



Government of India

R F D

(Results-Framework Document)
for

Department of Health Research

(2013-2014)

Section 1: Vision, Mission, Objectives and Functions

Vision

To bring modern health technology to the people through research and innovations related to diagnostic, treatment methods and vaccines for prevention; to translate them into products and processes and, in synergy with concerned organizations, introduce these innovations into public health service

Mission

(1) Generate, manage and disseminate new knowledge. (2) Increase focus on research specially using modern technology which has relevance to health and disease. (3) Harness and encourage the use of modern biology tools in addressing health concerns of the country. (4) Encourage innovations related to diagnostics, treatment, methods/ vaccines for prevention. (5) Inculcate a culture of research in academia especially medical colleges and other health research institutions. (6) Create state-of-the-art health research infrastructure. (7) Develop a cadre of trained and skilled human resource for health research. (8) Strengthen translational research so as to translate research outcomes into products, processes and diagnostic/preventive tools by public and public-private partnership.

Objectives

- 1 To provide research leadership for resolving existing and emerging health challenges by promotion, co-ordination & development of basic, applied, clinical and operational research
- 2 To address matters related to major health problems pertaining to epidemics, natural calamities and other emerging causes of morbidity and mortality
- 3 To improve research governance
- 4 To develop new methods of diagnosis, treatment as well as prevention and to accelerate translational programmes specially by facilitating joint projects with other stakeholders like DSIR, DARE, DDR&D, DBT, DAE
- 5 To accelerate international co-operation in medical and health research.

Functions

- 1 Promote and provide guidance on research governance issues, including ethical issues in medical and health research.
- 2 Inter-sectoral coordination and promotion of public-private partnership in medical, bio-medical and health research related areas.
- 3 Advanced training in research areas concerning medicine and health including grant of fellowships for such training in India and abroad.
- 4 Technical support for dealing with epidemics and natural calamities.
- 5 Investigation of outbreaks due to new and exotic agents and development of tools for prevention.

Section 1: Vision, Mission, Objectives and Functions

- 6 Matters relating to scientific societies and associations, charitable and religious endowments in medicine and health research areas.
- 7 Administering and monitoring of Indian Council of Medical Research.
- 8 Coordination between organisations and institutes under the Central and State Governments in areas related to the subjects entrusted to the Department and for the promotion of special studies in medicine and health
- 9 Promotion and co-ordination of basic, applied and clinical research including clinical trials and operational research in areas related to medical, health, biomedical and medical profession and education through development of infrastructure, manpower and skills in cutting edge areas and management of related information thereto.
- 10 International cooperation in medical and health research including work related to international conferences in related areas in India and abroad.

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%
						15	12	10	8	7
[1] To provide research leadership for resolving existing and emerging health challenges by promotion, co-ordination & development of basic, applied, clinical and operational research	39.00	[1.1] Strengthen health research infrastructure in Medical Colleges, Model Rural Research Centres	[1.1.1] Research units or centres made functional	No.	4.00	600	550	450	360	350
		[1.2] Supporting Intramural & Extramural research programmes	[1.2.1] New Intramural and extramural research projects sanctioned	No.	4.00	600	550	450	360	350
			[1.2.2] Projects completed on time	%	4.00	90	80	70	60	50
		[1.3] Collaboration with State Govts and UTs	[1.2.3] Research papers published in research journals	No.	4.00	750	700	600	500	400
			[1.3.1] Finalisation of new MOU for new joint research projects	No.	3.00	35	30	25	20	15
		[1.4] Advanced training in cutting edge areas.	[1.3.2] Launching of new projects in uncovered states / backward areas	No.	2.00	10	9	8	7	6
			[1.3.3] Launching of new projects in other areas	No.	2.00	10	9	8	7	6
			[1.4.1] Persons trained	No.	2.00	300	250	200	150	100
			[1.4.2] Trained Persons submitting projects	%	2.00	100	90	80	70	60
			[1.4.3] Submitted projects	%	1.00	90	80	70	60	50

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

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
		[1.5] Research issues related to marginalized / underprivileged with special attention Women's health	sanctioned							
			[1.5.1] Studies/projects sanctioned related to women health	No.	3.00	15	13	12	10	9
			[1.5.2] Projects related to tribal and marginalized areas	No.	2.00	15	13	12	10	9
			[1.5.3] Completion of studies related to status of malnutrition in identified blocks	No.	2.00	30	25	20	15	10
		[1.6] New schemes	[1.6.1] Approval of new schemes	No.	2.00	9	7	6	4	3
			[1.6.2] Commencement of new schemes	No.	2.00	8	6	5	3	2
[2] To address matters related to major health problems pertaining to epidemics, natural calamities and other emerging causes of morbidity and mortality	18.00	[2.1] Successful Investigation of outbreaks	[2.1.1] New outbreaks successfully investigated	%	3.00	90	80	70	60	50
			[2.1.2] Successfully investigated known pathogen within 48 hours	%	2.00	100	90	80	70	60
			[2.1.3] Development of rapid response system	Date	2.00	28/02/2014	07/03/2014	14/03/2014	25/03/2014	31/03/2014

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

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
[3] To improve research governance		[2.2] Establishment of Labs to handle new and emerging pathogens	[2.2.1] Identification of new labs for viral and infectious diseases	No.	4.00	30	25	20	18	15
			[2.2.2] Commissioning of viral/ infectious disease laboratories	No.	3.00	15	12	10	9	8
		[2.3] Development of new diagnostics kits and indigenous vaccines	[2.3.1] Diagnostic kits , vaccines developed	No.	2.00	2	1	0	0	0
			[2.3.2] Diagnostic kits, vaccines evaluated	No.	2.00	2	1	0	0	0
	10.00	[3.1] Establishing mechanisms for granting recognition of health research institutions	[3.1.1] Establishing criteria and procedures and granting recognition	Date	1.00	30/06/2013	31/07/2013	31/08/2013	31/10/2013	30/11/2013
			[3.1.2] Processing of applications for granting recognition within 3 months	%	1.00	100	90	80	70	60
		[3.2] Implementation of Knowledge Management (KM) Policy	[3.2.1] Sanction of model projects for implementing the KM policy	No.	2.00	12	10	8	6	5
			[3.3.1] Submission of Cabinet Note with the draft Bill	Date	2.00	30/09/2013	31/10/2013	30/11/2013	31/12/2013	31/01/2014
		[3.4] Bringing in a law on Alternated systems of medicine	[3.4.1] Submission of Cabinet Note with the draft Bill	Date	2.00	30/09/2013	31/10/2013	30/11/2013	31/12/2013	31/01/2014

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 develop new methods of diagnosis, treatment as well as prevention and to accelerate translational programmes specially by facilitating joint projects with other stakeholders like DSIR, DARE, DDR&D, DBT, DAE	10.00	[3.5] Bringing a law on Research on Human Subjects	[3.5.1] Submission of Cabinet Note with the draft Bill	Date	2.00	30/09/2013	31/10/2013	30/11/2013	31/12/2013	31/01/2014
		[4.1] Translation of Technologies into products or processes and their introduction into health research system.	[4.1.1] Products/processes on which evaluation trials completed	No.	3.00	15	10	8	6	5
			[4.1.2] Commercialization of diagnostic kits/processes for JE, Malaria, Dengue, etc.	No.	3.00	3	2	1	0	0
			[4.1.3] Filing of applications under PCT	No.	1.00	60	54	48	42	36
			[4.1.4] Filing of new applications for patents	No.	1.00	20	18	16	14	12
[5] To accelerate international co-operation in medical and health research.	8.00	[4.2] Joint Translational programmes with other agencies	[4.2.1] Approval of new joint translational projects	No.	1.00	25	20	15	10	8
		[5.1] Financial support to non-ICMR scientists for participation in international conferences/workshops etc	[4.2.2] Sanction of joint projects	No.	1.00	10	8	6	4	3
			[5.1.1] Non-ICMR scientists selected	No.	2.00	200	180	160	150	140

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%
			[5.1.2] Placements of participant's report on website	%	1.00	100	95	90	80	75
		[5.2] Organize/support International Conferences/workshops in India	[5.2.1] International conferences organized or supported	No.	1.00	4	3	2	1	0
		[5.3] Support international research programmes under bilateral or multilateral arrangements and participation of DHR delegates in meetings of international bodies.	[5.3.1] International research programs undertaken under bilateral or multilateral arrangements	No.	1.00	6	4	3	2	1
		[5.4] Facilitate and finalize MOUs for Bilateral and multilateral programs	[5.3.2] Participation in meetings [5.4.1] Signing of MOUs	No.	1.00 2.00	5 5	4 4	3 3	2 2	1 1
* Efficient Functioning of the RFD System	3.00	Timely submission of Draft RFD 2014-15 for Approval	On-time submission	Date	2.0	05/03/2014	06/03/2014	07/03/2014	08/03/2014	11/03/2014
		Timely submission of Results for 2012-13	On-time submission	Date	1.0	01/05/2013	02/05/2013	03/05/2013	06/05/2013	07/05/2013
* Transparency/Service delivery Ministry/Department	3.00	Independent Audit of implementation of Citizens' Charter (CCC)	% of implementation	%	2.0	100	95	90	85	80
		Independent Audit of Implementation of Public Grievance Redressal System	% of implementation	%	1.0	100	95	90	85	80

* 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	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
* Administrative Reforms	6.00	Implement mitigating strategies for reducing potential risk of corruption	% of implementation	%	1.0	100	95	90	85	80
		Implement ISO 9001 as per the approved action plan	% of implementation	%	2.0	100	95	90	85	80
		Implement Innovation Action Plan (IAP)	% of milestones achieved	%	2.0	100	95	90	85	80
		Identification of core and non-core activities of the Ministry/Department as per 2nd ARC recommendations	Timely submission	Date	1.0	27/01/2014	28/01/2014	29/01/2014	30/01/2014	31/01/2014
* Improving Internal Efficiency/Responsiveness.	2.00	Update departmental strategy to align with 12th Plan priorities	Timely updation of the strategy	Date	2.0	10/09/2013	17/09/2013	24/09/2013	01/10/2013	08/10/2013
* Ensuring compliance to the Financial Accountability Framework	1.00	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.	%	0.25	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.	%	0.25	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.	%	0.25	100	90	80	70	60
		Early disposal of pending ATRs on PAC Reports presented to Parliament before 31.3.2012	Percentage of outstanding ATRS disposed off during the year.	%	0.25	100	90	80	70	60
* Mandatory Objective(s)										

* Mandatory Objective(s)

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
[1] To provide research leadership for resolving existing and emerging health challenges by promotion, co-ordination & development of basic, applied, clinical and operational research	[1.1] Strengthen health research infrastructure in Medical Colleges, Model Rural Research Centres	[1.1.1] Research units or centres made functional	No.	8	10	12	18	20
	[1.2] Supporting Intramural & Extramural research programmes	[1.2.1] New Intramural and extramural research projects sanctioned	No.	450	540	550	650	700
		[1.2.2] Projects completed on time	%	70	80	80	90	90
		[1.2.3] Research papers published in research journals	No.	400	650	700	750	750
	[1.3] Collaboration with State Govts and UTs	[1.3.1] Finalisation of new MOU for new joint research projects	No.	8	26	30	30	35
		[1.3.2] Launching of new projects in uncovered states / backward areas	No.	--	9	9	12	15
		[1.3.3] Launching of new projects in other areas	No.	--	8	9	12	15
	[1.4] Advanced training in cutting edge areas.	[1.4.1] Persons trained	No.	45	130	250	350	400
		[1.4.2] Trained Persons submitting projects	%	--	60	90	100	125
		[1.4.3] Submitted projects sanctioned	%	--	--	80	100	100

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
	[1.5] Research issues related to marginalized / underprivileged with special attention Women's health	[1.5.1] Studies/projects sanctioned related to women health	No.	6	10	13	18	20
		[1.5.2] Projects related to tribal and marginalized areas	No.	0	0	13	20	25
		[1.5.3] Completion of studies related to status of malnutrition in identified blocks	No.	0	0	25	35	40
	[1.6] New schemes	[1.6.1] Approval of new schemes	No.	0	2	7	10	12
		[1.6.2] Commencement of new schemes	No.	0	2	6	9	10
	[2] To address matters related to major health problems pertaining to epidemics, natural calamities and other emerging causes of morbidity and mortality	[2.1] Successful Investigation of outbreaks	%	100	90	80	100	100
		[2.1.2] Successfully investigated known pathogen within 48 hours	%	--	--	90	100	100
		[2.1.3] Development of rapid response system	Date	--	--	07/03/2014	28/02/2015	28/02/2016

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
[3] To improve research governance	[2.2] Establishment of Labs to handle new and emerging pathogens	[2.2.1] Identification of new labs for viral and infectious diseases	No.	--	10	25	30	30
		[2.2.2] Commissioning of viral/infectious disease laboratories	No.	10	12	12	15	15
	[2.3] Development of new diagnostics kits and indigenous vaccines	[2.3.1] Diagnostic kits, vaccines developed	No.	2	3	1	2	3
		[2.3.2] Diagnostic kits, vaccines evaluated	No.	--	2	1	2	3
	[3.1] Establishing mechanisms for granting recognition of health research institutions	[3.1.1] Establishing criteria and procedures and granting recognition	Date	15/03/2012	31/03/2013	31/07/2013	30/06/2014	30/06/2015
		[3.1.2] Processing of applications for granting recognition within 3 months	%	--	--	90	100	100
	[3.2] Implementation of Knowledge Management (KM) Policy	[3.2.1] Sanction of model projects for implementing the KM policy	No.	--	--	10	15	18
		[3.3.1] Submission of Cabinet Note with the draft Bill	Date	31/12/2011	31/01/2013	31/10/2013	31/10/2014	31/10/2015
	[3.4] Bringing in a law on Alternated systems of medicine	[3.4.1] Submission of Cabinet Note with the draft Bill	Date	31/12/2011	31/01/2013	31/10/2013	31/10/2014	31/10/2015
		[3.5.1] Submission of Cabinet Note with	Date	31/12/2011	31/12/2012	31/10/2013	31/10/2014	31/10/2015

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
[4] To develop new methods of diagnosis, treatment as well as prevention and to accelerate translational programmes specially by facilitating joint projects with other stakeholders like DSIR, DARE, DDR&D, DBT, DAE	Subjects	the draft Bill						
	[4.1] Translation of Technologies into products or processes and their introduction into health research system.	[4.1.1] Products/processes on which evaluation trials completed	No.	15	10	10	15	15
		[4.1.2] Commercialization of diagnostic kits/processes for JE, Malaria, Dengue, etc.	No.	--	--	2	2	2
		[4.1.3] Filing of applications under PCT	No.	--	20	54	60	60
		[4.1.4] Filing of new applications for patents	No.	--	20	18	20	20
[5] To accelerate international co-operation in medical and health research.	[4.2] Joint Translational programmes with other agencies	[4.2.1] Approval of new joint translational projects	No.	--	--	20	25	25
		[4.2.2] Sanction of joint projects	No.	4	4	8	10	10
	[5.1] Financial support to non-ICMR scientists for participation in international conferences/workshops etc	[5.1.1] Non-ICMR scientists selected	No.	25	200	180	225	250

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
		[5.1.2] Placements of participant's report on website	%	4	0	95	95	95
	[5.2] Organize/support International Conferences/workshops in India	[5.2.1] International conferences organized or supported	No.	4	4	3	4	4
	[5.3] Support international research programmes under bilateral or multilateral arrangements and participation of DHR delegates in meetings of international bodies.	[5.3.1] International research programs undertaken under bilateral or multilateral arrangements	No.	6	4	4	5	5
	[5.4] Facilitate and finalize MOUs for Bilateral and multilateral programs	[5.3.2] Participation in meetings [5.4.1] Signing of MOUs	No. No.	-- --	4 4	4 4	5 5	5 5
* Efficient Functioning of the RFD System	Timely submission of Draft RFD 2014-15 for Approval	On-time submission	Date	05/03/2011	08/03/2012	05/03/2013	05/03/2014	05/03/2015
	Timely submission of Results for 2012-13	On-time submission	Date	03/05/2011	01/05/2012	02/05/2013	05/03/2014	05/03/2015
* Transparency/Service delivery Ministry/Department	Independent Audit of Implementation of Citizens' Charter	% of implementation	%	95	95	95	95	100

* Mandatory Objective(s)

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
* Administrative Reforms	Independent Audit of implementation of Public Grievance Redressal System	% of implementation	%	95	95	95	100	--
	Implement mitigating strategies for reducing potential risk of corruption	% of implementation	%	95	95	95	95	95
	Implement ISO 9001 as per the approved action plan	% of implementation	%	--	60	95	95	95
	Implement Innovation Action Plan (IAP)	% of milestones achieved	%	95	95	95	95	95
	Identification of core and non-core activities of the Ministry/Department as per 2nd ARC recommendations	Timely submission	Date	--	--	15/10/2013	15/10/2014	15/10/2015
* 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.	%	--	--	90	--	--
	Timely submission of ATRs to the PAC Sect. 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 for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
	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: Acronym

Sl.No	Acronym	Description
1	ART	Assisted Reproductive Technology
2	BSL	Bio-safety Level
3	CSIR	Council of Scientific and Industrial Research
4	DAE	Department of Atomic Energy
5	DARE	Department of Agriculture Research and Education
6	DBT	Department of Bio-technology
7	DDR	Department of Defence Research and Development
8	DHR	Department of Health Research
9	DSIR	Department of Scientific and Industrial Research

Section 4: Acronym

Sl.No	Acronym	Description
10	DST	Department of Science & Technology
11	ICMR	Indian Council of Medical Research
12	KM	Knowledge Management
13	Labs	Laboratories
14	MOU	Memorandum of Understanding
15	NDMA	National Disaster Management Authority
16	PCT	Patent Corporation Treaty
17	PI	Principal Investigator
18	WHO	World Health Organisation

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
1	[1.1.1] Research units or centres made functional	Number of Research Units/Centres to be sanctioned – To strengthen health research infrastructure efforts will be made to establish centres of excellence/multidisciplinary research units in medical colleges, model rural research units in different states and linking various Indian Council of Medical Research (ICMR) units in medical colleges to support these rural research centres technically.		Input - Proposals are invited from institutes/medical colleges for establishing centres within their premises. The proposal is discussed in the Department and final proposal is obtained on the specific format for processing as SFC (if applicable). Activity - The proposal is sent to the appraisal agencies and based on the comments received. The proposal is put up for discussion with the experts and revised proposal is submitted for obtaining sanction and if need be MOU is signed and other administrative formalities are completed. Internal Output - Sanctioned letter for establishing research unit/centre is issued. External Output - Liaison with the IFD is established to get the fund released. Outcome - Commencement	

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
1	[1.1.1] Research units or centres made functional	Number of Research Units/Centres to be sanctioned – To strengthen health research infrastructure efforts will be made to establish centres of excellence/multidisciplinary research units in medical colleges, model rural research units in different states and linking various Indian Council of Medical Research (ICMR) units in medical colleges to support these rural research centres technically.		of the research unit/centre as functional unit would be the outcome. Measurement of qualitative aspects is carried out by checking that how the research unit/centre is helping in providing modern health care facility to the targeted rural/marginalized population.	
2	[1.2.1] New Intramural and extramural research projects sanctioned	The department operates intramurally through ICMR which has 33 institutes/centres with 74 field stations. Also ICMR interacts with medical colleges and universities/other academic institutes who are engaged in medical research work. Department allocate funds to ICMR and ICMR in turn sanctions extramural projects to these academic institutes including medical colleges in various disciplines. ICMR also approve money for intramural projects in its Institutes/Centres which are recommended by their Scientific		Input - Research proposals are invited through the advertisement on the website of the Department. Activity - Project proposals are peer reviewed and based on the comments, revised proposal is received from the PI is then put up for Project Review Committee (PRC) and the proposal is accordingly revised based on the minutes issued and all necessary administrative formalities are completed.	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
2	[1.2.1] New Intramural and extramural research projects sanctioned	Advisory Committee. DHR also supports projects mainly focused on translational research and implementation. The aim is to use synergy and the focus is on adding value through sharing of resources and expertise. DHR/ICMR are likely to sanction 600 projects.		Intramural Output - Action is taken to issue sanction letters for the proposals approved by the Peer Committee and the Competent Authority. Extramural Output - It is based on the grants released to the concerned individual or unit in consultation with IFD. Outcome - It is based on the number of projects sanctioned and the grants released. Measurement of qualitative aspect - It is measured in terms of process, product, research papers published or patent issued.	
3	[1.3.1] Finalisation of new MOU for new joint research projects	It is proposed to collaborate with states/UTs for evolving joint research projects specific to each state and to provide them knowledge/technical support to improve healthcare of the people in states. The number of		Input - The research priorities for each State are identified in consultation with State Health Departments. The brainstorming sessions are held to undertake various	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
3	[1.3.1] Finalisation of new MOU for new joint research projects	States/UTs covered would be around 10.		research activities under collaborative research proposals. The joint research projects are obtained and examined. Activity - The joint research projects are peer reviewed and the comments received are communicated to PI. The revised research projects are discussed in PRC meeting. The project is revised on the basis of minutes as approved by the competent authority. The other necessary sanctions and administrative formalities are completed. Intramural Output - The MOU between the Department and the State is signed. The necessary instructions are issued to sanction the joint research proposals as approved. Extramural Output - The grant is released and the collaborative project is initiated.	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
3	[1.3.1] Finalisation of new MOU for new joint research projects	It is proposed to collaborate with states/UTs for evolving joint research projects specific to each state and to provide them knowledge/technical support to improve healthcare of the people in states. The number of States/UTs covered would be around 10.		Outcome - Number of MOU signed and the projects sanctioned. The units are made functional and the projects are commenced. The infrastructure created as proposed. Measurement of qualitative aspects - Number of papers published and provision of support to healthcare facilities to the marginalized and tribal areas.	
4	[1.4.1] Persons trained	It would be the endeavor of the department to provide training in advanced cutting edge areas such as Genomics, Proteomics, Epidemiology, Clinical Trials etc. to the scientists of ICMR as well as academic institutes to equip them to carry out research in emerging medical areas. The total scientists trained through lectures/workshops/fellowships/ training programmes would be 300.		Input - Applications from the biomedical/medical and health research scientists are invited through the web of the department. Activity - The applications are screened by the internal experts and peer reviewed by different medical experts. Intramural Output - The proposal is processed for seeking approval of the competent authority and discussed with IFD for issue sanction letter.	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
4	[1.4.1] Persons trained	It would be the endeavor of the department to provide training in advanced cutting edge areas such as Genomics, Proteomics, Epidemiology, Clinical Trials etc. to the scientists of ICMR as well as academic institutes to equip them to carry out research in emerging medical areas. The total scientists trained through lectures/workshops/fellowships/training programmes would be 300.		Extramural Output - Sanction letters are issued for fellowships to the scientist for appropriate training. Outcome - Number of scientists trained in a year in various areas and strengthening the various issues of the medical colleges to carry out research in advance biomedical areas. Measurement of qualitative aspect - The number of scientists engaged in projects, development of technology, patent or process.	
5	[1.5.1] Studies/projects sanctioned related to women health	There is a lack of research activity related to women's health. Hence a special emphasis is being paid to sanction studies/projects related to women health. It is proposed to sanction 15 projects in this area during this year.		Input - Research proposals related to women health are invited through the advertisement on the website of the Department. Activity - Project proposals related to women health are peer reviewed and based on the comments, revised proposal is received from the PI is then put up for Project Review	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
5	[1.5.1] Studies/projects sanctioned related to women health	There is a lack of research activity related to women's health. Hence a special emphasis is being paid to sanction studies/projects related to women health. It is proposed to sanction 15 projects in this area during this year.		Committee (PRC) and the proposal is accordingly revised based on the minutes issued and all necessary administrative formalities are completed. Intramural Output - Action is taken to issue sanction letters for the proposals approved by the Peer Committee and the Competent Authority. Extramural Output - It is based on the grants released to the concerned individual or unit in consultation with IFD. Outcome - It is based on the number of projects related to women health sanctioned and the grants released. Measurement of qualitative aspect - It is measured in terms of process, product, research papers published or patent issued.	

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
6	[1.6.1] Approval of new schemes	DHR in 2012-13 proposed to take up schemes, related to infrastructure development for promotion of health research by establishing MRU in medical colleges, MHRU in States and infectious disease laboratories at Regional, State and District level, Human Resource Development by imparting fellowships to the researchers of the country and granting it for intersectoral convergence and promotion of health research. The Schemes were formulated and circulated to various agencies for their comments. Only two (GIA&HRD) of the 4 schemes could be approved for the final year of the 12th plan. The Schemes in revised format for the 12th plan are not yet approved; therefore, it is proposed to start these schemes in the current financial year 2013-14. Besides this, the other new schemes related to Development of Animal Resource Facility, Science Centre at Hqrs. etc. are also the other new progs. to be initiated during this year. It is proposed to		Input - Proposals are invited from institutes/medical colleges for establishing centres within their premises. The proposal is discussed in the Department and final proposal is obtained on the specific format for processing as SFC (if applicable). Activity - The proposal is sent to the appraisal agencies and based on the comments received. The proposal is put up for discussion with the experts and revised proposal is submitted for obtaining sanction and if need be MOU is signed and other administrative formalities are completed. Intramural Output - Sanctioned letter for establishing research unit/centre is issued. External Output - Liaison with the IFD is established to get the fund released. Outcome - Commencement	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
6	[1.6.1] Approval of new schemes	prepare15E		of the research unit/centre as functional unit would be the outcome. Measurement of qualitative aspects is carried out by checking that how the research unit/centre is providing modern health care facility to the targeted rural/marginalized population.	
7	[2.1.1] New outbreaks successfully investigated	The country is facing outbreaks/epidemic due to viruses and other infectious agents every year and there is a need to investigate these outbreaks successfully and establish research laboratories at regional, state and district levels. To deal with such epidemics, it is necessary to develop diagnostic kits/vaccines.		Input – Based upon the magnitude of the problem and geological spread of the Country; new institutes/ medical colleges at establishment of such laboratories are identified by experts. Collection of data from regional, state and district level about the outbreaks/epidemics and identification of various level laboratories, medical colleges and research institutions is the basis to establish and commission to research facilities to deal with specific epidemics/outbreaks. Identification of new	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
7	[2.1.1] New outbreaks successfully investigated	The country is facing outbreaks/epidemic due to viruses and other infectious agents every year and there is a need to investigate these outbreaks successfully and establish research laboratories at regional, state and district levels. To deal with such epidemics, it is necessary to develop diagnostic kits/vaccines.		strains and methods to investigate these outbreaks would be undertaken. Efforts to will also be made to develop and evaluate diagnostic kits/vaccines to deal with such epidemic. Activity – Various outbreaks data is received from various states about epidemic and analyzed from strains. If it is new strain research projects are sanctioned to work out new procedure for dealing with the epidemic. Internal Output: Research laboratories across the country under ICMR or Ministry of Health and Family Welfare depending on expertise for deal with the outbreak and provide quick solution to contain it. External Output: The new procedures developed by the research labs are provided into the various States to implement it and contain the outbreak	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
7	[2.1.1] New outbreaks successfully investigated	The country is facing outbreaks/epidemic due to viruses and other infectious agents every year and there is a need to investigate these outbreaks successfully and establish research laboratories at regional, state and district levels. To deal with such epidemics, it is necessary to develop diagnostic kits/vaccines.		successfully. Outcome: Successful containment outbreak in the various parts of the country and creation depository for the new strains. Measurement of qualitative aspects: It is measured with reference to number of new strains identify percentage of outbreak successfully investigators and the new diagnostic kits or vaccine evaluated or developed.	
8	[2.2.1] Identification of new labs for viral and infectious diseases	Given at 2.1.1		Given at 2.1.1	
9	[2.2.2] Commissioning of viral/ infectious disease laboratories	Given at 2.1.1		Given at 2.1.1	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
10	[2.3.1] Diagnostic kits , vaccines developed	Given at 2.1.1		Given at 2.1.1	
11	[2.3.2] Diagnostic kits, vaccines evaluated	Given at 2.1.1		Given at 2.1.1	
12	[3.1.2] Processing of applications for granting recognition within 3 months	Given at 3.1.1		Given at 3.1.1	
13	[3.2.1] Sanction of model projects for implementing the KM policy	Scientists/academicians/providers engaged in service, education and research need to work in coherent pattern. The knowledge generated by all 3 of them has to be shared among themselves to improve the knowledge in the area of bio medical research. In this regard, knowledge management policy was developed and approved by Government of India in October, 2012. It is proposed to establish the various mechanisms for its implementation in this year.		Input: The policy document will be used to prepare guidelines for obtaining/generating to be undertaken the National Knowledge Network (NKN). Activity: The various research proposals are obtained from the researchers against the call for application involving knowledge management component. The proposals are clear reviewed and revised	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
13	[3.2.1] Sanction of model projects for implementing the KIM policy	Scientists/academicians/providers engaged in service, education and research need to work in coherent pattern. The knowledge generated by all 3 of them has to be shared among themselves to improve the knowledge in the area of bio medical research. In this regard, knowledge management policy was developed and approved by Government of India in October, 2012. It is proposed to establish the various mechanisms for its implementation in this year.		based upon the PRC meeting minutes. Internal Output: Proposals in collaboration with NKN are identified and the approved proposal are necessary sanction. External Output: The grant is released to approved projects and initiatives. Outcome: The knowledge generated from these projects is shared among various stakeholders and is widely disseminated through workshops/conferences. As a result, among stake holders engaged in generating knowledge come together develop more such collaborative efforts. Measurement of Qualitative Aspects: The various researchers from Research Institutions/academics and service providers are benefiting by undertaking specified number of joint	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
13	[3.2.1] Sanction of model projects for implementing the KM policy	Scientists/academicians/providers engaged in service, education and research need to work in coherent pattern. The knowledge generated by all 3 of them has to be shared among themselves to improve the knowledge in the area of bio medical research. In this regard, knowledge management policy was developed and approved by Government of India in October, 2012. It is proposed to establish the various mechanisms for its implementation in this year.		projects.	
14	[5.1.1] Non-ICMR scientists selected	To accelerate International cooperation in medical and health research areas DHR proposed collaboration with the various Asian and African and Western countries where expertise available for training through exchange visit or holding international conferences, international research programmed under bilateral and multilateral arrangements signing of MOUs and participation in the joint evaluation of projects. Over the years this activity has increased		Inputs: The applications are invited from interested to researchers through web the participation in international conferences/workshops for sharing the research experiences and learning from international research community. Activity: The applications are reviewed by an expert group for selection of suitable candidates. Internal output: The selected candidates are	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
14	[5.1.1] Non-ICMR scientists selected	exponentially and large number of scientist are trained several MOUs have been signed and conferences are held every year to increase the availability of qualified research scientists to carry out research in the upcoming biomedical research.		informed through formal letter. External output: Availability of trained scientists to take up research projects in the emerging area of medial and biomedical research. Outcome: This activity has increased the availability of trained manpower for carrying out research emerging areas of medical research. Measurement of qualitative aspects: Increase in number of projects being undertaken by the research faculty in the new emerging area.	
15	[5.1.2] Placements of participant's report on website			Given at 5.1.1.	
16	[5.2.1] International conferences organized or supported			Given at 5.1.1.	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
17	[5.3.1] International research programs undertaken under bilateral or multilateral arrangements	In order to accelerate international cooperation in biomedical research, the Department supports international research under bilateral or multilateral arrangements and facilitates and finalizes MOUs under bilateral and multilateral programmes. Under these arrangements, it is proposed to sanction 4 research programmes and sign atleast 4 MOUs with different countries.		Input: To liaise various Asian, African, European and Western countries to identify research programmes where there is a gap in technology. Activity: To discuss with the various countries and form working groups to steer the projects in the identified areas and also signed MOUs for taking up projects under bilateral or multilateral arrangements. Internal output: To hold meetings with the various countries experts and finalize the research programmes and MOUs. External outputs: To generate knowledge for our country in the newer emerging areas in the biomedical research. Outcome: Availability of trained research scientists who can expedite development of new products any violation trials. Measurement of	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
17	[5.3.1] International research programs undertaken under bilateral or multilateral arrangements	In order to accelerate international cooperation in biomedical research, the Department supports international research under bilateral or multilateral arrangements and facilitates and finalizes MOUs under bilateral and multilateral programmes. Under these arrangements, it is proposed to sanction 4 research programmes and sign atleast 4 MOUs with different countries.		Qualitative aspects: Exponential increase in research funding in this area indicates the advantage gain to take up biomedical research in emerging area.	
18	[5.3.2] Participation in meetings	Given at 5.3.1.		Given at 5.3.1.	
19	[5.4.1] Signing of MOUs	Given at 5.3.1.		Given at 5.3.1.	

Section 5 :
Specific Performance Requirements from other Departments

Location Type	State	Organisation Type	Organisation Name	Relevant Success Indicator	What is your requirement from this organisation	Justification for this requirement	Please quantify your requirement from this Organisation	What happens if your requirement is not met.
Central Government		Departments	Department Of Health and Family Welfare	[3.3.1] Submission of Cabinet Note with the draft Bill	To collaborate with various organization dealing with medical research and establish mechanism for granting recognition of health research institutes, implementation of knowledge management policy, approval of cabinet regarding Law for Assisted Reproductive Technique and regulations for carrying out clinical trials on human subjects	At present requirement in previous column to improve research governance	Approval of policy and bills will establish law and guidelines to improve research governance	If these policies and bills are not introduced research governance haywire
				[3.4.1] Submission of Cabinet Note with the draft Bill [3.5.1] Submission of Cabinet Note with the draft Bill				
			Department of Science and Technology	[1.3.1] Finalisation of new MOU for new joint research projects	To carry out joint research activities focused on translational projects	The department is having expertise innovating new tools related to drug development, new instruments, vaccines etc. which need to be explored	The financial and technical support and its resources	Will affect research activities related to development of new drugs, new instruments/devices, vaccines etc.

Section 5 :
Specific Performance Requirements from other Departments

Location Type	State	Organisation Type	Organisation Name	Relevant Success Indicator	What is your requirement from this organisation	Justification for this requirement	Please quantify your requirement from this Organisation	What happens if your requirement is not met.
			Department of Science and Technology	[1.3.1] Finalisation of new MOU for new joint research projects [4.2.1] Approval of new joint translational projects [4.2.2] Sanction of joint projects	To carry out joint research activities focused on translational projects	for health research	The financial and technical support and its resources	Will affect research activities related to development of new drugs, new instruments/ devices, vaccines etc.
			Department Of Health and Family Welfare	[5.1.1] Non-ICMR scientists selected [5.1.2] Placements of participant's report on website	DHR - endeavour is to collaborate with the Asian, African, European and Western Countries to have collaborative projects under bilateral and multilateral to generate synergy and fill the gaps in the technology and equip Indian medical scientists to work in emerging areas of biomedical research	International Collaboration is necessary to develop trained manpower and work in newly emerging areas of biomedical research by utilizing the joint expertise in the area of medical research	Under this arrangements it is expected to train around 150 scientists abroad organized 3 to 4 conferences and signed 4-5 MoU every year to work in different areas of medical research	If this requirement is not met there will be delay to work in newer and emerging areas of health research and delay in providing modern products and processes for modern health care facility

Section 5 :
Specific Performance Requirements from other Departments

Location Type	State	Organisation Type	Organisation Name	Relevant Success Indicator	What is your requirement from this organisation	Justification for this requirement	Please quantify your requirement from this Organisation	What happens if your requirement is not met.
				[5.2.1] International conferences organized or supported [5.3.1] International research programs undertaken under bilateral or multilateral arrangements [5.3.2] Participation in meetings [5.4.1] Signing of MOUs [4.1.1] Products/processes on which evaluation trials completed [4.1.2] Commercialization of diagnostic kits/processes for JE, Malaria, Dengue, etc. [4.1.3] Filing of applications under PCT [4.1.4] Filing of new applications for	DHR - will collaborate with various agencies to convert research outcomes into products, process and patents	There is a need to develop newer products, processes and patents to convert research leads into products, processes to provide modern health care facilities to population	Efforts will be made to develop atleast 15 products, processes or patents	If this work is not done, provision of modern drugs, processes will not be available for providing health care facilities

**Section 5 :
Specific Performance Requirements from other Departments**

Location Type	State	Organisation Type	Organisation Name	Relevant Success Indicator	What is your requirement from this organisation	Justification for this requirement	Please quantify your requirement from this Organisation	What happens if your requirement is not met.
				patents [4.2.1] Approval of new joint transnational projects [4.2.2] Sanction of joint projects				
			Department of AYUSH	[1.3.1] Finalisation of new MOU for new joint research projects	To carry out projects on integrated approach for complementary health care system and testing / evaluation of projects on traditional/non-allopathic medical subjects	AYUSH is a nodal agency to carry out research in traditional/non-allopathic medical subjects	The financial and technical support and its resources	Research activities related to traditional/non-allopathic medical system
			Department of AIDS Control	[1.3.1] Finalisation of new MOU for new joint research projects	To carry out research activities on Epidemiology, Management, Prevention and behavioural etc. aspects of HIV/AIDS and its co-morbidities	National nodal agency for HIV/AIDS and its related issues	The financial and technical support and its resource of network of surveillance	Research activities related to HIV/AIDS and its co-morbid conditions will be affected
			Department Of Health and Family Welfare	[2.1.1] New outbreaks successfully investigated	DHR in collaboration with other organization, establish data bank on various strains for containment of	There is a need to check existing and newer epidemics in a time bound manner	The no. of newer epidemics and existing epidemics are to be contained in a time bound manner	The epidemics will spread and will lead to increase morbidity and mortality

Section 5 :
Specific Performance Requirements from other Departments

Location Type	State	Organisation Type	Organisation Name	Relevant Success Indicator	What is your requirement from this organisation	Justification for this requirement	Please quantify your requirement from this Organisation	What happens if your requirement is not met.
			Department Of Health and Family Welfare	[2.1.1] New outbreaks successfully investigated [2.2.1] Identification of new labs for viral and infectious diseases [2.2.2] Commissioning of viral / infectious disease laboratories [2.3.1] Diagnostic kits , vaccines developed [2.3.2] Diagnostic kits, vaccines evaluated	epidemic and establishment of laboratories in various states to tackle epidemics. In addition it is required to develop and evaluate newer kits and vaccines to contain epidemics	There is a need to check existing and newer epidemics in a time bound manner	The no. of newer epidemics and existing epidemics are to be contained in a time bound manner	The epidemics will spread and will lead to increase morbidity and mortality
			Department Of Agricultural Research and Education	[1.3.1] Finalisation of new MOU for new joint research projects	To carry out research projects on food, safety, zoonosis, pesticide etc.	DARE is having a good infrastructure facilities and network to carry out joint research projects of mutual interest	The financial and technical support and its resources	Research activities on food and zoonosis will be hampered
		Ministry	Ministry of Women and Child Development	[1.5.1] Studies/projects sanctioned related to	Collaborative research projects related women	There is a lack of research activity related to women health in order to generate	Sanction of no. of projects as projected under Section-II	Research activities related to women health will be delayed

Section 5 :
Specific Performance Requirements from other Departments

Location Type	State	Organisation Type	Organisation Name	Relevant Success Indicator	What is your requirement from this organisation	Justification for this requirement	Please quantify your requirement from this Organisation	What happens if your requirement is not met.
		Ministry	Ministry of Women and Child Development	women health	health	synergy various departments are requested collaborate through sanction of projects	Sanction of no. of projects as projected under Section-II	Research activities related to women health will be delayed
			Ministry of Finance		Formal approval of the schemes requiring EFC/Cabinet and adequate funds	Mandatory requirement being the nodal agency	Approval of the scheme and budget	Implementation of the scheme/programme will be delayed and will affect development of new products, process and research outcome
				[1.6.2] Commencement of new schemes				
		others	Others	[1.2.1] New Intramural and extramural research projects sanctioned [1.2.2] Projects completed on time [1.2.3] Research papers published in research journals [1.4.1] Persons trained	ICMR has to process proposals and sanction projects and get it completed in time also involves publications or papers	ICMR is the nodal agency and competent to sanction intramural and extramural projects with the approval of DG, ICMR	To sanction No. of projects as projected under Section-II	Research outcome for emerging of bio-medical research will be delayed
					To process interview and depute	To generate sufficient no. of trained manpower who can	To sanction projected No. of scientists for	Availability of trained manpower to take up

Section 5 :
Specific Performance Requirements from other Departments

Location Type	State	Organisation Type	Organisation Name	Relevant Success Indicator	What is your requirement from this organisation	Justification for this requirement	Please quantify your requirement from this Organisation	What happens if your requirement is not met.
				[1.4.1] Persons trained	projected no. of scientist for training in emerging area of bio-medical research	work in emerging area of bio-medical research	training	research projects in newer area will not be available
State Government	Assam	Departments	Department of Health	[1.3.1] Finalisation of new MOU for new joint research projects	To collaborate with ICMR/DHR to expand infrastructural facility for providing modern health care facility	To provide modern health care facility to marginalised and rural population	No. of medical colleges/institutions equipped with modern health care facility	provision of modern health care facility to rural/marginalized population will be delayed
			State Departments	[1.3.1] Finalisation of new MOU for new joint research projects				

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 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16
1 Improved enhanced Health Research in the Country	DHR, DBT, DST, DARE, CSIR, Planning Commission, Ministry of Finance, Deptt. of AYUSH, DCGI, NACO, Deptt. of Health etc.	% Increase in total research output in the Country	%	*	*	*		
2 Enhanced Preparedness to deal with epidemics	DHR and Deptt. of Health	Increase in number of hospital/research units equipped	%	100**(30)	100**(40)	100**(35)		
3 Improved Health Governance	Ministry of Health & Family Welfare (DHR) and Ministry of Information & Broadcasting	% of Health Institutions accreditation	%			15		
4 Accelerated Translational Programme	DHR, DBT, DARE, CSIR etc.	Number of new programmes initiated/Patents Sanctioned	No.	10(8)	15(30)	30(40)		
5 Enhanced International Cooperative in Medical Health Research	DHR & Deptt. of Health	No. MOUs Signed/Project Sanctioned	No.	4	4	4		

