support for programmes aimed at benefiting women;	[6.1] Support proposals from a Non-Governmental Organisations (NGOs), Women Self-Help Groups (SHGs) and other concerned agencies	[6.1.1] Number of agencies supported	Nos.	8	8	8	8	9

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value FY 10/11	Actual Value FY 11/12	Target Value FY 12/13	Projected Value for FY 13/14	Projected Value for FY 14/15
[7] To prepare a roadmap for Sectoral Innovation Council on Industrial R&D;	[7.1] To organize stakeholder meetings for seeking inputs	[7.1.1] Compilation of stakeholder inputs into a roadmap	Date	--	--	10/03/2013	--	--
[8] To track scientific innovations in the country;	[8.1] Creation of a Scientific Innovations Database	[8.1.1] Finalization of database structure and sources of information	Date	--	--	18/09/2012	--	--
		[8.1.2] Scientific innovations added in the database	Nos.	--	--	115	--	--
[9] To assess the outcome of major technologies of national importance, developed by CSIR on a continuous basis;	[9.1] To carry out an economic impact assessment of major technologies of national importance, developed by CSIR	[9.1.1] Identification of technologies of national importance, developed by CSIR	Nos.	--	--	5	5	5
		[9.1.2] Preparation of technology impact assessment reports	Nos.	--	--	5	5	5
[10] Capacity building of Asia Pacific region through Asian & Pacific Centre for Transfer of Technology (UN ESCAP-APCTT);	[10.1] To provide infrastructural and programme support	[10.1.1] Provision of Institutional support	Date	3	--	15/01/2013	15/01/2014	15/01/2015
		[10.1.2] Programme activities supported	Nos.	--	--	1	1	1
[11] To implement e-Governance and ERP initiatives;	[11.1] Design, Development, Validation and Certification of Enterprise Resource Planning (ERP) solution for e-Office as well as for department's external interface	[11.1.1] User Acceptance of the e-Office and ERP package	Date	--	--	31/12/2012	--	--

* Mandatory Objective(s)

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value FY 10/11	Actual Value FY 11/12	Target Value FY 12/13	Projected Value for FY 13/14	Projected Value for FY 14/15
* Efficient Functioning of the RFD System	Timely submission of Draft for Approval	On-time submission	Date	05/03/2010	07/03/2011	06/03/2012	--	--
	Timely submission of Results	On- time submission	Date	29/04/2011	30/04/2012	03/05/2012	--	--
* Administrative Reforms	Implement mitigating strategies for reducing potential risk of corruption	% of implementation	%	--	--	95	--	--
	Implement ISO 9001 as per the approved action plan	Area of operations covered	%	--	--	95	--	--
	Identify, design and implement major innovations	Implementation of identified innovations	Date	--	--	06/03/2013	--	--
* Improving Internal Efficiency / responsiveness / service delivery of Ministry / Department	Implementation of Sevottam	Independent Audit of Implementation of Citizen's Charter	%	--	--	95	--	--
		Independent Audit of implementation of public grievance redressal system	%	--	--	95	--	--
	Timely submission of ATNs on Audit paras of C&AG	Percentage of ATNs submitted within due date (4 months) from date of presentation of Report to Parliament by CAG during the year.	%	--	--	90	--	--
* Ensuring compliance to the Financial Accountability Framework	Timely submission of ATRs to the PAC Sectt. on PAC Reports.	Percentage of ATRs submitted within due date (6 months) from date of presentation of Report to Parliament by PAC during the year.	%	--	--	90	--	--
	Early disposal of pending ATNs on Audit Paras of C&AG Reports presented to Parliament before	Percentage of outstanding ATNs disposed off during the year.	%	--	--	90	--	--
* Mandatory Objective(s)								

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value FY 10/11	Actual Value FY 11/12	Target Value FY 12/13	Projected Value for FY 13/14	Projected Value for FY 14/15
	31.3.2012.							
	Early disposal of pending ATRs on PAC Reports presented to Parliament before 31.3.2012	Percentage of outstanding ATRs disposed off during the year.	%	--	--	90	--	--

* Mandatory Objective(s)

Section 4:

Description and Definition of Success Indicators and Proposed Measurement Methodology

Success Indicators	Actions	Description and Definition	Measurement Methodology
Objective 1			
To promote and nurture research and development in industry with a view to enhance industry's share in national R&D expenditure	Recognition and renewal of R&D Centres	Applications for In-house R&D are scrutinized in the department and those recommended by the Screening Committee are approved by the Competent authority for recognition / registration. Similarly applications for renewal of recognition are scrutinized in the department and approved by the competent authority.	The number of new in-house R&D centres, SIROs and PFRIs recognized / registered or the recognition renewed
	Fiscal incentives for Scientific Research	As per Income Tax Act, Secretary, DSIR is the prescribed authority for approval of companies for claiming weighted deduction on R&D expenditure. The department reports the expenditure eligible for weighted tax deduction to DGIT (E).	The number of companies eligible for weighted tax deduction notified to DGIT (E).
	Assessment of R&D and Innovation output of industry	Evaluation and assessment of R&D being carried out in industrial units.	Number of new patents filed and value of new products commercialized by industrial units during the year.

Section 4:

Description and Definition of Success Indicators and Proposed Measurement Methodology

Success Indicators	Actions	Description and Definition	Measurement Methodology
	Online Access to scientific journals by In-house R&D units and SIROs	The scientific journals shall be made available to the In-house R&D units and SIROs online at subsidized cost so that the concerned institutions can enhance their knowledge and research activities	No. of In-house R&D units and SIROs accessing scientific journals shall be tracked at the time of granting / renewing recognition. Quality of research of the institutions shall be assessed by papers published, patents granted and technologies commercialized.
Objective 2			
To promote innovations through its resources and channelize benefits for public good.	To launch new scheme on "Promoting Innovations in Individuals, Start-ups and MSMEs" (PRISM) and finalize its guidelines	Under the scheme, innovative proposals of MSMEs shall be supported; CSIR –Cluster Innovation Centres (CICs) promoted by National Innovation Council shall be supported for providing innovative solutions; existing network of TePP Outreach Centres shall be expanded; proposals from individual innovators / incubates shall be supported; and support shall be extended to approved Technopreneur Promotion Programme (TePP) projects, spilling over from the 11th five year plan.	Periodic monitoring of various stages of approval and internal discussions on draft guidelines.

Section 4:

Description and Definition of Success Indicators and Proposed Measurement Methodology

Success Indicators	Actions	Description and Definition	Measurement Methodology
	To launch new scheme on “Patent Acquisition and Collaborative Research and Technology Development” (PACE) and finalize its guidelines	Under the scheme, support shall be provided to Indian industries to acquire Intellectual Property at early stage from overseas or within the country and add value to the acquired IP; and focus shall be on Public-Private-Partnerships (PPP) to create enabling environment for collaborative research between Industry and Universities/Public Funded Research Institutions.	Periodic monitoring of various stages of approval and internal discussions on draft guidelines.
	To launch new scheme on “Building Industrial R&D and Common Research Facilities” (BIRD) and finalize its guidelines	Under the scheme, R&D in Industry shall be encouraged and supported; and support shall be provided for creation of Common Research Facilities for Small and Micro Industries.	Periodic monitoring of various stages of approval and internal discussions on draft guidelines.
	To launch new scheme on “Access to Knowledge for Technology Development and Dissemination” (A2K+) and finalize its guidelines	Under the scheme, Science, technology and innovation related international journals from major publishers shall be made accessible to 1500 in-house R&D units of industry and 600 Scientific & Industrial Research Organisations (SIROs) and techno-entrepreneurs, besides	Periodic monitoring of various stages of approval and internal discussions on draft guidelines.

Section 4:

Description and Definition of Success Indicators and Proposed Measurement Methodology

Success Indicators	Actions	Description and Definition	Measurement Methodology
		conducting studies/ conferences on Industrial Status in the country; support shall be provided for Technological Empowerment of Women projects, including projects spilling over from the 11th five year plan; and support shall be extended to Technology Development and Demonstration Programme (TDDP) projects, spilling over from the 11th five year plan.	
Objective 3			
To promote and support industry including start-ups for development of new products, processes and technologies leading to industrial competitiveness;	Completion of on-going Technology Development and Demonstration Programme (TDDP) projects	Projects only with innovative technological content are supported from the proof of concept / laboratory stage upto the pilot plant stage, Demonstrating the commercialization potential of the product / process developed.	Out of the total number of projects supported, projects that result into commercialization are measured which indicates the outcome.
	Independent evaluation of Technology Development and Demonstration Programme (TDDP)	Technology Development and Demonstration Programme (TDDP) was continued in the 11th Five Year Plan with an objective to assist industries in upscaling	Periodic meetings with the agency engaged for carrying out the independent evaluation shall be held to identify the evaluation criteria and accept the report.

Section 4:

Description and Definition of Success Indicators and Proposed Measurement Methodology

Success Indicators	Actions	Description and Definition	Measurement Methodology
		of the lab scale technologies upto pilot plant level before commercialization. Industries were required to pay back the grant received by them upon successful commercialization of the products / processes developed. The programme is being discontinued in the 12th Five Year Plan its present form. Experiences of the department in running the programme and its outcome shall be evaluated by an external agency.	
Objective 4			
To encourage the spirit of creativity and innovativeness in individuals and scientist entrepreneurs;	Completion of on-going Technopreneur Promotion Programme (TePP) projects	Creative individuals are supported to convert their innovative ideas into prototypes / models.	Out of the total number of projects supported, products / prototypes and models developed indicate the outcome.
	Independent evaluation of Technopreneur Promotion Programme (TePP)	Technopreneur Promotion Programme (TePP) was continued in the 11th Five Year Plan with an objective to assist individual innovators in conversion of their innovative ideas into workable prototypes / models. The programme is being discontinued in the 12th Five Year	Periodic meetings with the agency engaged for carrying out the independent evaluation shall be held to identify the evaluation criteria and accept the report.

Section 4:

Description and Definition of Success Indicators and Proposed Measurement Methodology

Success Indicators	Actions	Description and Definition	Measurement Methodology
		Plan its present form. Experiences of the department in running the programme and its outcome shall be evaluated by an external agency.	
Objective 5			
To promote and support Cluster Innovation Centres in MSME Cluster initiated by National Innovation Council;	To support proposals for establishment of new Cluster Innovation Centres in MSME Clusters in association with National Innovation Council (NInC)	NInC and CSIR have entered into an MoU wherein innovations in about 150 clusters shall be supported. DSIR is already supporting 7 pilot clusters initiated by the National Innovation Council (NInC) viz. Bamboo Cluster at Agarthala, Pharma Cluster at Ahmedabad, Food Processing Cluster at Krishnagiri, Brassware Cluster at Moradabad, Auto-component clusters at Faridabad, Ayurveda Cluster at Thrissur and Delhi University Cluster at New Delhi. DSIR shall provide the partial support for: Establishment of the other Cluster Innovation Centres (CICs); organization of training programmes in clusters; and innovative proposals of MSMEs in clusters.	In collaboration with NInC, no. of new Cluster Innovation Centres shall be identified, training programmes shall be organized in association with agencies such as CII, IL&FS, TCS etc. and innovative proposals shall be solicited by engaging CSIR scientists with MSMEs in the clusters.
Objective 6			

Section 4:

Description and Definition of Success Indicators and Proposed Measurement Methodology

Success Indicators	Actions	Description and Definition	Measurement Methodology
To provide technology based support for programmes aimed at benefitting women;	Support proposals from a Non-Governmental Organisations (NGOs), Women Self-Help Groups (SHGs) and other concerned agencies	Inviting projects from NGOs and other organizations aimed at evolving technological solutions for the benefit of women.	The numbers of projects approved are the ones recommended by Technical Advisory Committee (TAC) and concurred by IFD.
Objective 7			
To prepare a roadmap for Sectoral Innovation Council on Industrial R&D	To organize Stakeholder meetings for seeking inputs	Sectoral Innovation Council on Industrial R&D was setup last year. Preparation of a roadmap to achieve the objectives and deliverables of Sectoral Innovation Council is proposed during the year.	Sectoral Innovation Council will hold periodic meetings with various stakeholders to obtain inputs and suggestions for formulation of an effective roadmap that will clearly identify the roles of each stakeholder.
Objective 8			
To track scientific innovations in the country	Creation of a Scientific Innovations Database	Scientific Innovations Database shall include parameters such as title, source, description, utility, commercialization details and impact of innovations. The sources for compilation of innovations shall include the patent database, National Innovation Foundations' Grass-root Innovations, Technology Business Incubators, Science & Technology	The innovations compiled from various sources shall be assessed by an expert committee before uploading the same on the database. The committee shall also study and benchmark the proposed database with similar innovation databases existing elsewhere.

Section 4:

Description and Definition of Success Indicators and Proposed Measurement Methodology

Success Indicators	Actions	Description and Definition	Measurement Methodology
		Entrepreneurship Parks, Innovation awards given by various agencies and the various programmes of the Govt. of India leading to innovative products / services.	
Objective 9			
To assess the outcome of major technologies of national importance, developed by CSIR on a continuous basis	To carry out an economic impact assessment of major technologies of national importance, developed by CSIR	CSIR is engaged in development of several technologies having useful industrial applications. Some of these technologies are of national importance, having direct benefit to the laboratories and industries who commercialize these technologies as well as indirect benefits to the economy and society by way of access to affordable health, pollution free environment and fulfillment of their basic needs.	The direct benefits of major CSIR technologies shall be assessed in terms of royalty to the laboratories and commercial profits of the industry. Indirect benefits to economy and society shall be assessed by evaluating the costs of accessing alternate products / services by the people, in absence of products / processes based on CSIR technologies.
Objective 10			
Capacity Building of Asia Pacific region through Asian and the Pacific Centre for Transfer of Technology (UN ESCAP-APCTT).	To provide infrastructural and programme support	DSIR is the country's focal point for United Nations Economic and Social Commission for Asian and the Pacific Centre for Transfer of Technology (UN ESCAP-APCTT). The department provides institutional grant and programme support.	Number of programmes / activities supported in a year are measured

Section 4:

Description and Definition of Success Indicators and Proposed Measurement Methodology

Success Indicators	Actions	Description and Definition	Measurement Methodology
		UN ESCAP decides the programmes to be carried out by APCTT.	
Objective 11			
To implement e-Governance and ERP initiatives.	Design, Development, Validation and Certification of Enterprise Resource Planning (ERP) solution for e-Office as well as for department's external interface	System Study, Requirement specification, Process, Information Architectures, and Development of ERP, Graphical User Interface (GUI) Validation, User Acceptance Test (UAT) and Certification	Validation, Successful User Acceptance Test (UAT), Functional Testing, Alpha Testing and certification.

Section 5:

Specific Performance Requirements from other Departments

Department	Relevant Success Indicator	What do you need?	Why do you need?	How much you need?	What happens if you do not get it?
Relevant scientific departments e.g. DST, DBT, Ministry of Environment and Forests, Ministry of New and Renewable Energy, Department of Information Technology, etc.	Approval of fresh projects for funding	Peer review of fresh proposals	To assist the Technical Advisory Committee (TAC) of the Department in recommendation of the projects	This is an essential requirement for recommendation of proposals by TAC	Approval of fresh projects will be affected if peer review comments not received. However, Department will have to follow up telephonically/ through SMS etc.
Relevant scientific departments e.g. DBT, Department of Information Technology, Department of Pharmaceuticals, Department of Chemicals & Petrochemicals, Department of Agriculture, ICMR, ICAR, etc.	Recognition of new In-house R&D units, SIROs and PFRI	Comments and views on the applications received for recognition	The views of Administrative Ministry are taken into consideration before recognition	To take care of any untoward experience of other departments in respect of any In-house R&D unit, SIRO or PFRI	Absence of comments may hold up recognitions. However, Department will have to follow up telephonically/ through SMS etc.
Department of Revenue, Ministry of Finance	Approval of new cases for Income tax Deduction / benefits on R&D investments	Long term policy on fiscal incentives for scientific research required	For efficient implementation of fiscal incentives by DSIR	Sufficiently long term policy of 10-15 years duration required	If the incentives are announced or withdrawn frequently, industry response to R&D diminishes. However, department encourages industry for R&D through other mechanisms.

Section 5:

Specific Performance Requirements from other Departments

Department	Relevant Success Indicator	What do you need?	Why do you need?	How much you need?	What happens if you do not get it?
National Innovation Council and Ministry of MSME	To promote and support Cluster Innovation Centres in MSME Cluster initiated by National Innovation Council;	Cluster Proposals as per departmental guidelines	To seek approval of competitive authority and extend support to the clusters	Adequate No. of cluster proposals so as assist in establishment of the targeted no. of clusters for the year.	Targeted number of clusters may not be supported in absence of proposals. However, the department shall maintain a close liaison with NInC to obtain proposals.

Section 6: Outcome/Impact of Department/Ministry

Outcome/Impact of Department/Ministry	Jointly responsible for influencing this outcome / impact with the following department (s) / ministry(ies)	Success Indicator	Unit	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15
1 Increased R&D spend by industry	Director General of Income Tax (E)	R&D expenditure certified u/s. 35(2AB) of Income Tax	Rs. in Crore	3200	3500	3800	4000	4200
2 Enhanced innovative output of industry	Industry	No. of Innovative products / processes successfully demonstrated	Nos.	6	3	8	10	12
3 Nurturing innovative potential of individuals	TePP Outreach Centres	No. of innovations demonstrated by individuals	Nos.	32	37	40	42	45
4 Enhanced the competitiveness of MSME Clusters	National Innovation Council (NinC) and Ministry of MSME	No. of innovative proposals from MSME Clusters	Nos.			22	35	50