



Government of India

**R F D**

(Results-Framework Document)  
for

Department of Health Research

(2014-2015)

## Section 1: Mission, Objectives and Functions

### 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 and translation related to diagnostics, treatment, methods/ vaccines for prevention. 5) Inculcate a culture of research in academia especially medical colleges and other health research institutions by strengthening infra-structure and human resource. 6) Integrate Research in different systems of medicine.

### 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 governance for quality and productive health research.
- 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, DDRD, DBT, DAE
- 5 To accelerate international co-operation in medical and health research.

### Functions

- 1 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.
- 2 Promotion and providing guidance on research governance issues, including ethical issues in medical and health research.
- 3 Inter-sectoral coordination and promotion of public-private partnership in medical, bio-medical and health research related areas.
- 4 Advanced training in research areas concerning medicine and health including grant of fellowships for such training in India and abroad.

## Section 1: Vision, Mission, Objectives and Functions

- 5 International cooperation in medical and health research including work related to international conferences in related areas in India and abroad.
- 6 Technical support for dealing with epidemics and natural calamities.
- 7 Investigation of outbreaks due to new and exotic agents and development of tools for prevention.
- 8 Matters relating to scientific societies and associations, charitable and religious endowments in medicine and health research areas.
- 9 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.
- 10 Administering and monitoring of Indian Council of Medical Research.

## 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] To provide research leadership for resolving existing and emerging health challenges by promotion, co-ordination & development of basic, applied, clinical and operational research	40.00	[1.1] Strengthen health research infrastructure in Medical Colleges	[1.1.1] Approval of Research centres/ Multi-disciplinary Research Units (MRUs)	No.	2.00	51	40	35	30	25
			[1.1.2] Multi-disciplinary Research Units made functional	No.	2.00	30	27	24	21	18
			[1.1.3] Approval of Model Rural Health Research Units (MRHRU)	No.	2.00	8	7	6	5	4
			[1.1.4] MRHRUs made functional	No.	2.00	7	6	5	4	3
		[1.2] Supporting Intramural & Extramural research programmes	[1.2.1] Concept Research proposals received / generated through workshops & processed within 2 months	%	2.00	95	90	85	80	75
			[1.2.2] Detailed project proposals processed and disposed off within 9 months	%	2.00	95	90	85	80	75
			[1.2.3] Projects completed on time	%	2.00	90	80	70	60	50
			[1.2.4] Research papers published in indexed journals	No.	3.00	900	800	700	600	500

## 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%
			[1.2.5] Research papers presented in National & International Conferences / Seminars from projects funded by Department	No.	2.00	1800	1600	1400	1200	1000
		[1.3] Collaboration with State Govts and UTs	[1.3.1] Finalisation of new MOUs for joint research projects	No.	2.00	35	30	25	20	15
			[1.3.2] Launching of new projects in uncovered states / backward areas excluding the tribals and marginalized areas.	No.	3.00	18	15	12	10	8
		[1.4] Advanced training in cutting edge disciplines.	[1.4.1] Persons trained	No.	2.00	350	300	250	200	150
			[1.4.2] Trained Persons submitting projects	%	2.00	90	80	70	60	50
			[1.4.3] Projects approved	%	2.00	85	80	75	70	60
		[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.	1.00	20	18	15	12	10
			[1.5.2] Projects related to tribal and	No.	2.00	20	15	12	10	8

## 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%
			marginalized areas sanctioned							
			[1.5.3] Completion of studies related to status of malnutrition in identified blocks	No.	2.00	12	10	8	6	4
			[1.5.4] Approval of interventional project/ programmes on malnutrition	No.	2.00	2	1	--	--	--
			[1.5.5] projects leading to change in policy intervention methods	%	1.00	55	50	45	40	35
		[1.6] New schemes	[1.6.1] Approval of new schemes / specialized centre in health research	No.	2.00	2	1	--	--	--
[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 disease 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 for diagnosis of	Date	2.00	30/11/2014	31/12/2014	31/01/2015	28/02/2015	31/03/2015

## 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%
			Congo hemorrhagic fever							
		[2.2] Establishment of Labs to handle new and emerging pathogens	[2.2.1] Approval of labs for viral and infectious diseases	No.	3.00	40	35	32	30	28
			[2.2.2] Viral/ infectious disease research laboratories Commissioned from those approved upto 31.03.2014	%	3.00	90	80	70	60	50
		[2.3] Development of new diagnostics kits and indigenous vaccines	[2.3.1] Diagnostic kits , vaccines developed	No.	2.00	2	1	--	--	--
			[2.3.2] Diagnostic kits, vaccines evaluated	No.	2.00	2	1	--	--	--
			[2.3.3] Initiating trials with new regimen(s) for drug resistant infections	No.	1.00	2	1	--	--	--
[3] To improve governance for quality and productive health research.	9.00	[3.1] Establishing mechanisms for granting recognition to health research institutions	[3.1.1] Disposal within 4 months of applications for recognition	%	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

## 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%
		[3.3] Bringing in a law on ART	[3.3.1] Submission of draft Bill to Cabinet	Date	2.00	30/11/2014	31/12/2014	31/01/2015	28/02/2015	31/03/2015
		[3.4] Bringing in a law on Alternate systems of medicine	[3.4.1] Submission of draft Bill to Cabinet	Date	2.00	30/11/2014	31/12/2014	31/01/2015	28/02/2015	31/03/2015
		[3.5] Bringing a law on Research on Human Subjects	[3.5.1] Submission of draft Bill to Cabinet	Date	2.00	30/11/2014	31/12/2014	31/01/2015	28/02/2015	31/03/2015
[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, DDRD, DBT, DAE	10.00	[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	12	10	8	6	5
			[4.1.2] Commercialization of diagnostic kits/processes	No.	3.00	12	10	8	6	4
			[4.1.3] Filing of applications under PCT	No.	1.00	15	12	10	8	6
			[4.1.4] Filing of new applications for patents	No.	1.00	20	18	16	14	12
		[4.2] Joint Translational programmes with other agencies	[4.2.1] Approval of new joint translational projects	No.	1.00	40	35	30	25	20
			[4.2.2] Funding of joint projects	No.	1.00	15	12	10	8	6
[5] To accelerate international co-operation in medical and health research.	8.00	[5.1] Financial support to non-ICMR scientists for participation in international	[5.1.1] Scientists selected	No.	2.00	250	225	180	160	140



## 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%
		conferences/workshops etc								
		[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	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 programmes undertaken under bilateral or multilateral arrangements	No.	2.00	5	4	3	2	1
		[5.4] Facilitate and finalize MOUs for Bilateral and multilateral programs	[5.4.1] Signing of MOUs	No.	2.00	5	4	3	2	1
* Efficient Functioning of the RFD System	3.00	Timely submission of Draft RFD for 2015-2016 for Approval	On-time submission	Date	2.0	05/03/2015	06/03/2015	09/03/2015	10/03/2015	11/03/2015
		Timely submission of Results for 2013-2014	On-time submission	Date	1.0	01/05/2014	02/05/2014	03/05/2014	06/05/2014	07/05/2014
* Enhanced Transparency / Improved Service delivery of Ministry/Department	3.00	Rating from Independent Audit of implementation of Citizens' / Clients' Charter (CCC)	Degree of implementation of commitments in CCC	%	2.0	100	95	90	85	80
		Independent Audit of implementation of Grievance Redress	Degree of success in implementing GRM	%	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%
		Management (GRM) system								
* Reforming Administration	8.00	Update departmental strategy to align with revised priorities	Date	Date	2.0	01/11/2014	02/11/2014	03/11/2014	04/11/2014	05/11/2014
		Implement agreed milestones of approved Mitigating Strategies for Reduction of potential risk of corruption (MSC).	% of Implementation	%	1.0	100	90	80	70	60
		Implement agreed milestones for implementation of ISO 9001	% of implementation	%	2.0	100	95	90	85	80
		% of Responsibility Centres with RFD in RFMS	Responsibility Centres covered	%	1.0	100	95	90	85	80
		Implement agreed milestones of approved Innovation Action Plans (IAPs).	% of implementation	%	2.0	100	90	80	70	60
* Improve compliance with 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

\* 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%
		Early disposal of pending ATNs on Audit Paras of C&AG Reports presented to Parliament before 31.3.2014.	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 31.3.2014	Percentage of outstanding ATRs disposed off during the year.	%	0.25	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 12/13	Actual Value for FY 13/14	Target Value for FY 14/15	Projected Value for FY 15/16	Projected Value for FY 16/17
[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	[1.1.1] Approval of Research centres/ Multi-disciplinary Research Units (MRUs)	No.	--	--	51	--	--
		[1.1.2] Multi-disciplinary Research Units made functional	No.	--	--	29	51	--
		[1.1.3] Approval of Model Rural Health Research Units (MRHRU)	No.	--	--	7	--	--
		[1.1.4] MRHRUs made functional	No.	--	--	8	7	--
	[1.2] Supporting Intramural & Extramural research programmes	[1.2.1] Concept Research proposals received / generated through workshops & processed within 2 months	%	--	--	90	90	90
		[1.2.2] Detailed project proposals processed and disposed off within 9 months	%	--	--	90	90	90
		[1.2.3] Projects completed on time	%	--	--	80	80	80
		[1.2.4] Research papers published in indexed journals	No.	650	--	800	800	850

### Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 12/13	Actual Value for FY 13/14	Target Value for FY 14/15	Projected Value for FY 15/16	Projected Value for FY 16/17
		[1.2.5] Research papers presented in National & International Conferences / Seminars from projects funded by Department	No.	--	--	1600	1600	1600
	[1.3] Collaboration with State Govts and UTs	[1.3.1] Finalisation of new MOUs for joint research projects	No.	26	--	30	30	30
		[1.3.2] Launching of new projects in uncovered states / backward areas excluding the tribals and marginalized areas.	No.	9	--	15	15	18
	[1.4] Advanced training in cutting edge disciplines.	[1.4.1] Persons trained	No.	130	--	300	350	400
		[1.4.2] Trained Persons submitting projects	%	60	--	80	80	80
		[1.4.3] Projects approved	%	--	--	80	80	80
	[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.	10	--	18	20	20
		[1.5.2] Projects related to tribal and	No.	--	--	15	18	20

### Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 12/13	Actual Value for FY 13/14	Target Value for FY 14/15	Projected Value for FY 15/16	Projected Value for FY 16/17
		marginalized areas sanctioned						
		[1.5.3] Completion of studies related to status of malnutrition in identified blocks	No.	--	--	10	12	15
		[1.5.4] Approval of interventional project/ programmes on malnutrition	No.	--	--	--	1	1
		[1.5.5] projects leading to change in policy intervention methods	%	--	--	50	50	55
	[1.6] New schemes	[1.6.1] Approval of new schemes / specialized centre in health research	No.	2	--	--	1	1
[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	[2.1.1] New disease outbreaks successfully investigated	%	--	--	80	80	80
		[2.1.2] Successfully investigated known pathogen within 48 hours	%	--	--	90	90	90
		[2.1.3] Development of rapid response system for	Date	--	--	31/12/2014	31/12/2015	31/12/2016

### Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 12/13	Actual Value for FY 13/14	Target Value for FY 14/15	Projected Value for FY 15/16	Projected Value for FY 16/17
		diagnosis of Congo hemorrhagic fever						
	[2.2] Establishment of Labs to handle new and emerging pathogens	[2.2.1] Approval of labs for viral and infectious diseases	No.	10	--	35	45	45
		[2.2.2] Viral/ infectious disease research laboratories Commissioned from those approved upto 31.03.2014	%	--	--	80	80	80
	[2.3] Development of new diagnostics kits and indigenous vaccines	[2.3.1] Diagnostic kits , vaccines developed	No.	2	--	--	2	2
		[2.3.2] Diagnostic kits, vaccines evaluated	No.	1	--	--	1	1
		[2.3.3] Initiating trials with new regimen(s) for drug resistant infections	No.	--	--	--	1	1
[3] To improve governance for quality and productive health research.	[3.1] Establishing mechanisms for granting recognition to health research institutions	[3.1.1] Disposal within 4 months of applications for recognition	%	--	--	90	90	90
	[3.2] Implementation of Knowledge Management (KM) Policy	[3.2.1] Sanction of model projects for implementing the KM policy	No.	--	--	10	12	12
	[3.3] Bringing in a law on ART	[3.3.1] Submission of draft Bill to Cabinet	Date	31/01/2013	--	31/12/2014	--	--

### Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 12/13	Actual Value for FY 13/14	Target Value for FY 14/15	Projected Value for FY 15/16	Projected Value for FY 16/17
	[3.4] Bringing in a law on Alternate systems of medicine	[3.4.1] Submission of draft Bill to Cabinet	Date	31/01/2013	--	31/12/2014	--	--
	[3.5] Bringing a law on Research on Human Subjects	[3.5.1] Submission of draft Bill to Cabinet	Date	31/01/2013	--	31/12/2014	--	--
[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, DDRD, DBT, DAE	[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.	10	--	10	12	12
		[4.1.2] Commercialization of diagnostic kits/processes	No.	--	--	10	10	10
		[4.1.3] Filing of applications under PCT	No.	20	--	12	15	15
		[4.1.4] Filing of new applications for patents	No.	20	--	18	20	20
	[4.2] Joint Translational programmes with other agencies	[4.2.1] Approval of new joint translational projects	No.	--	--	35	40	45
		[4.2.2] Funding of joint projects	No.	4	--	12	12	15
[5] To accelerate international co-operation in medical and health research.	[5.1] Financial support to non-ICMR scientists for participation in international conferences/workshop	[5.1.1] Scientists selected	No.	180	--	225	250	250



### Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 12/13	Actual Value for FY 13/14	Target Value for FY 14/15	Projected Value for FY 15/16	Projected Value for FY 16/17
	s etc							
		[5.1.2] Placements of participant's report on website	%	90	--	95	95	95
	[5.2] Organize/support International Conferences/workshops in India	[5.2.1] International conferences organized	No.	3	--	3	4	5
	[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 programmes undertaken under bilateral or multilateral arrangements	No.	3	--	4	4	5
	[5.4] Facilitate and finalize MOUs for Bilateral and multilateral programs	[5.4.1] Signing of MOUs	No.	4	--	4	4	4
* Efficient Functioning of the RFD System	Timely submission of Draft RFD for 2015-2016 for Approval	On-time submission	Date	--	--	06/03/2015	06/03/2016	15/03/2017
	Timely submission of Results for 2013-2014	On-time submission	Date	--	01/05/2014	02/05/2014	05/05/2016	02/05/2016
* Enhanced Transparency / Improved Service delivery of Ministry/Department	Rating from Independent Audit of implementation of Citizens' / Clients' Charter (CCC)	Degree of implementation of commitments in CCC	%	--	--	95	95	95

\* Mandatory Objective(s)

### Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 12/13	Actual Value for FY 13/14	Target Value for FY 14/15	Projected Value for FY 15/16	Projected Value for FY 16/17
	Independent Audit of implementation of Grievance Redress Management (GRM) system	Degree of success in implementing GRM	%	--	--	95	95	95
* Reforming Administration	Update departmental strategy to align with revised priorities	Date	Date	--	--	02/11/2014	02/11/2015	01/11/2016
	Implement agreed milestones of approved Mitigating Strategies for Reduction of potential risk of corruption (MSC).	% of Implementation	%	--	--	90	90	90
	Implement agreed milestones for implementation of ISO 9001	% of implementation	%	60	95	95	95	95
	% of Responsibility Centres with RFD in RFMS	Responsibility Centres covered	%	--	--	95	95	95
	Implement agreed milestones of approved Innovation Action Plans (IAPs).	% of implementation	%	95	95	90	90	90
* Improve compliance with 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	90	90	90	90
	Timely submission of ATRs to the PAC Sectt. on PAC	Percentage of ATRS submitted within due date	%	90	90	90	90	90

\* Mandatory Objective(s)

### Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 12/13	Actual Value for FY 13/14	Target Value for FY 14/15	Projected Value for FY 15/16	Projected Value for FY 16/17
	Reports.	(6 months) from date of presentation of Report to Parliament by PAC during the year.						
	Early disposal of pending ATNs on Audit Paras of C&AG Reports presented to Parliament before 31.3.2014.	Percentage of outstanding ATNs disposed off during the year.	%	90	90	90	90	90
	Early disposal of pending ATRs on PAC Reports presented to Parliament before 31.3.2014	Percentage of outstanding ATRS disposed off during the year.	%	--	--	90	90	90

\* Mandatory Objective(s)

## Section 4: Acronym

Sl.No	Acronym	Description
1	ART	Assisted Reproductive Technology
2	BSL	Bio-safety Level
3	CHC	Community Health Centre
4	CSIR	Council of Scientific and Industrial Research
5	DAE	Department of Atomic Energy
6	DARE	Department of Agriculture Research and Education

## Section 4: Acronym

Sl.No	Acronym	Description
7	DBT	Department of Bio-technology
8	DDRD	Department of Defense Research and Development
9	DHR	Department of Health Research
10	DSIR	Department of Scientific and Industrial Research
11	DST	Department of Science and Technology
12	ICMR	Indian Council of Medical Research

## Section 4: Acronym

Sl.No	Acronym	Description
13	KM	Knowledge Management
14	Labs	Laboratories
15	MOU	Memorandum of Understanding
16	MRHRU	Model Rural Health Research Unit
17	MRU	Multi-disciplinary Research Unit
18	NDMA	National Disaster Management Authority

## Section 4: Acronym

Sl.No	Acronym	Description
19	PCT	Patent Corporation Treaty
20	PHC	Primary Health Centre
21	PI	Principal Investigator
22	VDL	Viral Diagnostic Laboratory
23	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] Approval of Research centres/ Multi-disciplinary Research Units (MRUs)	<p>Research centres /MRUs are meant to strengthen infrastructure and research facilities in Govt Medical Colleges as there is a need to promote basic and applied research, mainly focused on non-communicable diseases, for the improvement in the health care services in the country. The concept of MRHRU is based on the experience of at Ghatampur under National Jalma Institute of Leprosy &amp; Other Mycobacterium Diseases, Agra,. It is focused to develop state/area specific models depending upon the disease profile, morbidity patterns and local conditions for transfer of the technology for providing better health care services to the rural masses.</p>		<p>Input – Proposals are invited from Govt. institutes/medical colleges through state Govt. for establishing Research Centres/ Multi-disciplinary Research unit (MRU) within the premises of Medical College and MRHRU will be established at primary health centre or community health centre.</p> <p>Activity – Proposals received are discussed in the Technical Evaluation Committee and Approval Committee of the scheme. A MOU is signed by the State Govt., Principal / Dean of the Medical College, and Department of Health Research for research centre / MRU to support the unit for Five years and later the unit will be taken over by the State Govt. However, Department will continue to give technical support for its various research</p>	New Success indicators



## 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] Approval of Research centres/ Multi-disciplinary Research Units (MRUs)	<p>Research centres /MRUs are meant to strengthen infrastructure and research facilities in Govt Medical Colleges as there is a need to promote basic and applied research, mainly focused on non-communicable diseases, for the improvement in the health care services in the country. The concept of MRHRU is based on the experience of at Ghatampur under National Jalma Institute of Leprosy &amp; Other Mycobacterium Diseases, Agra,. It is focused to develop state/area specific models depending upon the disease profile, morbidity patterns and local conditions for transfer of the technology for providing better health care services to the rural masses.</p>		<p>activities.</p> <p>For MRHRU, a MOU is signed between State Govt., Mentor ICMR Institute in that State/Nearby State and Department of DHR. The linked State Medical College would facilitate/propose the scientific activities in the MRHRU; get it reviewed by the State specific Research Advisory Committee constituted for MRHRU and procurement of equipment etc.</p> <p>Internal Output – Sanctioned letter for establishing research Centre/MRU/MRHRU is issued.</p> <p>External Output – The grant is released to the Principal / Dean of the medical college for MRU and ICMR mentor institute for MRHRU. Process of</p>	New Success indicators

## 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] Approval of Research centres/ Multi-disciplinary Research Units (MRUs)	Research centres /MRUs are meant to strengthen infrastructure and research facilities in Govt Medical Colleges as there is a need to promote basic and applied research, mainly focused on non-communicable diseases, for the improvement in the health care services in the country. The concept of MRHRU is based on the experience of at Ghatampur under National Jalma Institute of Leprosy & Other Mycobacterium Diseases, Agra,. It is focused to develop state/area specific models depending upon the disease profile, morbidity patterns and local conditions for transfer of the technology for providing better health care services to the rural masses.		procurement of equipment and research activities on local and national health priorities are initiated.  Outcome – Number of Research Centres /MRUs/ MRHRUs approved.	New Success indicators
2	[1.1.2] Multi-disciplinary Research Units made functional	As given at 1.1.1			

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
3	[1.1.3] Approval of Model Rural Health Research Units (MRHRU)	As given at 1.1.1			
4	[1.1.4] MRHRUs made functional	As given at 1.1.1			
5	[1.2.1] Concept Research proposals received / generated through workshops & processed within 2 months	Concept Research proposals received online from various stake holders/research institutions (PIs) throughout the year in cutting edge areas of health research and are reviewed.		<p>Input – Concept research proposals are invited online in prescribed format from various research institutions /stakeholders by advertisement on website of DHR and ICMR as well as in the leading newspapers on various topics of health research.</p> <p>Activity – The concept proposals are screened objectively by the screening committee within a period of two month.</p> <p>Internal Output – shortlisted/recommended</p>	New Success indicator

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
5	[1.2.1] Concept Research proposals received / generated through workshops & processed within 2 months	Concept Research proposals received online from various stakeholders/research institutions (PIs) throughout the year in cutting edge areas of health research and are reviewed.		<p>projects are identified.</p> <p>External Output – Full length proposals are invited and submitted by principal investigators whose projects are shortlisted/recommended as a concept.</p> <p>Outcome- Full length proposals received in a defined period.</p>	New Success indicator
6	[1.2.2] Detailed project proposals processed and disposed off within 9 months	Detailed proposals, as approved at [1.2.1] are received from the stakeholders / PIs and reviewed by project review committee. (PRC)/Technical Evaluation Committee (TEC).		<p>Input – Detailed proposals received online as well as hard copies in prescribed format.</p> <p>Activity – The detailed proposals are reviewed by subject specific Project Review Committee/Technical Evaluation Committee and the recommended proposals are processed for completing statutory Codal formalities followed by financial concurrence.</p> <p>Internal Output –</p>	New Success indicator

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
6	[1.2.2] Detailed project proposals processed and disposed off within 9 months	Detailed proposals, as approved at [1.2.1] are received from the stakeholders / PIs and reviewed by project review committee. (PRC)/Technical Evaluation Committee (TEC).		<p>Communication of acceptance of detailed proposal is sent to respective investigators online.</p> <p>External Output – Sanctioned letters issued to PIs</p> <p>Outcome – Initiation of the research activities after the release of grant.</p>	New Success indicator
7	[1.2.3] Projects completed on time	Each research proposal is having a stipulated duration. The stakeholders/ PIs are told to complete their work with in sanctioned study duration.		<p>Input – The progress of the work is reviewed and monitored periodically by the concerned Project Review Committee.</p> <p>Activity – The projects are monitored as per objectives laid down in the proposal.</p> <p>Internal Output –Progress of the project is reviewed for continuance and for satisfactory output.</p> <p>External Output – Number of projects completed as</p>	Modified Success indicator

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
7	[1.2.3] Projects completed on time	Each research proposal is having a stipulated duration. The stakeholders/ PIs are told to complete their work with in sanctioned study duration.		per their objectives and sanctioned study duration.  Outcome – final report submitted in time.	Modified Success indicator
8	[1.2.4] Research papers published in indexed journals	Research papers published in indexed journals on the basis of the work carried out by the scientists.		Input – Investigators/Sr. Research Fellows prepare their manuscript froml projects funded by ICMR/DHR  Activity: Manuscripts are submitted in indexed journals and revised as per the comments of the referees  Output: Number of papers published in the year from the projects funded by ICMR/DHR  Outcome- Dissemination /Addition to new knowledge in the related discipline.	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
9	[1.2.5] Research papers presented in National & International Conferences / Seminars from projects funded by Department	Work carried out in laboratories is presented to the scientific fraternity for dissemination.		<p>Input –Investigators/Sr. Research Fellows prepare the paper to be presented in National &amp; International Conferences / Seminars from projects funded by ICMR/DHR</p> <p>Activity: The papers are accepted for presenting their work in Conferences</p> <p>Output: Number of papers presented</p> <p>Outcome- Dissemination /Addition to new knowledge in the related discipline.</p>	New Success indicator
10	[1.3.1] Finalisation of new MOUs for joint research projects	It is proposed to collaborate with States/UTs and other stakeholders for evolving joint research projects specific to each state and to provide them knowledge/technical support to improve healthcare of the people in states.		<p>Input – The research priorities for each State are identified in consultation with State Health Departments and other stakeholders. The brainstorming sessions are held to identify various research activities under collaborative research proposals. The joint research projects are</p>	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
10	[1.3.1] Finalisation of new MOUs for joint research projects	It is proposed to collaborate with States/UTs and other stakeholders for evolving joint research projects specific to each state and to provide them knowledge/technical support to improve healthcare of the people in states.		<p>obtained and examined.</p> <p>Activity – The joint research projects are peer reviewed and the comments received are communicated to PI. The revised research projects are discussed in PRC/Technical Evaluation Committee 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.</p> <p>Internal Output – The MOU between the Department and the State is signed. The necessary instructions are issued to sanction the joint research proposals as approved.</p> <p>External Output- The grant is released and the collaborative project is made functional.</p>	



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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
10	[1.3.1] Finalisation of new MOUs for joint research projects	It is proposed to collaborate with States/UTs and other stakeholders for evolving joint research projects specific to each state and to provide them knowledge/technical support to improve healthcare of the people in states.		Outcome – Number of MOUs signed and the projects sanctioned.	
11	[1.3.2] Launching of new projects in uncovered states / backward areas excluding the tribals and marginalized areas.	New research projects based on area specific needs will be launched in identified backward areas as per approved norms.		<p>Input – Detailed proposals received online/hard copy received directly in prescribed format.</p> <p>Activity – The detailed proposals are reviewed by respective Project Review Committee, the recommended proposals are processed for various scientific and administrative formalities. The proposals that need modification, as per the suggestion of the Project Review Committee, are sent back to investigators for needful action. The revised proposals are again reviewed by PRC in the light of previous recommendations and</p>	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
11	[1.3.2] Launching of new projects in uncovered states / backward areas excluding the tribals and marginalized areas.	New research projects based on area specific needs will be launched in identified backward areas as per approved norms.		<p>either reject or approve it..</p> <p>Internal Output – The proposals are sent to respective division for completing statutory Codal formalities</p> <p>External Output – Health Needs of the people from the backward areas will be identified and addressed</p> <p>Outcome – Commencement of the research activities in identifies backward areas.</p>	
12	[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 increase the strength of health researchers in the country and equip them to carry out research in emerging medical areas.		<p>Input - Applications from the biomedical/medical and health research scientists are invited through the web of the department as well in leading national/ regional newspapers.</p> <p>Activity - The applications are screened by the internal experts and peer reviewed by different</p>	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
12	[1.4.1] Persons trained	<p>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 increase the strength of health researchers in the country and equip them to carry out research in emerging medical areas.</p>		<p>experts through designated committees constituted for this purposes.</p> <p>Internal Output - The proposal is processed for seeking approval of the competent authority.</p> <p>External Output - Sanction letter for fellowships to the scientist for appropriate training is issued after fulfilling the relevant administrative formalities.</p> <p>Outcome - Number of scientists/health researchers are added/ trained in a year in various areas to strengthen the gap and provide researchers/ expertise to the medical colleges to carry out research in advance biomedical areas.</p>	

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
13	[1.4.2] Trained Persons submitting projects	<p>The persons are trained with the objectives that they will carry out research activities in their institute in identified priority areas after completion of training through sanction of projects.</p> <p>Projects submitted are screened by an expert committee and approved</p>		<p>Input- The trained persons submit research proposals in the given format.</p> <p>Activity- Proposals are screened by the Experts/PRC/TEC</p> <p>Internal output- Approved projects are funded</p> <p>External output- Research activities will be carried out in peripheral medical colleges and research Institutes</p> <p>Outcome – Increased availability of trained manpower in identified priority areas of health research and to work in cutting edge areas.</p>	
14	[1.4.3] Projects approved	As given at 1.4.2			

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
15	[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.		<p>Input - Research proposals related to women health are invited through the advertisement on the website of the Department as well in leading national/ regional newspapers.</p> <p>Activity - Project proposals related to women health are peer reviewed and based on the comments, revised proposals is received from the PI which are 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.</p> <p>Internal Output - Action is taken to issue sanction letters for the proposals approved by the Peer Review Committee or Technical Evaluation Committee by the Competent Authority.</p>	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
15	[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.		<p>External Output – Number of projects/studies submitted by the researchers.</p> <p>Outcome - Number of projects related to women health are sanctioned and the grants released.</p>	
16	[1.5.2] Projects related to tribal and marginalized areas sanctioned	New research projects in tribal and marginalized area will be launched as per local health needs		<p>Input – Detailed proposals from Tribal and marginalized areas are received online/hard copy received in prescribed format.</p> <p>Activity – The detailed proposals are reviewed by subject specific Project Review Committee and the recommended proposals are processed for completing statutory Codal formalities followed by financial concurrence.</p> <p>Internal Output – Communication of acceptance of detailed proposal is sent to</p>	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
16	[1.5.2] Projects related to tribal and marginalized areas sanctioned	New research projects in tribal and marginalized area will be launched as per local health needs		<p>respective investigators.</p> <p>External Output – Sanctioned letters issued to PIs related to Tribal and marginalized areas</p> <p>Outcome – Initiation of the research activities after the release of grant for projects in tribal and marginalized areas.</p>	
17	[1.5.3] Completion of studies related to status of malnutrition in identified blocks	ICMR/DHR would initiate interventional studies to combat malnutrition in identified districts /blocks by GOI after conducting epidemiological investigation and evidence based solution		<p>Input- surveys will be done in identified blocks/districts to identify the burden of malnutrition</p> <p>Activity: Research protocols will be developed</p> <p>Internal Output:- The cause of malnutrition will be identified</p> <p>External Output: - Area specific Intervention measures will be proposed.</p> <p>Outcome- Factors causing malnutrition in the identified blocks / areas</p>	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
17	[1.5.3] Completion of studies related to status of malnutrition in identified blocks	ICMR/DHR would initiate interventional studies to combat malnutrition in identified districts /blocks by GOI after conducting epidemiological investigation and evidence based solution		are identified.	
18	[1.5.4] Approval of interventional project/ programmes on malnutrition	Based on the burden of malnutrition in identified areas , interventional projects /programmes will be initiated.		<p>Input- Interventional Studies as project form will be formulated to address the problems related to malnutrition in identified blocks.</p> <p>Activity: Research protocols will be developed to address the problem of malnutrition in an identified area/ region.</p> <p>Internal Output:- The suitable projects would be approved to address the malnutrition in identified blocks.</p> <p>External Output:- Number of projects initiated.</p> <p>Outcome- The sustainable model of interventional strategies to combat</p>	New Success indicator



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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
18	[1.5.4] Approval of interventional project/ programmes on malnutrition	Based on the burden of malnutrition in identified areas , interventional projects /programmes will be initiated.		malnutrition is demonstrated which can be adopted for the national programme.	New Success indicator
19	[1.5.5] projects leading to change in policy intervention methods	Outcome of the projects in the area of malnutrition / women studies leading to changes in the policy or interventions measures to improve the nutrition status of the local population.		<p>Input- The new model of interventional strategies to combat malnutrition/ women health, which can be adopted for the national programme for policy change are indentified</p> <p>Activity: Disseminate the knowledge on new interventional strategies to the stakeholders/ researchers/ respective Govt.</p> <p>Internal Output:- Implementation of new strategies/guidelines by GOI to address malnutrition/women health.</p> <p>External Output- policy change developed/evolved through interventional strategies to address the</p>	New Success indicator

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
19	[1.5.5] projects leading to change in policy intervention methods	Outcome of the projects in the area of malnutrition / women studies leading to changes in the policy or interventions measures to improve the nutrition status of the local population.		malnutrition/women health in identified areas.	New Success indicator
20	[1.6.1] Approval of new schemes / specialized centre in health research	New centres in deficit and un-served areas particularly on ageing and regional health issues will be initiated		<p>Input – Expert Group to be constituted to identify the problems and frame modalities for initiating the new centre</p> <p>Activity – Based on the recommendations of the expert group appropriate documents (EFC/SFC) are prepared.</p> <p>Internal Output- Draft papers and other documents are submitted to concerned/appraisal agencies</p> <p>External Output – The documents will be revised as per the comments of the appraisal agencies. Stakeholders and State Govts are contacted</p>	Modified Success indicator

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
20	[1.6.1] Approval of new schemes / specialized centre in health research	New centres in deficit and un-served areas particularly on ageing and regional health issues will be initiated		Outcome – Approval of the Scheme.	Modified Success indicator
21	[2.1.1] New disease outbreaks successfully investigated	The country is facing outbreaks/epidemic due to known and unknown viruses and other infectious agents every year and there is a need to investigate these outbreaks.		<p>Input – The disease outbreaks/epidemics are reported to ICMR/DHR by respective State Govt.</p> <p>Activity – Investigation of outbreaks would be carried through specific research studies by related ICMR Institutes and inform the respective stakeholders.</p> <p>Internal Output: Samples collected are analysed and pathogen are identified to address the specific outbreak.</p> <p>External Output: The viral outbreak / epidemic is contained or controlled within 48 hours and knowledge is disseminated to all the stakeholders.</p> <p>Outcome: Successful</p>	

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
21	[2.1.1] New disease outbreaks successfully investigated	The country is facing outbreaks/epidemic due to known and unknown viruses and other infectious agents every year and there is a need to investigate these outbreaks.		containment of outbreak in the various parts of the country and creation of repository for the new strains.	
22	[2.1.2] Successfully investigated known pathogen within 48 hours	As given at 2.1.1			
23	[2.1.3] Development of rapid response system for diagnosis of Congo hemorrhagic fever	As given at 2.1.1			
24	[2.2.1] Approval of labs for viral and infectious diseases	There is an urgent need to establish viral research and diagnostic laboratories at regional, state and medical college levels to investigate the outbreaks at the earliest and carry out research work for evolving strategies for containment. DHR plans to establish a network of laboratories at regional, State and Medical college level infectious diseases/viral laboratories to tackle the		<p>Input – Proposals are invited from Govt. institutes/medical colleges through state Govt. for establishing Viral Research and Diagnostic Laboratory at regional, state and medical college level.</p> <p>Activity – Proposals received are reviewed in the Technical Evaluation Committee and Approval Committee for final</p>	New Success indicator.

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
24	[2.2.1] Approval of labs for viral and infectious diseases	problems of viral outbreaks and epidemics.		<p>approval based on Geographic pattern.</p> <p>Internal Output – Sanctioned letter for establishing VDL is issued and MoU is signed. Research activities are carried out to develop and validate the new diagnostic kits and vaccines.</p> <p>External Output – The grant is released to the Principal/Dean of the medical college/ institute and process of procurement of equipment and research activities on local and national health priorities are initiated. Remedial measures to contain the viral epidemic / outbreak are suggested to health administrators.</p> <p>Outcome – Number of VDL approved and commissioned. New diagnostic kits/vaccines developed, evaluated and launched for industrial</p>	New Success indicator.

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
24	[2.2.1] Approval of labs for viral and infectious diseases	There is an urgent need to establish viral research and diagnostic laboratories at regional, state and medical college levels to investigate the outbreaks at the earliest and carry out research work for evolving strategies for containment. DHR plans to establish a network of laboratories at regional, State and Medical college level infectious diseases/viral laboratories to tackle the problems of viral outbreaks and epidemics.		production.	New Success indicator.
25	[2.2.2] Viral/ infectious disease research laboratories Commissioned from those approved upto 31.03.2014	As given at 2.2.1			
26	[2.3.1] Diagnostic kits , vaccines developed	As given at 2.2.1			

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
27	[2.3.3] Initiating trials with new regimen(s) for drug resistant infections	The country is facing challenges of many drug resistance infections. Presently, multiple-drug resistance (MDR) Pulmonary Tuberculosis is also big problem in the country. The Department plans to conduct trial(s) in this regard with new regimen(s) developed by any stakeholder /institute		<p>Input- The suitable new drug / molecule against multiple-drug resistance (MDR) pulmonary tuberculosis as well as other multi drug resistance will be identified by the expert committee.</p> <p>Activity- The site of the trial will be identified and a protocol of the drug trial will be developed.</p> <p>Internal output- The drug trials will be carried out and the efficacy of new regimen(s) will be evaluated by the expert committee.</p> <p>External output- The drug / molecule will be recommended for inclusion of the Guidelines for the management of diseases..</p> <p>Outcome- The new drugs against resistant infections prevalent in the country are introduced to improve public health services.</p>	

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
28	[3.1.1] Disposal within 4 months of applications for recognition	Research activities related to Health research are carried out by many private / non-government organizations in the country. Most of these research institutes seek support/ funds from the governmental organizations like, ICMR, DBT/DSIR etc. At present there is no government organization to evaluate the research capabilities of institute engaged in areas such as epidemiology, public health, socio-behavioural research, health system etc. Hence the Department will be evaluating these organizations on line of the procedures adopted in Department of Scientific and industrial Research for scientific and industrial units.		<p>Input: The applications will be invited in the prescribed format from various private institutes/ organizations working in areas of health research.</p> <p>Activity: The various research proposals obtained against the call for application will be reviewed and revised based upon the comments of Expert Committee.</p> <p>Internal Output: Proposals fulfilling the laid down criteria will be identified and the approved proposals are given necessary sanction/ certification.</p> <p>External Output: The certificate or registration's number will be issued.</p> <p>Outcome: The private research institute /NGOs are given recognition to be research organization in the area of health</p>	



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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
28	[3.1.1] Disposal within 4 months of applications for recognition	Research activities related to Health research are carried out by many private / non-government organizations in the country. Most of these research institutes seek support/ funds from the governmental organizations like, ICMR, DBT/DSIR etc. At present there is no government organization to evaluate the research capabilities of institute engaged in areas such as epidemiology, public health, socio-behavioural research, health system etc. Hence the Department will be evaluating these organizations on line of the procedures adopted in Department of Scientific and industrial Research for scientific and industrial units.		research.	
29	[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 them to improve the knowledge in the area of bio medical research. In this regard, knowledge management policy was		Input: To prepare guidelines for identifying projects on Knowledge management using National Knowledge Network (NKN).  Activity: The various research proposals obtained are reviewed and	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
29	[3.2.1] Sanction of model projects for implementing the KM policy	developed and approved by Government of India in October, 2012. It is proposed to establish the various mechanisms for its implementation in this year.		<p>revised based upon the comments of PRC meeting.</p> <p>Internal Output: Proposals in collaboration with NKN are identified and the approved proposals are sanctioned.</p> <p>External Output: The funds are released for approved projects.</p> <p>Outcome: The knowledge generated from these projects is shared among various stakeholders and is widely disseminated through workshops/conferences.</p>	
30	[3.3.1] Submission of draft Bill to Cabinet	The draft bills on assisted reproductive technology (ART), alternate system of medicine and on research involving on Human Subjects are need of the hour of the country. DHR/ ICMR is working on the draft bills in consultation with various stakeholders.		<p>Inputs- The draft bill prepared in consultations with various organization.</p> <p>Activity- To get the comments of the various stakeholders on the revised draft and put up for approval of Ministry of Law.</p> <p>Internal output- The</p>	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
30	[3.3.1] Submission of draft Bill to Cabinet	The draft bills on assisted reproductive technology (ART), alternate system of medicine and on research involving on Human Subjects are need of the hour of the country. DHR/ ICMR is working on the draft bills in consultation with various stakeholders.		<p>revised draft is prepared by including the comments and observations of various stakeholders especially from ministry of Health &amp; Family Welfare and Ministry of Law and Justice.</p> <p>External output: The draft bill is prepared and sent to ministry of Law for approval of the Cabinet.</p> <p>Outcome- The many medical, ethical and legal aspects use/development of related to assisted reproductive technologies alternate system of medicine and research involving on Human Subjects are properly addressed at national level to finalize the bills for cabinet decision.</p>	

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Sl.No	Success indicator	Description	Definition	Measurement	General Comments
31	[3.4.1] Submission of draft Bill to Cabinet	As given at 3.3.1			
32	[3.5.1] Submission of draft Bill to Cabinet	As given at 3.3.1			
33	[4.1.1] Products/processes on which evaluation trials completed	<p>The main aim of the Department is to bring new technology, drug, lead etc. to public health use through innovation, research and validation.</p> <p>The department also work in close co-ordinations with other stakeholders like, DST, DBT, DDRD, DSIR etc. to identify such potential trials are needed so that these can be used in public health services.</p>		<p>Inputs- The application from institutes /organizations who have developed potential products/ process/ kits etc. will be invited by advertisement in national newspapers and web portal of DHR/ ICMR.</p> <p>Activity- The applications will be evaluated by the Technical Evaluation Committee of DHR to identify such products/ process/ kits etc. for evaluation trial.</p> <p>Internal output- The institute will carry out the</p>	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
33	[4.1.1] Products/processes on which evaluation trials completed	The main aim of the Department is to bring new technology, drug, lead etc. to public health use through innovation, research and validation. The department also work in close co-ordinations with other stakeholders like, DST, DBT, DDRD, DSIR etc. to identify such potential trials are needed so that these can be used in public health services.		<p>evaluation trials.</p> <p>External outcome- Based on the successful trials promising product / process will be made available through commercialization.</p> <p>Outcome- the technology of product thus developed will be transferred for commercialization.</p>	
34	[4.1.2] Commercialization of diagnostic kits/processes	As given at 4.1.1			
35	[4.1.3] Filing of applications under PCT	The new knowledge /technology/ process/ product developed need to be patented to avoid being exploited by other agencies/ commercial organizations.		<p>Inputs- The health researchers are encouraged to file patents for new inventions developed during their research work.</p> <p>Activity- The DHR will identify such new leads/targets/technology/ products and support such scientists financially and</p>	

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
35	[4.1.3] Filing of applications under PCT	The new knowledge /technology/ process/ product developed need to be patented to avoid being exploited by other agencies/ commercial organizations.		<p>technically to file the PCT.</p> <p>Internal output- Safeguard of intellectual property rights and the interest of the scientists.</p> <p>External output- The number of PCT applications filed. Outcome- The intellectual property right and interests of scientist are safeguarded in national interests.</p>	
36	[4.1.4] Filing of new applications for patents	The new knowledge /technology/ product developed need to be patented to avoid being exploited by other agencies/ commercial organizations.		<p>Inputs- The health researchers are encouraged to file patents for new technologies/ leads/ targets/ molecules/ products developed by them.</p> <p>Activity- The DHR will identify such new technology/ process/ product and support such scientist to file the patent.</p> <p>Internal output- Safeguard of intellectual property</p>	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
36	[4.1.4] Filing of new applications for patents	The new knowledge /technology/ product developed need to be patented to avoid being exploited by other agencies/ commercial organizations.		<p>right in interest of the scientists and organization.</p> <p>External output- The number of patent applications filed. Outcome- The intellectual property right and interests of scientist are safeguarded in national interests.</p>	
37	[4.2.1] Approval of new joint translational projects	<p>The main aim of the Department is to bring new technology, drug, lead etc. to public health use through innovation, research and validation.</p> <p>The department also work in close co-ordinations with other stakeholders like, DST, DBT, DDRD, DSIR etc. to identify such potential leads identified them and to develop these leads into product/ process / kits etc. so that these can be used in public health services. The development of lead to a product requires a multidimensional approach. The work is carried out in team efforts. Hence the joint translational projects are planned and executed.</p>		<p>Inputs- The application from other stakeholders like leads from projects funded DST, DBT, DSIR, DDR&amp;D, DARE, etc. are invited to undertake joint translational projects.</p> <p>Activity- The joint research proposals will be evaluated by the Technical Evaluation Committee for approval.</p> <p>Internal Output: The part of the project to be carried out by each institute/ department is identified.</p> <p>External Output: The joint translational project</p>	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
37	[4.2.1] Approval of new joint translational projects	<p>The main aim of the Department is to bring new technology, drug, lead etc. to public health use through innovation, research and validation.</p> <p>The department also work in close co-ordinations with other stakeholders like, DST, DBT, DDRD, DSIR etc. to identify such potential leads identified them and to develop these leads into product/ process / kits etc. so that these can be used in public health services. The development of lead to a product requires a multidimensional approach. The work is carried out in team efforts. Hence the joint translational projects are planned and executed.</p>		<p>involving the different stakeholder is sanctioned.</p> <p>Outcome: The product/process of public health importance generated by the different organizations are evaluated and commercialized.</p>	
38	[4.2.2] Funding of joint projects	As given at 4.2.1			
39	[5.1.1] Scientists selected	To accelerate International cooperation in medical and health research areas DHR collaborates with the various Asian, African and Western countries where expertise available through international		<p>Inputs: The applications are invited from interested researchers/ faculty of medical colleges through web portal to participate in international conferences</p>	



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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
39	[5.1.1] Scientists selected	research programmes/ projects under bilateral and multilateral arrangements, signing of MOUs and participation in the joint evaluation of projects., training through exchange visit or holding international conferences, Over the years this activity has increased 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.		<p>/workshops for sharing the research experiences and learning from international research community.</p> <p>Activity: The applications are reviewed by an expert group for selection of suitable candidates.</p> <p>Internal output: The selected candidates are informed through formal letter.</p> <p>External output: Availability of trained scientists to take up research projects in the emerging area of medial and biomedical research. A report of the sharing their research findings and discussion held with the international fellows is received and posted on the website.</p> <p>Outcome: This activity has increased the availability of trained manpower for</p>	

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
39	[5.1.1] Scientists selected	To accelerate International cooperation in medical and health research areas DHR collaborates with the various Asian, African and Western countries where expertise available through international research programmes/ projects under bilateral and multilateral arrangements, signing of MOUs and participation in the joint evaluation of projects., training through exchange visit or holding international conferences, Over the years this activity has increased 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.		carrying out research in emerging areas of medical research.	
40	[5.1.2] Placements of participant's report on website	As given at 5.1.1			

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
41	[5.2.1] International conferences organized	<p>To accelerate International cooperation in medical and health research areas DHR collaborates with the various Asian, African and Western countries where expertise available through international research programmes/ projects under bilateral and multilateral arrangements, signing of MOUs and participation in the joint evaluation of projects., training through exchange visit or holding international conferences, Over the years this activity has increased 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.</p>		<p>Input- The need to organize international conference are identified either during the discussions held during activities at [5.1.1] or by the scientific institutes of DHR.</p> <p>Activity- The organizations and the resource persons / institutes are identified.</p> <p>Internal output- The detailed programme of the conference is prepared and the participants are invited.</p> <p>External output- The internal conference is organized. The scientific knowledge is exchanged on the identified topics.</p> <p>Outcome- The recommendations of the conference are disseminated to various stakeholders.</p>	

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
42	[5.3.1] International research programmes 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.		<p>Input: To liaise with various Asian, African, European and Western countries to identify research programmes where there is a gap in knowledge technology.</p> <p>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.</p> <p>Internal output: To hold meetings with the various countries experts and finalize the research programmes and MOUs.</p> <p>External outputs: To generate knowledge for our country in the newer emerging areas in the biomedical research.</p> <p>Outcome: Availability of trained research scientists</p>	

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
42	[5.3.1] International research programmes 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.		<p>who can expedite development of new products including clinical trials.</p> <p>Measurement of Qualitative aspects: Exponential increase in research funding in this area indicates the advantage gained to take up biomedical research in emerging areas.</p>	
43	[5.4.1] Signing of MOUs	Bilateral or multi-lateral Memorandum of Understanding are signed in the mutually beneficial areas to enhance the internal cooperation.		<p>Inputs- The research activities of mutual interest in priority areas of health research are identifies during activities at [5.3.1] and [5.3.2]</p> <p>Activities- The details of the mutual activities to be carried out by each stakeholder or participant are identified.</p> <p>Internal output- The draft MOUs is prepared and Improved further through exchange of drafts and discussions.</p>	

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
43	[5.4.1] Signing of MOUs	Bilateral or multi-lateral Memorandum of Understanding are signed in the mutually beneficial areas to enhance the internal cooperation.		<p>External output- The final draft is prepared and requisite Govt. approvals are obtained.</p> <p>Outcome- The MOU is signed and international cooperation is increased.</p>	

## 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 draft Bill to Cabinet	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 in consultation DHR.	There is a requirement for recognition/implementation KM & other bills 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 improved research governance shall be delayed.
				[3.4.1] Submission of draft Bill to Cabinet	To collaborate with various organization dealing with medical research and establish mechanism for granting recognition of health research institutes, implementation of knowledge management policy,	There is a requirement for recognition/implementation KM & other bills 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 improved research governance shall 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.
				[3.4.1] Submission of draft Bill to Cabinet	approval of cabinet regarding Law for Assisted Reproductive Technique and regulations for carrying out clinical trials on human subjects in consultation DHR.	There is a requirement for recognition/implementation KM & other bills 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 improved research governance shall be delayed.
				[3.5.1] Submission of draft Bill to Cabinet	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 in consultation DHR.	There is a requirement for recognition/implementation KM & other bills 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 improved research governance shall be delayed.
				[5.1.1] Scientists selected	DHR - endeavour is to collaborate with	International Collaboration is necessary to develop	Under this arrangements it is	If this requirement is not met there will be



## 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.
				[5.1.1] Scientists selected	the Asian, African, European and Western Countries through collaborative projects under bilateral and multilateral arrangements to generate synergy and equip Indian medical scientists to work in emerging areas of biomedical research	trained manpower and work in newly emerging areas of biomedical research by utilizing the joint expertise in the area of medical research	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	delay to work in newer and emerging areas of health research and delay in providing modern products and processes for modern health care facility
				[5.1.2] Placements of participant's report on website	DHR - endeavour is to collaborate with the Asian, African, European and Western Countries through collaborative projects under bilateral and multilateral arrangements to generate synergy 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
				[5.2.1] International conferences	DHR - endeavour is to collaborate with	International Collaboration is necessary to develop	Under this arrangements it is	If this requirement is not met there will be

## 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.
				organized	the Asian, African, European and Western Countries through collaborative projects under bilateral and multilateral arrangements to generate synergy and equip Indian medical scientists to work in emerging areas of biomedical research	trained manpower and work in newly emerging areas of biomedical research by utilizing the joint expertise in the area of medical research	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	delay to work in newer and emerging areas of health research and delay in providing modern products and processes for modern health care facility
				[5.3.1] International research programmes undertaken under bilateral or multilateral arrangements	DHR - endeavour is to collaborate with the Asian, African, European and Western Countries through collaborative projects under bilateral and multilateral arrangements to generate synergy 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
				[5.4.1] Signing of MOUs	DHR - endeavour is to collaborate with	International Collaboration is necessary to develop	Under this arrangements it is	If this requirement is not met there will be

## 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.
				[5.4.1] Signing of MOUs	the Asian, African, European and Western Countries through collaborative projects under bilateral and multilateral arrangements to generate synergy and equip Indian medical scientists to work in emerging areas of biomedical research	trained manpower and work in newly emerging areas of biomedical research by utilizing the joint expertise in the area of medical research	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	delay to work in newer and emerging areas of health research and delay in providing modern products and processes for modern health care facility
				[4.1.1] Products/processes on which evaluation trials completed	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
				[4.1.2] Commercialization of diagnostic kits/processes	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
				[4.1.3] Filing of applications under PCT	DHR - will collaborate with various agencies to convert research	There is a need to develop newer products, processes and patents to convert research leads into	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

## 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.
				[4.1.3] Filing of applications under PCT	outcomes into products, process and patents	products, processes to provide modern health care facilities to population	Efforts will be made to develop atleast 15 products, processes or patents	providing health care facilities
				[4.1.4] Filing of new applications for patents	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
				[4.2.1] Approval of new joint translational projects	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
				[4.2.2] Funding of joint projects	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
				[2.1.1] New disease outbreaks successfully investigated	DHR to focus research in areas identify by NCDC and EMR surveillance mechanism and establish data bank on various strains	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.
				[2.1.1] New disease outbreaks successfully investigated	for containment of 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
				[2.2.1] Approval of labs for viral and infectious diseases	DHR to focus research in areas identify by NCDC and EMR surveillance mechanism and establish data bank on various strains for containment of 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
				[2.2.2] Viral/ infectious disease research laboratories Commissioned from	DHR to focus research in areas identify by NCDC and EMR	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	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.
				those approved upto 31.03.2014	surveillance mechanism and establish data bank on various strains for containment of 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	bound manner	The epidemics will spread and will lead to increase morbidity and mortality
				[2.3.1] Diagnostic kits , vaccines developed	DHR to focus research in areas identify by NCDC and EMR surveillance mechanism and establish data bank on various strains for containment of 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

## 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.
				[2.3.2] Diagnostic kits, vaccines evaluated	DHR to focus research in areas identify by NCDC and EMR surveillance mechanism and establish data bank on various strains for containment of 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 AYUSH	[1.3.1] Finalisation of new MOUs for 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 MOUs for joint research projects	To carry out research activities on Epidemiology, Management,	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

## 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 AIDS Control	[1.3.1] Finalisation of new MOUs for joint research projects	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 Agricultural Research and Education	[1.3.1] Finalisation of new MOUs for joint research projects	To carry out research projects on food, safety, zoonosis, pesticide, indigenous food items served to different people 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 women health	Collaborative research projects related women health	There is a lack of research activity related to women health in order to generate 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	[1.6.1] Approval of new schemes / specialized centre in health research	Formal approval of the new schemes requiring prepare of EFC/SFC paper and sanction of 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
			Ministry of Law and Justice	[3.3.1] Submission of draft Bill to Cabinet	After circulation among stakeholders, the final bill is submitted for legal opinion	Mandatory requirement before submission of the bill to Cabinet	Approval of the draft bill before submission to Parliament	The Legislation on the health research area is delayed and governance may be affected.
				[3.4.1] Submission of draft Bill to Cabinet	After circulation among	Mandatory requirement before submission of the bill	Approval of the draft bill before submission	The Legislation on the health research area is



## 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.
				[3.4.1] Submission of draft Bill to Cabinet	stakeholders, the final bill is submitted for legal opinion	to Cabinet	to Parliament	delayed and governance may be affected.
				[3.5.1] Submission of draft Bill to Cabinet	After circulation among stakeholders, the final bill is submitted for legal opinion	Mandatory requirement before submission of the bill to Cabinet	Approval of the draft bill before submission to Parliament	The Legislation on the health research area is delayed and governance may be affected.
		others	Others	[1.2.1] Concept Research proposals received / generated through workshops & processed within 2 months	To screen and approve the proposals through PRC	ICMR is the nodal agency and competent to sanction intramural and extramural projects with the approval of DG, ICMR	To approve No. of projects as projected under Section-II	Research outcome for tackling emerging diseases
				[1.2.2] Detailed project proposals processed and disposed off within 9 months	To screen and approve the proposals through PRC	ICMR is the nodal agency and competent to sanction intramural and extramural projects with the approval of DG, ICMR	To approve No. of projects as projected under Section-II	Research outcome for tackling emerging diseases

## 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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17
1 Increased translation of research findings into products and processes for public use.	Department of Health Research and other stakeholders involved in the Translation projects	[4.1.1] Products/processes on which evaluation trials completed	No.			10	12	12
2 Number of PCT applications filed	Department of Health Research	[4.1.3] Filing of applications under PCT	No.			12	15	15
3 Number of patent applications filed.	Department of Health Research	[4.1.4] Filing of new applications for patents	No.	20		18	20	20
4 Number of research papers published.	Department of Health Research	[1.2.4] Research papers published in indexed journals	No.	650		800	800	850
5 Increase in the number of active researchers in the field of health research.	Department of Health Research	[1.4.1] Persons trained	No.	130		300	350	400
6 Preventive action taken to control outbreak of diseases.	Department of Health Research	[2.1.1] New disease outbreaks successfully investigated	No.			80	80	80
7 Measures that lead to cost savings or reduction in out-of-pocket expenses of society.	Department of Health Research	[4.1.2] Commercialization of diagnostic kits/processes	No.			10	10	10
8 Number of new vaccines/medicines developed.	Department of Health Research	[2.3.1] Diagnostic kits, vaccines developed	No.			1	2	2