



Government of India

R F D

(Results-Framework Document)
for

Central Council for Research in Ayurvedic
Sciences (CCRAS)

(2014-2015)

Section 1: Vision, Mission, Objectives and Functions

Vision

"To strive for excellence and global leadership in the field of Ayurveda by comprehensive research for quality assured and cost effective products to prevent/ manage/ cure various disease".

Mission

To develop CCRAS into a dynamic, vibrant, and model research organization for undertaking, coordinating, aiding, and promoting research in Ayurveda. To bring-up modern scientific knowledge, technology to explore Ayurveda scientific treasure following prevalent scientific methods. To attain global leadership in research for treatment and prevention of emerging important life style related disease and health requirement.

Objectives

- 1 Clinical Research for safety and efficacy evaluation of Ayurvedic Pharmacopoeial formulations and other Drugs and Approaches in identified diseases /conditions.
- 2 Medico Ethno Botanical Survey, Cultivation and Pharmacognostical studies.
- 3 Standardization and quality control of single drugs and compound formulations.
- 4 Experimental studies to establish safety profile of Ayurvedic drugs/ formulations.
- 5 Tribal Health Care Research Programme including documentation of Local Health Traditions/ folk claims.
- 6 Retrieval and revival of Ayurvedic texts from ancient manuscripts and publication of journals, monographs, books, technical reports, Information, Education and Communication material (IEC) and patent etc.

Functions

- 1 To coordinate, aid, promote and collaborate research with different units of CCRAS and other sister Councils/ Organizations.
- 2 To undertake scientific research in Ayurveda in a time bound, and cost-effective manner.
- 3 To strengthen the infrastructure, manpower, laboratories etc. wherever necessary.
- 4 To collaborate with various Ayurvedic/medical and other related organizations to implement different research projects.
- 5 To create awareness and to promote competitiveness, excellence and innovation among the researchers in the field of Ayurveda.
- 6 To conduct seminars, workshops on research related topics.
- 7 To strengthen human resource by involving scientific staff in different training/orientation programs, seminars,

Section 1: Vision, Mission, Objectives and Functions

workshops, conferences etc.

- 8 To implement all the research projects through peripheral institutes /collaborative centres followed by monitoring.
- 9 Retrieval and revival of Ayurvedic texts from ancient manuscripts and publication of journals, monographs, books, technical reports etc.
- 10 To conduct study on tribal health and collection of folklore claims.

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] Clinical Research for safety and efficacy evaluation of Ayurvedic Pharmacopoeial formulations and other Drugs and Approaches in identified diseases /conditions.	47.00	[1.1] Evaluation of Clinical safety and Efficacy through clinical trials adopting integrated protocols.	[1.1.1] No. of Projects to be initiated	No.	25.00	10	9	8	7	6
			[1.1.2] No. of projects to be completed	No.	5.00	5	4	3	2	1
		[1.2] Validation of classical drugs/therapies.	[1.2.1] No. of drugs/therapies to be validated	No.	17.00	17	15	13	12	10
[2] Medico Ethno Botanical Survey, Cultivation and Pharmacognostical studies.	10.00	[2.1] • Preparation and maintenance of Herbaria and Crude drug samples for authentication / comparison. • Documentation of Folk claims/Ethno-Medical Claims	[2.1.1] No. of Medico Ethno Botanical Survey tours to be conducted.	No.	2.00	20	18	16	14	12
			[2.2] Demonstrative cultivation of Medicinal plants.	[2.2.1] No. of species to be added.	No.	2.00	40	36	32	28
		[2.3] Projects under Pharmacognostical studies.	[2.3.1] No. of projects to be initiated	No.	1.00	2	1.8	1.6	1.4	1.2
		[2.4] IMR Medicinal Plant Research Projects.	[2.4.1] No. of projects to be initiated	No.	4.00	7	6	5	4	3
			[2.4.2] No. of projects to be completed	No.	1.00	1	0.9	0.8	0.7	0.6
[3] Standardization and quality control of single drugs and compound formulations.	10.00	[3.1] • To establish shelf life of various Ayurvedic dosage forms. • To standardize method of preparation of	[3.1.1] Initiation of number of Research projects.	No.	10.00	6	5	4	3	1

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%
		formulation. • Comparative Phyto-chemical study of various parts of Ayurvedic plant drugs.								
[4] Experimental studies to establish safety profile of Ayurvedic drugs/ formulations.	10.00	[4.1] Safety evaluation of Ayurvedic drugs/ formulations.	[4.1.1] No. of Ayurvedic drugs/ formulations for safety evaluation studies to be initiated /conducted.	No.	6.00	6	5	4	3	2
			[4.1.2] No. of projects to be completed	No.	2.00	3	2.7	2.4	2.1	1.8
		[4.2] Validation of classical drugs.	[4.2.1] No. of drugs to be validated.	No.	2.00	3	2.7	2.4	2.1	1.8
[5] Tribal Health Care Research Programme including documentation of Local Health Traditions/ folk claims.	2.00	[5.1] • Documentation of folk claims and Local Health Traditions. • Providing medical aid covering population in tribal areas.	[5.1.1] No. of claims	No.	1.00	50	45	40	35	30
			[5.1.2] Population covered.	No.	1.00	18500	16650	14800	12950	11100
[6] Retrieval and revival of Ayurvedic texts from ancient manuscripts and publication of journals, monographs, books, technical reports, Information, Education and Communication material (IEC) and patent etc.	8.00	[6.1] • Translation and Transliteration of manuscripts & Rare books. • Documentation of Monographs and Technical Reports Catalogues etc. • Publication of journals/Books/	[6.1.1] No. of publications.	No.	3.00	8	7	6	5	4

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

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
		monographs/ technical reports etc.								
		[6.2] Literary Research projects.	[6.2.1] No. of Projects to be initiated	No.	2.50	4	3.6	3.2	2.8	2.4
			[6.2.2] No. of projects to be completed	No.	1.00	5	4	3	2	1
		[6.3] Patent applications filed.	[6.3.1] No. of patent filed.	No.	1.00	3	2.7	2.4	2.1	1.8
		[6.4] Patents commercialized.	[6.4.1] No. of patent commercialized.	No.	0.50	1	0.9	0.8	0.7	0.6
* Efficient Functioning of the RFD System	3.00	Timely submission of Draft RFD for 2014-2015 for Approval	On-time submission	Date	2.0	15/05/2014	16/05/2014	19/05/2014	20/05/2014	21/05/2014
		Timely submission of Results for 2013-2014	On-time submission	Date	1.0	01/05/2014	02/05/2014	05/05/2014	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 Management (GRM) system	Degree of success in implementing GRM	%	1.0	100	95	90	85	80
* Administrative Reforms	7.00	Update organizational 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
		Implementation of agreed milestones of approved Mitigating Strategies for Reduction of potential risk of	% of Implementation	%	1.0	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%
		corruption (MSC).								
		Implementation of agreed milestones for ISO 9001	% of implementation	%	2.0	100	95	90	85	80
		Implementation of milestones of approved Innovation Action Plans (IAPs).	% of implementation	%	2.0	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] Clinical Research for safety and efficacy evaluation of Ayurvedic Pharmacopoeial formulations and other Drugs and Approaches in identified diseases /conditions.	[1.1] Evaluation of Clinical safety and Efficacy through clinical trials adopting integrated protocols.	[1.1.1] No. of Projects to be initiated	No.	13	5	10	17	16
		[1.1.2] No. of projects to be completed	No.	0	0	5	5	5
	[1.2] Validation of classical drugs/therapies.	[1.2.1] No. of drugs/ therapies to be validated	No.	0	0	17	12	12
[2] Medico Ethno Botanical Survey, Cultivation and Pharmacognostical studies.	[2.1] • Preparation and maintenance of Herbaria and Crude drug samples for authentication / comparison. • Documentation of Folk claims/Ethno-Medical Claims	[2.1.1] No. of Medico Ethno Botanical Survey tours to be conducted.	No.	20	20	20	20	20
	[2.2] Demonstrative cultivation of Medicinal plants.	[2.2.1] No. of species to be added.	No.	40	40	40	40	40
	[2.3] Projects under Pharmacognostical studies.	[2.3.1] No. of projects to be initiated	No.	0	0	2	2	2
	[2.4] IMR Medicinal Plant Research Projects.	[2.4.1] No. of projects to be initiated	No.	2	5	7	4	4
		[2.4.2] No. of projects to be completed	No.	0	0	1	1	1
[3] Standardization and quality control of single drugs and	[3.1] • To establish shelf life of various Ayurvedic	[3.1.1] Initiation of number of Research	No.	0	5	6	3	3

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
compound formulations.	dosage forms. • To standardize method of preparation of formulation. • Comparative Phyto-chemical study of various parts of Ayurvedic plant drugs.	projects.						
[4] Experimental studies to establish safety profile of Ayurvedic drugs/ formulations.	[4.1] Safety evaluation of Ayurvedic drugs/ formulations.	[4.1.1] No. of Ayurvedic drugs/ formulations for safety evaluation studies to be initiated /conducted.	No.	8	6	8	5	5
		[4.1.2] No. of projects to be completed	No.	0	0	3	2	2
	[4.2] Validation of classical drugs.	[4.2.1] No. of drugs to be validated.	No.	0	0	3	2	2
[5] Tribal Health Care Research Programme including documentation of Local Health Traditions/ folk claims.	[5.1] • Documentation of folk claims and Local Health Traditions. • Providing medical aid covering population in tribal areas.	[5.1.1] No. of claims	No.	50	50	50	50	50
		[5.1.2] Population covered.	No.	20000	18500	18500	18500	18500
[6] Retrieval and revival of Ayurvedic texts from ancient manuscripts and publication of journals, monographs, books, technical reports, Information, Education and Communication material (IEC) and patent etc.	[6.1] • Translation and Transliteration of manuscripts & Rare books. • Documentation of Monographs and Technical Reports Catalogues etc.	[6.1.1] No. of publications.	No.	10	8	8	8	8

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
	• Publication of journals/Books/ monographs/ technical reports etc.							
	[6.2] Literary Research projects.	[6.2.1] No. of Projects to be initiated	No.	5	3	4	4	4
		[6.2.2] No. of projects to be completed	No.	0	0	5	3	3
	[6.3] Patent applications filed.	[6.3.1] No. of patent filed.	No.	0	0	3	1	1
	[6.4] Patents commercialized.	[6.4.1] No. of patent commercialized.	No.	0	0	1	1	1
* Efficient Functioning of the RFD System	Timely submission of Draft RFD for 2014-2015 for Approval	On-time submission	Date	27/02/2012	15/05/2013	15/05/2014	15/05/2015	15/05/2016
	Timely submission of Results for 2013-2014	On-time submission	Date	01/02/2013	01/05/2014	01/05/2015	01/05/2016	01/05/2017
* 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	%	100	100	95	100	100
	Independent Audit of implementation of Grievance Redress Management (GRM) system	Degree of success in implementing GRM	%	100	100	95	100	100
* Administrative Reforms	Update organizational strategy to align with revised priorities	Date	Date	--	--	01/11/2014	01/11/2015	01/11/2016

* 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
	Implementation of agreed milestones of approved Mitigating Strategies for Reduction of potential risk of corruption (MSC).	% of Implementation	%	0	0	90	100	100
	Implementation of agreed milestones for ISO 9001	% of implementation	%	100	100	95	100	100
	Implementation of milestones of approved Innovation Action Plans (IAPs).	% of implementation	%	0	0	90	100	100

* Mandatory Objective(s)

Section 4: Acronym

Sl.No	Acronym	Description
1	CRP	The indicator of this would be initiation/ completion of clinical trials
2	ES	The indicator would be initiation/ conducting/ completion safety evaluation studies
3	MEBS	<p style="text-align: center;">Indicator of this would be the</p> <ul style="list-style-type: none"> • Successful conduct of Medico-ethno-botanical survey tour • Successful Demonstrative cultivation of Medicinal plants • Pharmacognostical studies of plants
4	RRAT-LRP	<p style="text-align: center;">The indicator of this would be the number of publications.</p> <p style="text-align: center;">The indicator of this would be the initiation/ completion of projects</p> <p style="text-align: center;">The indicator would be the no. of patent filed</p> <p style="text-align: center;">The indicator would be the no. of patent commercialized</p>
5	SQC	Standardization followed by efficient monitoring
6	THCRP	The indicator would be no. of claims collected on Local Health Traditions/folk claims and the population covered for health care benefits.

Section 4: Acronym

Sl.No	Acronym	Description
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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] No. of Projects to be initiated	The indicator of this would be initiation/ completion of clinical trials	Conduct of Clinical trials for safety and efficacy evaluation adopting integrated Protocols through clinical trials.	<p>The methodology of measuring success indicators comprise various steps</p> <ul style="list-style-type: none"> • Preparatory work including Literature survey. • Identification of Interventions • Design of trial Methodology, Protocols and development of Case Report Forms. <ul style="list-style-type: none"> • Regulatory clearances (Institutional Ethics Committee and Registration in Clinical Trial Registry of India). • Initiation of Clinical Trial. • Monitoring and evaluation. 	
2	[1.1.2] No. of projects to be completed	The indicator of this would be initiation/ completion of clinical trials	Conduct of Clinical trials for safety and efficacy evaluation adopting integrated Protocols through clinical trials.	<p>The methodology of measuring success indicators comprise various steps</p> <ul style="list-style-type: none"> • Preparatory work including Literature survey. • Identification of Interventions • Design of trial Methodology, Protocols 	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
2	[1.1.2] No. of projects to be completed	The indicator of this would be initiation/ completion of clinical trials	Conduct of Clinical trials for safety and efficacy evaluation adopting integrated Protocols through clinical trials.	and development of Case Report Forms. <ul style="list-style-type: none"> • Regulatory clearances (Institutional Ethics Committee and Registration in Clinical Trial Registry of India). • Initiation of Clinical Trial. • Monitoring and evaluation. 	
3	[1.2.1] No. of drugs/ therapies to be validated	The indicator of this would be initiation/ completion of clinical trials	Conduct of Clinical trials for safety and efficacy evaluation adopting integrated Protocols through clinical trials.	The methodology of measuring success indicators comprise various steps <ul style="list-style-type: none"> • Preparatory work including Literature survey. • Identification of Interventions • Design of trial Methodology, Protocols and development of Case Report Forms. • Regulatory clearances (Institutional Ethics Committee and Registration in Clinical Trial Registry of India). • Initiation of Clinical Trial. • Monitoring and evaluation. 	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
4	[2.1.1] No. of Medico Ethno Botanical Survey tours to be conducted.	Successful conduct of Medico-ethno-botanical survey tour	Careful monitoring, random verification by field visit in the selected Forest areas of Karnataka, Uttar Pradesh, Assam, Meghalaya, Uttarakhand	<ul style="list-style-type: none"> • Standard methods like “Belt Transact Method” etc. followed or not in survey of Medicinal plants. • Standard procedure in the preparation of herbarium. • Folk claims to be collected in the approved format followed by validation. 	
5	[2.2.1] No. of species to be added.	Successful Demonstrative cultivation of Medicinal plants	Monitoring in the Demonstrative herbal gardens of the council viz. Tarikhet, Pune, Jhansi and Itanagar	Standard protocol for cultivation of Medicinal plants to be adopted.	
6	[2.3.1] No. of projects to be initiated	Pharmacognostical studies of plants	<ul style="list-style-type: none"> • Documentation, critical analysis and interpretation of pharmacognostical data and parameters of single medicinal plants drugs from different published resources. • Pharmacognostical evaluation of medicinal plants cited in Ayurvedic formulary of India excluding the plants mentioned in Ayurvedic pharmacopoeia of India. 	<ul style="list-style-type: none"> • No. of crude drugs collected/authenticated • No. of paper/books published 	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
7	[2.4.1] No. of projects to be initiated	<p>Indicator of this would be the</p> <ul style="list-style-type: none"> • Successful conduct of Medico-ethno-botanical survey tour • Pharmacognostical studies of plants 	<ul style="list-style-type: none"> • Careful monitoring, random verification by field visit in the selected Forest areas of Karnataka, Uttar Pradesh, Assam, Meghalaya, Uttarakhand • Documentation, critical analysis and interpretation of pharmacognostical data and parameters of single medicinal plants drugs from different published resources. • Pharmacognostical evaluation of medicinal plants cited in Ayurvedic formulary of India excluding the plants mentioned in Ayurvedic pharmacopoeia of India. 	<ul style="list-style-type: none"> • Standard methods like “Belt Transact Method” etc. followed or not in survey of Medicinal plants. • Standard procedure in the preparation of herbarium. • Folk claims to be collected in the approved format followed by validation. <ul style="list-style-type: none"> • No. of crude drugs collected/authenticated • No. of paper/books published 	
8	[2.4.2] No. of projects to be completed	<p>Indicator of this would be the</p> <ul style="list-style-type: none"> • Successful conduct of Medico-ethno-botanical survey tour • Pharmacognostical studies of plants 	<ul style="list-style-type: none"> • Careful monitoring, random verification by field visit in the selected Forest areas of Karnataka, Uttar Pradesh, Assam, Meghalaya, Uttarakhand • Documentation, critical analysis and 	<ul style="list-style-type: none"> • Standard methods like “Belt Transact Method” etc. followed or not in survey of Medicinal plants. • Standard procedure in the preparation of herbarium. • Folk claims to be collected in the approved format followed by 	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
8	[2.4.2] No. of projects to be completed	<p>Indicator of this would be the</p> <ul style="list-style-type: none"> • Successful conduct of Medico-ethno-botanical survey tour • Pharmacognostical studies of plants 	<p>interpretation of pharmacognostical data and parameters of single medicinal plants drugs from different published resources.</p> <ul style="list-style-type: none"> • Pharmacognostical evaluation of medicinal plants cited in Ayurvedic formulary of India excluding the plants mentioned in Ayurvedic pharmacopoeia of India. 	<p>validation.</p> <ul style="list-style-type: none"> • No. of crude drugs collected/authenticated • No. of paper/books published 	
9	[3.1.1] Initiation of number of Research projects.	Standardization followed by efficient monitoring	6 projects involving shelf life study, method of preparation, comparative Phyto-chemistry	<ul style="list-style-type: none"> • Development of SOP of various dosage forms viz. churna, vati, taila and ghrita and their lab scale preparation. • Time based (real time) shelf life study on churna, vati, taila and ghrita. • Quality analysis of formulations for establishing shelf life as per protocol mentioned in API. • Development of chromatographic profiles of various plant parts of Ayurvedic drugs. • Comparative study of 	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
9	[3.1.1] Initiation of number of Research projects.	Standardization followed by efficient monitoring	6 projects involving shelf life study, method of preparation, comparative Phyto-chemistry	<p>Chromatographic profile of various parts and analysis of results on the basis of correlation of chromatographic profiles and chemical constituents.</p> <ul style="list-style-type: none"> • Pilot based preparation of Nimbatikttam from the oil of Nimba /Neem (Azadirachta indica). • Preparation of capsules of Nimbatikttam for therapeutic use. 	
10	[4.1.1] No. of Ayurvedic drugs/ formulations for safety evaluation studies to be initiated /conducted.	The indicator would be initiation/ conducting/ completion safety evaluation studies	Safety evaluation of Ayurvedic drugs/ formulations	<p>The methodology of measuring success indicators comprise various steps</p> <ul style="list-style-type: none"> • Preparatory work including development of Protocol. <ul style="list-style-type: none"> • Regulatory clearances (Institutional Animal Ethics Committee) • Initiation of experimental studies • Monitoring and evaluation 	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
11	[4.1.2] No. of projects to be completed	The indicator would be initiation/ conducting/ completion safety evaluation studies	Safety evaluation of Ayurvedic drugs/ formulations	<p>The methodology of measuring success indicators comprise various steps</p> <ul style="list-style-type: none"> • Preparatory work including development of Protocol. • Regulatory clearances (Institutional Animal Ethics Committee) • Initiation of experimental studies • Monitoring and evaluation 	
12	[4.2.1] No. of drugs to be validated.	The indicator would be initiation/ conducting/ completion safety evaluation studies	Safety evaluation of Ayurvedic drugs/ formulations	<p>The methodology of measuring success indicators comprise various steps</p> <ul style="list-style-type: none"> • Preparatory work including development of Protocol. • Regulatory clearances (Institutional Animal Ethics Committee) • Initiation of experimental studies • Monitoring and evaluation 	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
13	[5.1.1] No. of claims	The indicator would be no. of claims collected on Local Health Traditions/folk claims	Tours are conducted to selected tribal pockets for collecting and documenting Local Health Traditions/folk claims	<ul style="list-style-type: none"> • Identification and selection of tribal pockets. • Collection and documentation of folk claims data of the selected tribal areas in the approved format. <ul style="list-style-type: none"> • Confirmation/Validation following approved format. 	
14	[5.1.2] Population covered.	The indicator would be the population covered for health care benefits.	Tours are conducted to selected tribal pockets for lifestyle related demographic data of tribal people besides providing healthcare services.	<ul style="list-style-type: none"> • Identification and selection of tribal pockets. • Documentation of lifestyle related demographic data of the selected tribal areas and provided medical aid to the patients. 	
15	[6.1.1] No. of publications.	The indicator of this would be the number of publications.	Publication of manuscripts/rare books after thorough editing and review by experts in order to make them more creditable and authentic. The research publications viz. monographs, technical reports etc. will also be published after review by peers in this field.	<p>The methodology of measuring success indicators comprise various steps:</p> <ul style="list-style-type: none"> • Identification, Screening, Acquisition, consolidation, Transliteration, Translation, Editing and publication. 	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
16	[6.2.1] No. of Projects to be initiated	The indicator of this would be the initiation of projects	Publication of manuscripts/rare books after thorough editing and review by experts in order to make them more creditable and authentic. The research publications viz. monographs, technical reports etc. will also be published after review by peers in this field.	The methodology of measuring success indicators comprise various steps: • Identification, Screening, Acquisition, consolidation, Transliteration, Translation, Editing and publication.	
17	[6.2.2] No. of projects to be completed	The indicator of this would be the completion of projects	Publication of manuscripts/rare books after thorough editing and review by experts in order to make them more creditable and authentic. The research publications viz. monographs, technical reports etc. will also be published after review by peers in this field.	The methodology of measuring success indicators comprise various steps: • Identification, Screening, Acquisition, consolidation, Transliteration, Translation, Editing and publication.	
18	[6.3.1] No. of patent filed.	The indicator would be the no. of patent filed	The patent application would be filed to protect of intellectual property right of process/product.	No. of patent filed	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
19	[6.4.1] No. of patent commercialized.	The indicator would be the no. of patent commercialized	The patent application would be filed to protect of intellectual property right of process/product	No. of patent commercialized.	

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		Ministry	M/o Environment & Forests	[2.1.1] No. of Medico Ethno Botanical Survey tours to be conducted. [5.1.1] No. of claims	Permission for visiting forest areas for Medico Ethno- Botanical Survey in the forest areas of concerned states Permission for visiting forest areas/Tribal pockets for Tribal Health Care Research in the forest areas of concerned states wherever required.	Scientific documentation of the Ethno-Medico Botanical/ folk claims and regional Medicinal flora To create scientific evidences for identification of the crude drugs To create scientific data on Medicinal plants used in Ayurvedic formulary. As documentation of Local Health Traditions/ Folk claims and extension of health care services involves several steps and inputs from technical experts, the support from skilled scientists in documentation and infrastructure from these institutes are essential. Besides, expert advocacy of various committees add value to this programme. The support and cooperation of local authorities and different departments is essential to carry out the programme.	Full support and commitment to conduct 20 tours 100 % support and commitment for documenting 50 claims from tribal areas of 6 states viz. Madhya Pradesh, Maharashtra, Bihar, Assam, Arunachal Pradesh and Andaman & Nicobar Islands	It may hamper targets and programme outcomes. It would hamper targets and programme outcomes.

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 Creation of scientific evidence on safety and efficacy of pharmacopoeial formulation / therapies and other clinical trials (CCRAS).	Support from executing field institutes of CCRAS. Support from organization/agency responsible for bulk preparation and supply of quality assured trial drugs/formulations. Support of committees to fulfill regulatory requirements viz. Institutional Ethics Committee and Clinical Trial Registry of India etc.	No. of projects initiated	No.	17	13	-	-	-
2 Medico Ethno Botanical Survey across the country	Field Units executing the Medico Ethno Botanical Survey, Cultivation and Pharmacognostical studies Forest Department, Ministry of Environment and Forest of concerned states.	Number of Medico Ethno Botanical Survey tours conducted	No.	20	20	-	-	-
3 Demonstrative cultivation of Medicinal plants	Field Units executing the Demonstrative Cultivation.	No. of plants cultivated	No.	40	40	-	-	-
4 Projects under Pharmacognostical studies	Field Units executing the Pharmacognostical studies of Medicinal plants.	No. of plants studied	No.	2	2	-	-	-
5 Intra Mural Research Projects.	IMR Projects to be executed.	No. of projects initiated	No.	2	5	-	-	-
6 <ul style="list-style-type: none"> • To establish shelf life of various Ayurvedic dosage forms • To standardize method of preparation of formulation • Comparative Phyto-chemical study of 	Department of AYUSH, Ministry of Health & Family Welfare, Govt. of India and CCRAS	Initiation of number of Research projects	No.	-	5	-	-	-

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
various parts of Ayurvedic plant drugs								
7 Generation of scientific evidence on safety profile of Ayurvedic formulations through experimental models	<ul style="list-style-type: none"> • Support on technical/other related issues from Council's peripheral institutes/ collaborative institutes/ laboratories etc. • Guidance support of various committees viz. Scientific Advisory Board/ Scientific Advisory Group/ Institutional Animal Ethics Committee etc. 	No. of formulations for safety evaluation studies to be initiated/conducted	No.	8	6	-	-	-
8 Preservation of National Heritage by documentation of folk claims/Local Health Traditions and provide health care services	<ul style="list-style-type: none"> • Support on technical/ other related issues from Council's peripheral institutes/ collaborative institutes etc. • Guidance & support of various committees viz. Scientific Advisory Board/ Scientific Advisory Group etc. Time bound execution of the studies in scientific manner • Timely submission of progress report. • Seeking support/ cooperation from other relevant local forest/tribal authorities. 	No. of claims collected and documented	No.	65	58	-	-	-
		Population covered	No.	26418	21312	-	-	-
9 Preservation of National Heritage by Reviving the unpublished literature and bringing them into public domain.	<ul style="list-style-type: none"> • Support on technical/ other related issues from Council's peripheral institutes/ collaborative institutes etc. • Guidance & support of various committees viz. Scientific Advisory 	No. of publications	No.	10	8	-	-	-

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
Adding in main streaming the Ayurveda practices and creating scope for further research. Dissemination of merits of Ayurveda for awareness creation among masses and Scientific community	Board/ Scientific Advisory Group etc. Time bound execution of the studies in scientific manner <ul style="list-style-type: none"> • Timely submission of progress report. • Seeking support/ cooperation from other relevant persons /institutes etc. • Support and guidance from Department of AYUSH, Ministry of Health & Family Welfare, Govt. of India 							
		No. of projects	No.	-	4	-	-	-