



R F D

Results Framework Document
for
Department of Scientific and Industrial
Research

(2010-2011)

Section 1: Vision, Mission, Objectives and Functions

Vision

Enabling Indian industry to reach state-of-the-art innovation excellence and competitiveness through research and technological interventions.

Mission

- Promotion of research in industry and institutions through motivational measures and incentives.
- Providing support and creating an enabling environment for development and utilization of new and innovative technologies.

Objectives

- 1 To promote & nurture research and development in industry.
- 2 Promotion and support for development of new and innovative products, processes and technologies and for improving industrial competitiveness.
- 3 Promoting technology evaluation,utilization and linkages with relevant agencies to improve efficiency.
- 4 Implementing flagship programmes in the department.
- 5 e-Governance Initiatives.
- 6 Preparation of a Strategic action plan for next five years.

Functions

- 1 To enhance industry's share in national R&D expenditure
- 2 Recognition of in-house R&D units of industry and Scientific and Industrial Research Organizations (SIROs)
- 3 Implementation of fiscal incentives to industry
- 4 To promote and support industry for development of new products, processes and technologies
- 5 To support early stage technology based start-ups for enabling them to attract venture capital funding
- 6 To encourage the spirit of creativity and innovativeness in individuals and scientist entrepreneurs
- 7 Technological empowerment of women
- 8 Capacity building of Asia Pacific region through Asian & Pacific Centre for Transfer of Technology (UN ESCAP-APCTT)
- 9 Implementation of e-Governance initiatives for increased efficiency
- 10 Promotion of Citizen's Charter and creation of a Sevottam compliant system

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

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value					
						Excellent	VeryGood	Good	Fair	Poor	
						100%	90%	80%	70%	60%	
1 To promote & nurture research and development in industry.	34.00	Promotional & motivational Measures. >Note: Projected values in section 3 indicate approvals as against the total number of applications processed, given in previous RFD Renewal numbers indicate actual number of units due for renewal (Reason for low target for FY 10/11).	Recognition & registration to new in-house R&D units; Scientific & Industrial Research Organisations (SIROs); Public Funded Research Institutions (PFRIs)	Nos.	9.71	200	190	170	150	140	
			Renewal of recognition & registration to in-house R&D units; SIROs; PFRIs	Nos.	7.77	625	620	600	580	570	
			Reducing duration in processing of recognition from baseline value of 112 days (16 weeks)	Target duration	Days	1.94	105	106	108	110	112
			Fiscal incentives for Scientific Research	Approving new companies for availing fiscal benefits	Nos.	7.77	63	60	50	40	30
			Measuring R&D expenditure of Companies availing fiscal benefits	Percentage increase in 3 years running average of R&D expenditure of approved companies	%	1.94	5	4	3	2	1
			Evolving norms for capturing output indicators of in-house R&D units, SIROs and PFRIs	Timely evolution of norms	Date	4.86	01/03/2011	07/03/2011	14/03/2011	21/03/2011	28/03/2011
2 Promotion and support for development of new and innovative products, processes and technologies and for improving industrial competitiveness.	29.00	Technical and partial financial support to industrial R&D and technology development & demonstration projects through Technology Development and Demonstration Programme (TDDP). >Note: Projected values in section 3 indicate only the commercialisable products/processes developed as against the total number of programmes completed, given in previous	Approval of fresh projects	Nos.	6.77	32	30	25	20	15	

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Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	VeryGood	Good	Fair	Poor
						100%	90%	80%	70%	60%
		RFD.								
		Product prototype or process developed & demonstrated		Nos.	6.77	6	5	4	3	2
		Support to individuals for conversion of science based innovative ideas into workable prototypes/processes through Technopreneur Promotion Programme (TePP)	Approval of fresh projects	Nos.	6.77	100	90	80	70	60
		Product prototype or process demonstrated		Nos.	6.77	32	30	27	24	21
		Reducing duration in processing of applications from baseline value of 188 days (24 weeks)	Target duration	Days	1.94	178	180	183	186	188
3 Promoting technology evaluation,utilization and linkages with relevant agencies to improve efficiency.	15.00	Support to programmes and studies to understand the impact of emerging technological issues and to facilitate use of technology by industry and institutions. >Note: Target/Projected values for FY 8/9, 9/10 & 10/11 in section 3, showing a downward trend because only ongoing projects were taken up for completion. Projected value for FY11/12 & 12/13 rising in view of new programmes proposed to be taken up.	Number of institutions, consultants, agencies and industrial units covered	Nos.	6.00	15	14	12	11	10
		To provide technology based support to programmes benefiting women.> Note: Target/Projected values for FY 8/9, 9/10 & 10/11 in section 3 showing a downward trend because only ongoing	Number of organizations supported	Nos	5.00	8	7	6	5	4

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

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	VeryGood	Good	Fair	Poor
						100%	90%	80%	70%	60%
		projects were taken up for completion. Projected value for FY11/12 & 12/13 rising in view of new projects proposed to be taken up.								
		Reducing duration in processing of applications from baseline value of 112 days (16 weeks)	Target duration	Days	2.00	105	106	108	110	112
		Technical & administrative coordination of Asian & Pacific Centre for Transfer of Technology (UN ESCAP-APCTT)	Capacity building activities undertaken by UN ESCAP-APCTT in the Asia-Pacific region	Nos.	2.00	3	2	1	0	0
4 Implementing flagship programmes in the department.	5.00	Evolving and defining 3 flagship programmes of the department	Timely identification of the flagship programmes	Date	2.00	30/01/2011	15/02/2011	28/02/2011	15/03/2011	31/03/2011
		Evolving Mechanism for implementing Flagship Programmes	Timely evolution of mechanisms for flagship programmes	Date	3.00	01/03/2011	07/03/2011	14/03/2011	21/03/2011	28/03/2011
5 e-Governance Initiatives.	4.00	Online availability of information, data, reports etc. about schemes	Timely availability of information online	Date	4.00	01/03/2011	07/03/2011	14/03/2011	21/03/2011	28/03/2011
* Efficient Functioning of the RFD System	5.00	Timely submission of Draft for Approval	On-time submission	Date	2.00	05/03/2010	08/03/2010	09/03/2010	10/03/2010	11/03/2010
		Timely submission of Results	On- time submission	Date	1.00	02/05/2011	03/05/2011	04/05/2011	05/05/2011	06/05/2011
		Finalize a Strategic Plan	Finalize the Strategic Plan for next 5 years	Date	2.00	10/12/2010	15/12/2010	20/12/2010	24/12/2010	31/12/2010
* Improving Internal Efficiency / Responsiveness / Service delivery of Ministry / Department	6.00	Develop RFDs for all Responsibility Centers (Subordinate Offices, Attached Offices, Autonomous Bodies)	Percentage of RCs covered	%	2.00	100	95	90	85	80
		Implementation of Sevottam	Create a Sevottam compliant to implement, monitor and review	Date	1.00	01/10/2010	05/10/2010	11/10/2010	15/10/2010	20/10/2010

* 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	VeryGood	Good	Fair	Poor
						100%	90%	80%	70%	60%
			Citizen's Charter							
			Create a Sevottam Compliant system to redress and monitor public Grievances	Date	1.00	01/10/2010	05/10/2010	11/10/2010	15/10/2010	20/10/2010
			Independent Audit of Implementation of Citizen's Charter	%	1.00	100	95	90	85	80
			Independent Audit of implementation of public grievance redressal system	%	1.00	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.	%	0.50	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.	%	0.50	100	90	80	70	60
		Early disposal of pending ATNs on Audit Paras of C&AG Reports presented to Parliament before 31.3.2010.	Percentage of outstanding ATNs disposed off during the year.	%	0.50	100	90	80	70	60
		Early disposal of pending ATRs on PAC Reports presented to Parliament before 31.3.2010	Percentage of outstanding ATRs disposed off during the year.	%	0.50	100	90	80	70	60

* Mandatory Objective(s)

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 08/09	Actual Value for FY 09/10	Target Value for FY 10/11	Projected Value for FY 11/12	Projected Value for FY 12/13
1 To promote & nurture research and development in industry.	Promotional & motivational Measures. >Note: Projected values in section 3 indicate approvals as against the total number of applications processed, given in previous RFD Renewal numbers indicate actual number of units due for renewal (Reason for low target for FY 10/11).	Recognition & registration to new in-house R&D units; Scientific & Industrial Research Organisations (SIROs); Public Funded Research Institutions (PFRIs)	Nos.	182	187	190	220	240
		Renewal of recognition & registration to in-house R&D units; SIROs; PFRIs	Nos.	520	600	620	700	775
	Reducing duration in processing of recognition from baseline value of 112 days (16 weeks)	Target duration	Days	--	--	106	--	--
	Fiscal incentives for Scientific Research	Approving new companies for availing fiscal benefits	Nos.	28	30	60	90	125
	Measuring R&D expenditure of Companies availing fiscal benefits	Percentage increase in 3 years running average of R&D expenditure of approved companies	%	--	--	4	5	6
	Evolving norms for capturing output indicators of in-house R&D units, SIROs and PFRIs	Timely evolution of norms	Date	--	--	07/03/2011	--	--
2 Promotion and support for development of new and innovative products, processes and technologies and for improving industrial competitiveness.	Technical and partial financial support to industrial R&D and technology development & demonstration projects through Technology Development and Demonstration Programme (TDDP). >Note: Projected values in section 3 indicate only the commercialisable	Approval of fresh projects	Nos.	7	10	30	33	36

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 08/09	Actual Value for FY 09/10	Target Value for FY 10/11	Projected Value for FY 11/12	Projected Value for FY 12/13
	products/processes developed as against the total number of programmes completed, given in previous RFD.							
		Product prototype or process developed & demonstrated	Nos.	3	3	5	8	10
	Support to individuals for conversion of science based innovative ideas into workable prototypes/processes through Technopreneur Promotion Programme (TePP)	Approval of fresh projects	Nos.	80	85	90	100	110
		Product prototype or process demonstrated	Nos.	20	20	30	37	45
	Reducing duration in processing of applications from baseline value of 188 days (24 weeks)	Target duration	Days	--	--	180	--	--
3 Promoting technology evaluation, utilization and linkages with relevant agencies to improve efficiency.	Support to programmes and studies to understand the impact of emerging technological issues and to facilitate use of technology by industry and institutions. >Note: Target/Projected values for FY 8/9, 9/10 & 10/11 in section 3, showing a downward trend because only ongoing projects were taken up for completion. Projected value for FY11/12 & 12/13 rising in view of new programmes proposed to be taken up.	Number of institutions, consultants, agencies and industrial units covered	Nos.	35	18	14	16	18

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 08/09	Actual Value for FY 09/10	Target Value for FY 10/11	Projected Value for FY 11/12	Projected Value for FY 12/13
	To provide technology based support to programmes benefiting women.> Note: Target/Projected values for FY 8/9, 9/10 & 10/11 in section 3 showing a downward trend because only ongoing projects were taken up for completion. Projected value for FY11/12 & 12/13 rising in view of new projects proposed to be taken up.	Number of organizations supported	Nos	5	3	7	9	10
	Reducing duration in processing of applications from baseline value of 112 days (16 weeks)	Target duration	Days	--	--	106	--	--
	Technical & administrative coordination of Asian & Pacific Centre for Transfer of Technology (UN ESCAP-APCTT)	Capacity building activities undertaken by UN ESCAP-APCTT in the Asia-Pacific region	Nos.	1	2	2	2	2
4 Implementing flagship programmes in the department.	Evolving and defining 3 flagship programmes of the department	Timely identification of the flagship programmes	Date	--	--	15/02/2011	--	--
	Evolving Mechanism for implementing Flagship Programmes	Timely evolution of mechanisms for flagship programmes	Date	--	--	07/03/2011	--	--
5 e-Governance Initiatives.	Online availability of information, data, reports etc. about schemes	Timely availability of information online	Date	--	--	07/03/2011	--	--
* Efficient Functioning of the RFD System	Timely submission of Draft for Approval	On-time submission	Date			--	--	--
	Timely submission of Results	On- time submission	Date			--	--	--

* Mandatory Objective(s)

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 08/09	Actual Value for FY 09/10	Target Value for FY 10/11	Projected Value for FY 11/12	Projected Value for FY 12/13
	Finalize a Strategic Plan	Finalize the Strategic Plan for next 5 years	Date			--	--	--
* Improving Internal Efficiency / Responsiveness / Service delivery of Ministry / Department	Develop RFDs for all Responsibility Centers (Subordinate Offices, Attached Offices, Autonomous Bodies)	Percentage of RCs covered	%			--	--	--
	Implementation of Sevottam	Create a Sevottam compliant to implement, monitor and review Citizen's Charter	Date			--	--	--
		Create a Sevottam Compliant system to redress and monitor public Grievances	Date			--	--	--
		Independent Audit of Implementation of Citizen's Charter	%			--	--	--
		Independent Audit of implementation of public grievance redressal system	%			--	--	--
* Ensuring compliance to the Financial Accountability Framework	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.	%	--	--	--	--	--
	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.	%	--	--	--	--	--
	Early disposal of pending ATNs on Audit Paras of	Percentage of outstanding ATNs disposed off during	%	--	--	--	--	--

* Mandatory Objective(s)

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 08/09	Actual Value for FY 09/10	Target Value for FY 10/11	Projected Value for FY 11/12	Projected Value for FY 12/13
	C&AG Reports presented to Parliament before 31.3.2010.	the year.						
	Early disposal of pending ATRs on PAC Reports presented to Parliament before 31.3.2010	Percentage of outstanding ATRs disposed off during the year.	%	--	--	--	--	--

* Mandatory Objective(s)

**Section 4:
Description and Definition of Success Indicators
and Proposed Measurement Methodology**

Success Indicators	Description and Definition	Measurement Methodology
Objective 1		

Recognition & registration to new in-house R&D units; Scientific & Industrial Research Organisations (SIRO); Public Funded Research Institutions (PFRI)	Evaluation & assessment of R&D activities of in-house R&D units established by corporate industry; and non-commercial scientific & industrial research organizations and granting them recognition & registration.	The number of new in-house R&D units, SIROs and PFRI recognized and registered <i>Note: Projected values indicate approvals as against the total number of applications processed, given in previous RFD</i>
Renewal of recognition & registration to in-house R&D units; SIROs; PFRI		
Target duration		Tracking the time taken for processing
Approving new companies for availing fiscal benefits	Reducing the time taken for processing of application for recognition	The number of companies approved
Percentage increase in 3 years running average of R&D expenditure of approved companies	As per Income Tax Act, Secretary, DSIR is the prescribed authority for approval of companies for claiming weighted deduction on R&D expenditure. Approved companies availing fiscal benefits are monitored for increase of their R&D expenditure	The increase in average of last 3 years R&D expenditure is measured on running basis
Timely evaluation of norms (for output indicators)	Output indicators are R&D expenditure as percentage of turnover, ratio of increase in turnover to increase in R&D expenditure, commercialization of R&D results, publications etc.	Timelines for evolution of norms for output indicators shall be tracked, for completion before 01.03.2011

Objective 2		
<p>Approval of fresh projects</p> <p>Product prototype or process developed & demonstrated</p> <p>Target duration</p>	<p>The success indicators indicate the performance of the programmes, namely partial support to industrial R&D projects, support to individual innovators</p> <p>Only those products/processes developed and demonstrated that are likely to be commercialized will be taken as a success indicator (being the reason for lower targets).</p> <p>Reducing the time taken for processing of application for funding</p>	<p>The numbers of projects approved are the ones recommended by Technical Advisory Committee (TAC) and concurred by IFD</p> <p>Monitoring of on-going projects are essentially measured by the number of Project Review Committee meetings held under any particular project</p> <p>Tracking the time taken for processing</p>
Objective 3		

Number of institutions, consultants, agencies and industrial units covered	Programmes that will enable industries/ institutions to understand the impact of emerging technological areas and absorb them in their processes	Number of such programmes supported and their impact shall be monitored
Number of organizations supported	Programmes for training and capacity development of women shall be undertaken	Number of programme supported and their beneficiaries
Target duration	Reducing the time taken for processing of application for funding	Tracking the time taken for processing
Capacity building activities undertaken by UN ESCAP-APCTT in the Asia-Pacific region	DSIR is the country's focal point for United Nations Economic and Social Commission for Asia and the Pacific (UN ESCAP) - APCTT. The department provides institutional grant and programme support. UN ESCAP decides the activities of the institution internationally.	Number of capacity building activities undertaken and their beneficiaries

Objective 4

Timely identification of the flagship programmes	Flagship programmes are those programmes by which the Dept. will be identified uniquely. The programmes shall be identified & mechanisms for their	Keeping track of the timelines
Timely evolution of mechanisms for flagship programmes	implementation shall be evolved through internal & external consultations and interactions	

Objective 5

Timely availability of information online	Contents of all schemes for on line system shall be developed	Development of all contents for various schemes
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**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 development and demonstration of new technologies	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 and programme objectives would be hampered

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 PFRIs	Comments and views on the applications received for recognition	The views of Administrative Ministry are taken into consideration before recognition	-	The number of recognitions could be lower
Department of Revenue, Ministry of Finance	Approval of new cases for Income tax deduction/benefits	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, DSIR will not be able to implement effectively as the response time from industry has to be considered.