



Government of India

R F D

(Results-Framework Document)
for

Ministry of Mines

(2013-2014)

Section 1: Vision, Mission, Objectives and Functions

Vision

Achieve optimal utilization of India's mineral resources through scientific, sustainable and transparent mining practices, exploration and geo-scientific research & development.

Mission

i) To develop geo-scientific partnerships with State Governments, Industry and other Stakeholders for management of mineral resources and development of mineral-based industries on scientific and sustainable basis.ii) To ensure fairness and transparency in allotment of mineral concessions.iii) To establish an e-governance mechanism for accountability of mineral resources from mine to end use/export.iv) To ensure that the Geological Survey of India (GSI) and Indian Bureau of Mines (IBM) provide high standards of services to stakeholders.

Objectives

- 1 Reworking legislative framework for transparent, safe, scientific & sustainable mining and effective regulation
- 2 Facilitating techno-economic and scientific development in the mineral sector.
- 3 Strengthening mechanisms for regulation of mining and curbing illegal mining
- 4 Bringing about improvement in the functioning of GSI
- 5 Bringing about improvement in the functioning of IBM
- 6 Effective supervision of mineral concession system
- 7 Monitoring and improving performance of PSUs
- 8 Promoting R&D; projects
- 9 Accelerating partnerships with resource rich countries.
- 10 Survey & exploration of sea bed minerals up to Exclusive Economic Zone (EEZ).
- 11 Human Resource Development & Capacity building for Central & State Government and other stakeholders.

Functions

- 1 Legislation for regulation of mines and development of minerals within the territory of India, including mines and minerals underlying the ocean within the territorial waters or the continental shelf, or the exclusive economic zone and other maritime zones of India as may be specified, from time to time by or under any law made by Parliament.
- 2 Regulation of mines and development of minerals other than coal, lignite and sand for stowing and any other mineral declared as prescribed substances for the purpose of the Atomic Energy Act, 1962 (33 of 1962) under the

Section 1: Vision, Mission, Objectives and Functions

control of the Union as declared by law, including questions concerning regulation and development of minerals in various States and the matters connected therewith or incidental thereto.

- 3 All other metals and minerals not specifically allotted to any other Ministry/Department, such as aluminium, zinc, copper, gold, diamonds, lead and nickel.
- 4 Planning, development and control of, and assistance to, all industries dealt with by the Ministry.
- 5 Administration and management of Geological Survey of India.
- 6 Administration and management of Indian Bureau of Mines.

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] Reworking legislative framework for transparent, safe, scientific & sustainable mining and effective regulation	3.00	[1.1] MMDR Bill 2011 to replace the MMDR Act, 1957.	[1.1.1] Examine and submit to the Cabinet the recommendations of Standing Committee on MMDR Bill 2011 (Within months of receiving Report of the Standing Committee)	Months	1.50	2	3	4	5	6
		[1.2] Draft Sub-legislation for MMDR Bill, 2011	[1.2.1] Completion of drafts of sub-legislations w.r.t. MMDR Bill 2011 covering mineral concession grants, scientific mining, royalty and regulatory aspects. (Within months of receiving approval of the Cabinet)	Months	1.50	2	3	4	5	6
[2] Facilitating techno-economic and scientific development in the mineral sector.	9.50	[2.1] Sub Sectors Development Plans for copper, aluminium, lead & zinc, chromite.	[2.1.1] Preparation of sub Sector Reports for metals. (by number of reports)	Number	2.00	4	3	2	1	--
		[2.2] Non-legislative items in National Mineral Policy, 2008.	[2.2.1] Implementation of 10 non-legislative items of National Mineral Policy 2008.	Number	2.00	10	8	6	4	--

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Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
		[2.3] Sustainable Development Framework (SDF) for the Mining Sector.	[2.3.1] Two Stakeholder workshops to be organized in two States.	Date	2.00	31/08/2013	31/10/2013	31/12/2013	31/01/2014	28/02/2014
			[2.3.2] Implementation of SDF as a pilot Project in two States.	Date	2.00	31/12/2013	31/01/2014	28/02/2014	31/03/2014	--
			[2.3.3] Finalization of standard template for SDF for mining sector.	Date	1.50	31/12/2013	31/01/2014	28/02/2014	31/03/2014	--
[3] Strengthening mechanisms for regulation of mining and curbing illegal mining	4.00	[3.1] Mechanisms for bringing accountability in the mining sector.	[3.1.1] To make mandatory, by suitable amendment in the MCDR 1988.	Date	2.00	31/12/2013	31/01/2014	28/02/2014	31/03/2014	--
			[3.1.2] External audit of inspection of mines by IBM. (by % of IBM Target of Inspection.	Percentage	2.00	2	1.50	1.00	0.75	--
[4] Bringing about improvement in the functioning of GSI	15.50	[4.1] Mission :I - Basic Earth Science Data Generation in Obvious Geological Potential (OGP)	[4.1.1] Area to be covered under Geochemical Mapping (GCM) on 1:50,000 scale (in Sq. km.)	Sq. Kms	3.00	80000	75000	73000	72000	70000
			[4.1.2] Area to be covered under Geophysical Mapping (GPM) 1:50,000 scale (in Sq. km.)	Sq. Kms	3.00	30000	29500	29000	28500	28000

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Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
		[4.2] Mission : II – Augmentation of Resources for the National Mineral Inventory of IBM and Coal and Lignite	[4.2.1] Annual increment to National Mineral Inventory (for Field Seasons (F.Ss) ending 31st March 2013).	Date	4.00	31/01/2014	28/02/2014	15/03/2014	22/03/2014	31/03/2014
		[4.3] Mission : III - Geoinformatics and Dissemination of Earth Science Data to Stakeholders Phase III GSI Portal Project – Implementation of Online Core Business Integrated System (OCBIS)	[4.3.1] Selection of SI and award of contract.	Date	1.00	15/03/2014	31/03/2014	--	--	--
		[4.4] Geoinformatics Services & Products	[4.4.1] Uploading of unpublished report circulated for the FS 2012-13 as per dissemination policy by 31st March 2014.	Nos.	1.00	250	225	200	190	180
		[4.5] Mission –IV Multidisciplinary and Fundamental Geoscience Climate change and Natural Hazard Studies	[4.5.1] Taking up seismic microzonation / hazard assessment of cities (Nos of cities)	Nos.	1.00	10	9	8	7	6
			[4.5.2] Taking up of landslide hazard assessment studies (Nos. of projects)	Nos.	1.00	15	12	11	10	9

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%
		[4.6] Quality Management of Geoscientific Activities- Peer Review of unpublished reports	[4.6.1] Internal Peer Review of 100% reports of the Field Season 2012-13 i.e. period ending 31 March 2013.	Date	0.75	31/12/2013	07/01/2014	14/01/2014	21/01/2014	28/01/2014
			[4.6.2] External Peer Review of 20% reports of the Field Season 2012-13 i.e. period ending 31 March 2013.	Date	0.75	01/03/2014	07/03/2014	14/03/2014	21/03/2014	28/03/2014
[5] Bringing about improvement in the functioning of IBM	12.00	[5.1] Restructuring of functioning of IBM as per recommendation of the Committee constituted for the purpose.	[5.1.1] Seeking approval of Cabinet .	Date	3.00	01/03/2014	10/03/2014	20/03/2014	31/03/2014	--
		[5.2] Implementation of Project of Mining Tenement.	[5.2.1] Selection of System Integrator and issue of Work Order.	Date	3.00	31/01/2014	28/02/2014	31/03/2014	--	--
		[5.3] Development of ore accounting software through DPR.	[5.3.1] Selection of System Integrator and issue of Work Order.	Date	3.00	31/01/2014	28/02/2014	31/03/2014	--	--
		[5.4] Implementation of UNFC system of classification of mineral reserves.	[5.4.1] Publishing of 'National Mineral Inventory – An Overview' as on 1.4.2010 for all minerals.	Date	3.00	30/09/2013	31/10/2013	30/11/2013	31/12/2013	31/01/2014
[6] Effective supervision of mineral concession system	14.00	[6.1] Eliminate pendency of mineral concession	[6.1.1] Disposal of prior approval cases	Percentage	5.50	100	90	80	70	60

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Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
		proposals over 6 months.	over 6 months as on 31st December, by 31st March of the subsequent year.							
		[6.2] Preliminary scrutiny of all new mineral concession proposals.	[6.2.1] Website database in MCAS showing pendency of new mineral concession proposals below one month.	Percentage	5.50	100	90	80	70	60
		[6.3] Ensure quicker disposal of pending 593 Revision cases (as on 31.12.2012)	[6.3.1] Disposal of 288 cases out of pending cases as on 31st December, by 31st March of the succeeding year (i.e 2014)	Number	3.00	288	259	230	202	173
[7] Monitoring and improving performance of PSUs	12.00	[7.1] "Fulfillment of MoUs".	[7.1.1] Performance rating of MoU by Ministry of National Aluminium Company Limited (NALCO) .	MoU Composite Score	6.00	1.50	2.50	3.50	4.50	5.00
			[7.1.2] Performance rating of MoU by Ministry of Hindustan Cooper Limited (HCL)	MoU Composite Score	3.00	1.50	2.50	3.50	4.50	5.00
			[7.1.3] Performance rating of MoU by	MoU Compos	3.00	1.50	2.50	3.50	4.50	5.00

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Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
			Ministry of Mineral Exploration Cooperation Limited (MECL)	ite Score						
[8] Promoting R&D projects	5.00	[8.1] Revamping of S&T Scheme & Restructuring of Autonomous Institutes- NIRM, NIMH, JNARDDC for need based R&D response as per priorities laid down in NMP, 2008.	[8.1.1] Obtaining SFC approval.	Date	2.00	30/09/2013	31/10/2013	30/11/2013	31/12/2013	--
			[8.1.2] Execution of R&D project by JNARDDC on "Up-gradation and Utilization of Laterite of East & West coast deposits", involving beneficiation & optimization of different process parameters for reduction of iron, silica content in the Laterite & optimum utilization of overburden laterite : Complete characterization studies (chemical & mineralogical	Date	1.50	28/02/2014	31/03/2014	--	--	--

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

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
			analysis) & initiate experiments for beneficiation studies (sieving tests, magnetic separation etc).							
			[8.1.3] Evaluation of Biomarkers for Early Detection of Noise Induced Hearing Loss in Mine Workers by NIMH: Standardization of technique and kits and start of field study.	Date	1.50	28/02/2014	31/03/2014	--	--	--
[9] Accelerating partnerships with resource rich countries.	1.00	[9.1] Participation in leading international events along with industry.	[9.1.1] Participation in PDAC, Mining Indaba, China Mining and others.	Number	0.50	4	3	2	1	--
		[9.2] Holding JWG/ Steering Committee Meetings.	[9.2.1] Holding JWG/ Steering Committee.	Number	0.50	4	3	2	1	--
[10] Survey & exploration of sea bed minerals up to Exclusive Economic Zone (EEZ).	5.00	[10.1] Procurement of Ocean Going Research Vessel.	[10.1.1] Commissioning of OGRV Samudra Ratnakar.	Date	3.00	16/03/2014	23/03/2014	31/03/2014	--	--
		[10.2] Marine & Coastal survey.	[10.2.1] Swath Bathymetry within Exclusive Economic Zone (EEZ).	Sq. Kms	2.00	55000	54000	53000	52000	50000
[11] Human Resource Development & Capacity building for Central &	4.00	[11.1] Mission : V - Capacity Building in Earth	[11.1.1] Training courses for GSI officers. (Nos.	1.00	55	50	45	42	40

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Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
State Government and other stakeholders.		Science Sector - Training Courses by GSITI	Number of courses)							
		[11.1.2] Training courses for others. (State Govts, PSUs, International Participants etc.)	Nos.	1.00	15	13	12	11	10	
		[11.2] Conducting trainings/workshops/seminars for skill development.	[11.2.1] Number of programmes organized by IBM.	Nos.	2.00	16	14	12	10	8
* Efficient Functioning of the RFD System	3.00	Timely submission of Draft RFD 2014-15 for Approval	On-time submission	Date	2.0	05/03/2014	06/03/2014	07/03/2014	08/03/2014	11/03/2014
		Timely submission of Results for 2012-13	On-time submission	Date	1.0	01/05/2013	02/05/2013	03/05/2013	06/05/2013	07/05/2013
* Improving Internal Efficiency/Responsiveness/ Transparency/Service delivery of Ministry/Department	6.00	Independent Audit of implementation of Citizens'/Clients' Charter (CCC)	% of implementation	%	2.0	100	95	90	85	80
		Independent Audit of implementation of Public Grievance Redressal System	% of implementation	%	2.0	100	95	90	85	90
		Update departmental strategy to align with 12th Plan priorities	Timely updation of the strategy	Date	2.0	10/09/2013	17/09/2013	24/09/2013	01/10/2013	08/10/2013
* Administrative Reforms	6.00	Implement mitigating strategies for reducing potential risk of corruption	% of implementation	%	1.0	100	95	90	85	80
		Implement ISO 9001 as per the approved action plan	% of implementation	%	2.0	100	95	90	85	80

* Mandatory Objective(s)

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Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
		Implement Innovation Action Plan (IAP)	% of milestones achieved	%	2.0	100	95	90	85	80
		Identification of core and non-core activities of the Ministry/Department as per 2nd ARC recommendations	Timely submission	Date	1.0	01/10/2013	15/10/2013	30/10/2013	10/11/2013	20/11/2013

* Mandatory Objective(s)

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
[1] Reworking legislative framework for transparent, safe, scientific & sustainable mining and effective regulation	[1.1] MMDR Bill 2011 to replace the MMDR Act, 1957.	[1.1.1] Examine and submit to the Cabinet the recommendations of Standing Committee on MMDR Bill 2011 (Within months of receiving Report of the Standing Committee)	Months	--	--	2	2	2
	[1.2] Draft Sub-legislation for MMDR Bill, 2011	[1.2.1] Completion of drafts of sub-legislations w.r.t. MMDR Bill 2011 covering mineral concession grants, scientific mining, royalty and regulatory aspects. (Within months of receiving approval of the Cabinet)	Months	--	--	2	2	2
[2] Facilitating techno-economic and scientific development in the mineral sector.	[2.1] Sub Sectors Development Plans for copper, aluminium, lead & zinc, chromite.	[2.1.1] Preparation of sub Sector Reports for metals. (by number of reports)	Number	--	--	4	3	2
	[2.2] Non-legislative items in National Mineral Policy, 2008.	[2.2.1] Implementation of 10 non-legislative items of National Mineral Policy 2008.	Number	--	8	10	5	5
	[2.3] Sustainable Development	[2.3.1] Two Stakeholder workshops to be	Date	--	--	30/08/2013	--	--

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
	Framework (SDF) for the Mining Sector.	organized in two States.						
		[2.3.2] Implementation of SDF as a pilot Project in two Sates.	Date	--	--	31/12/2013	--	--
		[2.3.3] Finalization of standard template for SDF for mining sector.	Date	--	--	31/01/2014	--	--
[3] Strengthening mechanisms for regulation of mining and curbing illegal mining	[3.1] Mechanisms for bringing accountability in the mining sector.	[3.1.1] To make mandatory, by suitable amendment in the MCDR 1988.	Date	--	--	31/12/2013	--	--
		[3.1.2] External audit of inspection of mines by IBM. (by % of IBM Target of Inspection.	Percentage	--	--	2	2	2
[4] Bringing about improvement in the functioning of GSI	[4.1] Mission :I - Basic Earth Science Data Generation in Obvious Geological Potential (OGP)	[4.1.1] Area to be covered under Geochemical Mapping (GCM) on 1:50,000 scale (in Sq. km.)	Sq. Kms	--	--	75000	75000	75000
		[4.1.2] Area to be covered under Geophysical Mapping (GPM) 1:50,000 scale (in Sq. km.)	Sq. Kms	--	--	29500	40000	45000
	[4.2] Mission : II – Augmentation of Resources for the National Mineral	[4.2.1] Annual increment to National Mineral Inventory (for Field Seasons (F.Ss)	Date	23/12/2011	28/02/2013	28/02/2014	28/02/2015	28/02/2016

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
	Inventory of IBM and Coal and Lignite	ending 31st March 2013).						
	[4.3] Mission : III - Geoinformatics and Dissemination of Earth Science Data to Stakeholders Phase III GSI Portal Project – Implementation of Online Core Business Integrated System (OCBIS)	[4.3.1] Selection of SI and award of contract.	Date	--	--	31/03/2014	--	--
	[4.4] Geoinformatics Services & Products	[4.4.1] Uploading of unpublished report circulated for the FS 2012-13 as per dissemination policy by 31st March 2014.	Nos.	--	--	225	250	250
	[4.5] Mission –IV Multidisciplinary and Fundamental Geoscience Climate change and Natural Hazard Studies	[4.5.1] Taking up seismic microzonation / hazard assessment of cities (Nos of cities)	Nos.	--	--	9	10	10
		[4.5.2] Taking up of landslide hazard assessment studies (Nos. of projects)	Nos.	--	--	12	12	12
	[4.6] Quality Management of Geoscientific Activities- Peer Review of unpublished reports	[4.6.1] Internal Peer Review of 100% reports of the Field Season 2012-13 i.e. period ending 31 March 2013.	Date	--	31/12/2012	07/01/2014	07/01/2015	07/01/2016

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
		[4.6.2] External Peer Review of 20% reports of the Field Season 2012-13 i.e. period ending 31 March 2013.	Date	--	--	07/03/2014	07/03/2015	07/03/2016
[5] Bringing about improvement in the functioning of IBM	[5.1] Restructuring of functioning of IBM as per recommendation of the Committee constituted for the purpose.	[5.1.1] Seeking approval of Cabinet .	Date	--	--	01/03/2014	--	--
	[5.2] Implementation of Project of Mining Tenement.	[5.2.1] Selection of System Integrator and issue of Work Order.	Date	--	--	31/01/2014	--	--
	[5.3] Development of ore accounting software through DPR.	[5.3.1] Selection of System Integrator and issue of Work Order.	Date	--	--	31/01/2014	--	--
	[5.4] Implementation of UNFC system of classification of mineral reserves.	[5.4.1] Publishing of 'National Mineral Inventory – An Overview' as on 1.4.2010 for all minerals.	Date	--	--	30/09/2013	--	--
[6] Effective supervision of mineral concession system	[6.1] Eliminate pendency of mineral concession proposals over 6 months.	[6.1.1] Disposal of prior approval cases over 6 months as on 31st December, by 31st March of the subsequent year.	Percentage	95	90	90	90	90

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
	[6.2] Preliminary scrutiny of all new mineral concession proposals.	[6.2.1] Website database in MCAS showing pendency of new mineral concession proposals below one month.	Percentage	100	100	100	100	100
	[6.3] Ensure quicker disposal of pending 593 Revision cases (as on 31.12.2012)	[6.3.1] Disposal of 288 cases out of pending cases as on 31st December, by 31st March of the succeeding year (i.e 2014)	Number	--	--	230	--	--
[7] Monitoring and improving performance of PSUs	[7.1] "Fulfillment of MoUs".	[7.1.1] Performance rating of MoU by Ministry of National Aluminium Company Limited (NALCO) .	MoU Composite Score	--	--	2.50	2.50	2.50
		[7.1.2] Performance rating of MoU by Ministry of Hindustan Cooper Limited (HCL)	MoU Composite Score	--	--	2.50	2.50	2.50
		[7.1.3] Performance rating of MoU by Ministry of Mineral Exploration Cooperation Limited (MECL)	MoU Composite Score	--	--	2.50	2.50	2.50
[8] Promoting R&D projects	[8.1] Revamping of S&T Scheme & Restructuring of Autonomous Institutes-NIRM,	[8.1.1] Obtaining SFC approval.	Date	--	--	31/10/2013	--	--

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
	NIMH, JNARDDC for need based R&D response as per priorities laid down in NMP, 2008.							
		[8.1.2] Execution of R&D project by JNARDDC on "Up-gradation and Utilization of Laterite of East & West coast deposits", involving beneficiation & optimization of different process parameters for reduction of iron, silica content in the Laterite & optimum utilization of overburden laterite : Complete characterization studies (chemical & mineralogical analysis) & initiate experiments for beneficiation studies (sieving tests, magnetic separation etc).	Date	--	--	31/03/2014	--	--
		[8.1.3] Evaluation of Biomarkers for Early Detection of Noise Induced Hearing Loss in	Date	--	--	31/03/2014	--	--

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
		Mine Workers by NIMH: Standardization of technique and kits and start of field study.						
[9] Accelerating partnerships with resource rich countries.	[9.1] Participation in leading international events along with industry.	[9.1.1] Participation in PDAC, Mining Indaba, China Mining and others.	Number	--	--	3	--	--
	[9.2] Holding JWG/ Steering Committee Meetings.	[9.2.1] Holding JWGs/ Steering Committee.	Number	--	--	3	--	--
[10] Survey & exploration of sea bed minerals up to Exclusive Economic Zone (EEZ).	[10.1] Procurement of Ocean Going Research Vessel.	[10.1.1] Commissioning of OGRV Samudra Ratnakar.	Date	--	--	23/03/2014	--	--
	[10.2] Marine & Coastal survey.	[10.2.1] Swath Bathymetry within Exclusive Economic Zone (EEZ).	Sq. Kms	--	--	54000	60000	60000
[11] Human Resource Development & Capacity building for Central & State Government and other stakeholders.	[11.1] Mission : V - Capacity Building in Earth Science Sector - Training Courses by GSITI	[11.1.1] Training courses for GSI officers. (Number of courses)	Nos.	--	--	50	60	60
		[11.1.2] Training courses for others. (State Govts, PSUs, International Participants etc.)	Nos.	--	--	13	13	13
	[11.2] Conducting trainings/workshops/seminars for skill	[11.2.1] Number of programmes organized by IBM.	Nos.	--	--	16	18	20

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	Unit	Actual Value for FY 11/12	Actual Value for FY 12/13	Target Value for FY 13/14	Projected Value for FY 14/15	Projected Value for FY 15/16
	development.							
* Efficient Functioning of the RFD System	Timely submission of Draft RFD 2014-15 for Approval	On-time submission	Date	--	--	06/03/2014	--	--
	Timely submission of Results for 2012-13	On-time submission	Date	--	--	02/05/2013	--	--
* Improving Internal Efficiency/Responsiveness/ Transparency/Service delivery of Ministry/Department	Independent Audit of implementation of Citizens'/Clients' Charter (CCC)	% of implementation	%	--	--	95	--	--
	Independent Audit of implementation of Public Grievance Redressal System	% of implementation	%	--	--	95	--	--
	Update departmental strategy to align with 12th Plan priorities	Timely updation of the strategy	Date	--	--	17/09/2013	--	--
* Administrative Reforms	Implement mitigating strategies for reducing potential risk of corruption	% of implementation	%	--	--	95	--	--
	Implement ISO 9001 as per the approved action plan	% of implementation	%	--	--	95	--	--
	Implement Innovation Action Plan (IAP)	% of milestones achieved	%	--	--	95	--	--
	Identification of core and non-core activities of the Ministry/Department as per 2nd ARC recommendations	Timely submission	Date	--	--	15/10/2013	--	--

* Mandatory Objective(s)

Section 4: Acronym

Sl.No	Acronym	Description
1	CEC	Co-ordination cum- Empowered Committee
2	CEIG	Chief Electrical Inspector of Gujarat
3	CGPB	Central Geological Programming Board
4	CSMAT	Controlled Source Audio-Frequency Magneto Telluric
5	DFR	Detailed feasibility report
6	DPR	Detailed project report

Section 4: Acronym

Sl.No	Acronym	Description
7	EAC	Expert Appraisal Committee
8	EEZ	Exclusive Economic Zone
9	EFC	Expenditure Finance Committee
10	EIA	Environment Impact Assessment
11	EMP	Environment Management Plan
12	EOI	Expression Of Interest

Section 4: Acronym

Sl.No	Acronym	Description
13	FSP	Field Season Programme
14	GAC	Geoscience Advisory Council
15	GCM	Geochemical Mapping
16	GETCO	Gujarat Energy Transmission Corporation Limited
17	GMDC	Gujarat Mineral Development Corporation
18	GSITI	Geological survey of India Training Institute

Section 4: Acronym

Sl.No	Acronym	Description
19	IBM	Indian Bureau of Mines
20	ICC	Indian Copper Complex Ghatsila
21	IGC	International Geological Congress
22	MCAS	Mineral Concession Approval System
23	MCDR	Mineral Conservation and Development Rules, 1988
24	MCR	Mineral Concession Rules, 1960

Section 4: Acronym

Sl.No	Acronym	Description
25	MMDR Act	Mines and Minerals development and Regulation Act, 1957
26	MoEF	Ministry of Environment and Forests
27	MoM	Ministry of Mines
28	MTS	Mining Tenement System
29	MU	Million Unit
30	MW	Mega Watt

Section 4: Acronym

SI.No	Acronym	Description
31	NISG	National Institute for Smart Government
32	NMI	National Mineral Inventory
33	OAS	Ore Accounting Software
34	OCBIS	Online Core Business Integrated System
35	OGP	Obvious Geological Potential
36	PDAC	Prospectors and Developers of Canada

Section 4: Acronym

Sl.No	Acronym	Description
37	PO	Purchase Order
38	PPA	Power purchase agreement
39	R&D	Research & Development
40	REC	Renewable Energy Certificate
41	RFP	Request For Proposal
42	RREDC	Rajasthan Renewable Energy Development Corporation

Section 4: Acronym

SI.No	Acronym	Description
43	S&T	Science & Technology
44	SCPP	Standing Committee on Promotional Projects
45	SI	System Integrator
46	SI	System Intergrator
47	UNFC	United Nations Framework Classification

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
1	[4.1.1] Examine and submit to the Cabinet the recommendations of Standing Committee on MMDR Bill 2011 (Within months of receiving Report of the Standing Committee)	MMDR Bill 2011 to replace the MMDR Act, 1957.	Reworking legislative framework for a transparent, safe, scientific, sustainable mining and better regulation	Months	Lok Sabha referred the Bill to Standing Committee on 5/1/2012, Further action is dependent on finalization of report of the Standing Committee.
2	[4.2.1] Completion of drafts of sub-legislations w.r.t. MMDR Bill 2011 covering mineral concession grants, scientific mining, royalty and regulatory aspects. (Within months of receiving approval of the Cabinet)	MMDR Bill 2011 to replace the MMDR Act, 1957.	Reworking legislative framework for a transparent, safe, scientific, sustainable mining and better regulation	Months	--
3	[5.1.1] Preparation of sub Sector Reports for metals. (by number of reports)	Sub Sectors Development Plans for copper, aluminium, lead & zinc and chromite.	To study the demand, supply, consumption, import, export, resources position, raw material security, acquisition of mineral concessions in India / Global etc.	Number	--
4	[5.2.1] Implementation of 10 non-legislative items of National Mineral Policy 2008.	Non-legislative items in National Mineral Policy, 2008	With a view to boost the mineral sector and in the interest of sustainable mineral development in the country, various non-legislative policy initiatives have been enunciated in the National Mineral Policy - 2008	Number	--

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
5	[5.3.1] Two Stakeholder workshops to be organized in two States.	Sustainable Development Framework (SDF) for the Mining Sector.	SDF includes, incorporating Environmental and social sensitivities in decisions on leases, strategic assessment in key Mining regions, managing impacts at the Mine level, addressing Land, Resettlement and other social impacts, community engagement, benefit sharing and contribution to socio-economic development, Mine Closure and Post Closure Mining aspects, assurance and reporting.	date	--
6	[5.3.2] Implementation of SDF as a pilot Project in two Sates.	Sustainable Development Framework (SDF) for the Mining Sector.	SDF includes, incorporating Environmental and social sensitivities in decisions on leases, strategic assessment in key Mining regions, managing impacts at the Mine level, addressing Land, Resettlement and other social impacts,	Date	--

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
6	[5.3.2] Implementation of SDF as a pilot Project in two Sates.	Sustainable Development Framework (SDF) for the Mining Sector.	community engagement, benefit sharing and contribution to socio-economic development, Mine Closure and Post Closure Mining aspects, assurance and reporting.	Date	--
7	[5.3.3] Finalization of standard template for SDF for mining sector.	Sustainable Development Framework (SDF) for the Mining Sector.	SDF includes, incorporating Environmental and social sensitivities in decisions on leases, strategic assessment in key Mining regions, managing impacts at the Mine level, addressing Land, Resettlement and other social impacts, community engagement, benefit sharing and contribution to socio-economic development, Mine Closure and Post Closure Mining aspects, assurance and reporting.	Date	--

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
8	[6.1.1] To make mandatory, by suitable amendment in the MCDR 1988.	Mechanism for bring accountability in the mining sector.	Strengthening mechanisms for regulation of mining, and curbing illegal mining	Date	--
9	[6.1.2] External audit of inspection of mines by IBM. (by % of IBM Target of Inspection.	Getting external audit of the Mines inspected by IBM so as to bring in accountability & transparency.	Strengthening mechanisms for regulation of mining, and curbing illegal mining.	Percentage	---
10	[7.1.1] Area to be covered under Geochemical Mapping (GCM) on 1:50,000 scale (in Sq. km.)	Geochemical Mapping (GCM) on 1:50,000 scale of the country	Priority I area is OGP (5.71 lakhs sq. km) which require 8.13 lakh sq. km. to map considering full toposheet	Sq. Km.	Priority – I area to be completed by XII Plan, if required partly through outsourcing. Upto February 2013, 3.28 lakh sq. km. has been completed.
11	[7.1.2] Area to be covered under Geophysical Mapping (GPM) 1:50,000 scale (in Sq. km.)	Geophysical Mapping (GPM) 1:50,000 scale of the country	Priority I area is OGP (5.71 lakhs sq. km) which require 8.13 lakh sq. km. to map considering full toposheet	Sq. Km.	Priority – I area to be completed by XII Plan, if required partly through outsourcing. Upto February 2013, 1.95 lakh sq. km. has been completed.
12	[7.2.1] Annual increment to National Mineral Inventory (for Field Seasons (F.Ss) ending 31st March 2013).	Communication of mineral resource information to Indian Bureau of Mines	The date generated during the FSP of GSI is communicated to IBM to update the NMI	Date	NMI is managed and updated by IBM from inputs for GSI and other exploration agencies.

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
13	[7.3.1] Selection of SI and award of contract.	Online Core Business integrated system (OCBIS) project being undertaken by GSI	OCBIS is proposed for implemented by GSI for which DPR and EFC are to be approved by the Govt. and budget allocation are to be provisioned	Date	OCBIS project is meant for upgrading the GSI Portal to integrate core activities of GSI in one platform.
14	[7.4.1] Uploading of unpublished report circulated for the FS 2012-13 as per dissemination policy by 31st March 2014.	The data generated by GSI during the FSP is uploaded on GSI portal for data dissemination	GSI portal is updated with the reports generated on completion of FSP	Date	FS programme result in report generation which are uploaded on GSI portal for dissemination to all stake holders.
15	[7.6.1] Internal Peer Review of 100% reports of the Field Season 2012-13 i.e. period ending 31 March 2013.	The reports generated are peer reviewed internally for quality auditing	Quality Management of GSI activities	Date	Quality management is implemented in GSI by reviewing through internal peer groups of all the reports generated
16	[7.6.2] External Peer Review of 20% reports of the Field Season 2012-13 i.e. period ending 31 March 2013.	The reports generated are peer reviewed externally for quality auditing	Quality Management of GSI activities	Date	Quality management is implemented in GSI by reviewing through external peer groups of 20% of the reports generated.
17	[8.1.1] Seeking approval of Cabinet .	Restructuring of functioning of IBM as per recommendation of the Committee constituted for the purpose.	Bringing about improvement in the functioning of IBM through implementation of recommendations made by Review and Restructuring Committee.	Date	--

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
18	[8.2.1] Selection of System Integrator and issue of Work Order.	Implementation of Mining Tenement system	The project on computerized on-line register of mining tenement system will facilitate for rapid development of the mineral industry in India. Detail Project Report (DPR) for states for Design and development of Registry component at national level and integration of GIS and Registry Components has been prepared. The system will be designed to capture life cycle information of the concession.	Date	Software development work will be initiated by the identified agency.
19	[8.3.1] Selection of System Integrator and issue of Work Order.	Development of Ore Accounting Software	Accounting of movement of minerals through online registration of all those engaged in mining and reconciliation of data received through online returns with Railway/ Port/ Custom authorities to isolate & effectively monitor areas of illegal mining.	Date	--

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
20	[8.4.1] Publishing of 'National Mineral Inventory – An Overview' as on 1.4.2010 for all minerals.	Implementation of UNFC system of classification of mineral reserves.	Creation of digitized form of National Mineral Inventory in terms of UNFC System as envisaged in NMP – 2008.	Date	--
21	[9.1.1] Disposal of prior approval cases over 6 months as on 31st December, by 31st March of the subsequent year.	Disposal of prior approval cases over 6 months as on 31st December, by 31st March of the subsequent year.	Eliminate pendency of mineral concession proposal over 6 months.	Percentage	--
22	[9.2.1] Website database in MCAS showing pendency of new mineral concession proposals below one month.	Mineral Concession Approval System (MCAS) showing pendency of new mineral concession proposals below one month.	Preliminary scrutiny of all mineral concession proposals.	Percentage	--
23	[10.1.1] Performance rating of MoU by Ministry of National Aluminium Company Limited (NALCO) .	Review of MoUs with NALCO	Memorandum of understanding signed between NALCO and the Ministry.	MoU rating	---
24	[10.1.2] Performance rating of MoU by Ministry of Hindustan Cooper Limited (HCL)	Review of MoU signed between HCL and Ministry.	Memorandum of understanding signed between HCL and the Ministry.	Mou Rating	--

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
25	[10.1.3] Performance rating of MoU by Ministry of Mineral Exploration Cooperation Limited (MECL)	Review of MoUs with MECL	Memorandum of understanding signed between MECL and the Ministry.	MoU rating	--
26	[12.1.1] Participation in PDAC, Mining Indaba, China Mining and others.	Participation in leading international mining events	Exposure to international mining practices and policies	Number	--
27	[12.2.1] Holding JWG/ Steering Committee.	Conduct of joint working group and steering committee meetings	Forging international cooperation in the mining sector.	Number	---
28	[13.1.1] Commissioning of OGRV Samudra Ratnakar.	Procurement of Ocean Going Research vessel by GSI	GSI is procuring a new Ocean Going Research vessel from M/s Hyundai Heavy Industries, South Korea for which 4 installments have been paid.	Date	The last two remaining installments have to be paid in time as per the agreed schedule to the shipyard for completing the process of procurement, which will be followed by Commissioning.
29	[14.1.1] Training courses for GSI officers. (Number of courses)	Capacity building in Earth Science Sector and improvement of Human Resources Development.	Conducting training courses for GSI offices	Number of training courses to be conducted.	--

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
30	[14.1.2] Training courses for others. (State Govts, PSUs, International Participants etc.)	Human Resources Development and Capacity building in the states and for others in Earth Science Sector	Conducting training courses for officers from State Governments, PSUs and International Participants.	Numbers of Training Courses.	---
31	[14.2.1] Number of programmes organized by IBM.	Human resource development and capacity building for Central and State Governments and other stakeholders.	Conducting trainings/workshops/seminars for skill development of personnel employed in the industry and government in the mining sector	Number	--

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	Ministry of Finance	[7.1.1] Area to be covered under Geochemical Mapping (GCM) on 1:50,000 scale (in Sq. km.)	Budget grant required	Delay in procurements of Chemical Instruments (XRF and pulverisers) will lead to shortfall of target achievement.	Budget allocation during financial year 2013-14	Shortfall in XII Plan achievement.
				[7.1.2] Area to be covered under Geophysical Mapping (GPM) 1:50,000 scale (in Sq. km.)		Delay in procurements of Geophysical Instruments (Gravimeter and DGPS) will lead to shortfall of target achievement.		
				[13.2.1] Swath Bathymetry within Exclusive Economic Zone (EEZ).	Targets of Marine Survey depends on the timely availability of the New Research Vessel, R. V. Samudra Ratnakar, which is linked with timely payment of installments [5th & 6th] for procurement of Ocean Going Research Vessel.	Delay in procurements of R V. Ratnakar will lead to shortfall of target achievement.	Budget allocation during financial year 2013-14.	
			[13.1.1] Commissioning of OGRV Samudra Ratnakar.	Budget grant for effecting the 5th and 6th installment payments	A Budget grant of Rs. 295.0 crores is required for paying the installments	Budget allocation during financial year 2013-14	Will falter on an international agreement inviting legalities.	
			Ministry of Environment and Forests	[7.2.1] Annual increment to National Mineral	Statutory clearance and permission to carryout	It is a statutory requirement.	Grant of requisite permission of exploration in forest	The exploration programme will be delayed or deferred or

Section 5 : Specific Performance Requirements from other Departments

Location Type	State	Organisation Type	Organisation Name	Relevant Success Indicator	What is your requirement from this organisation	Justification for this requirement	Please quantify your requirement from this Organisation	What happens if your requirement is not met.
			Ministry of Environment and Forests	Inventory (for Field Seasons (F.Ss) ending 31st March 2013).	exploration, on need basis	It is a statutory requirement.	areas.	aborted.
		others	Others	<p>[14.1.2] Training courses for others. (State Govts, PSUs, International Participants etc.)</p> <p>[7.6.2] External Peer Review of 20% reports of the Field Season 2012-13 i.e. period ending 31 March 2013.</p> <p>[7.3.1] Selection of SI and award of contract.</p> <p>[7.4.1] Uploading of unpublished report circulated for the FS 2012-13 as per</p>	<p>Participation from State Govts, PSUs, International arena</p> <p>Budget grant required</p> <p>Approval of EFC Memo and Budget grant for implementing the project OCBIS</p> <p>Budget grant required</p>	<p>Total nos. of training programme depends on the availability of participants, especially external candidates (State Govts, PSUs, International Participants etc.)</p> <p>Delay in procurements of Laboratory Instruments will lead to abnormal delay in chemical analysis of samples of NGCM as well as Non - NGCM resulting delay in submission of final reports of the projects and thus resulting delay in external peer review.</p> <p>EFC Memo has to be circulated for comments and approval of Planning Commission and Ministry of Finance. Implementation of OCBIS is subject to the availability of grant in time during FY 2013-14.</p> <p>Delay in procurements of Laboratory Instruments will lead to abnormal delay in chemical analysis of</p>	<p>Minimum nos. of participants</p> <p>Budget allocation during financial year 2013-14</p> <p>EFC Memo Approval And allocation of required fund.</p> <p>Budget allocation during financial year 2013-14</p>	<p>Shortfall in target achievement and affecting the Capacity building in Mining sector.</p> <p>Delay in submission of report and consequently deferred uploading of reports in GSI portal result in delay in Dissemination</p> <p>Departmental EFC Meeting cannot be convened.</p> <p>The project will not be implemented.</p> <p>Delay in submission of report and consequently deferred uploading of reports in</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.
				<p>dissemination policy by 31st March 2014.</p> <p>[7.6.1] Internal Peer Review of 100% reports of the Field Season 2012-13 i.e. period ending 31 March 2013.</p>	Budget grant required	<p>samples of NGCM as well as Non - NGCM resulting delay in submission of final reports of the projects and thus resulting delay in uploading of the same.</p> <p>Delay in procurements of Laboratory Instruments will lead to abnormal delay in chemical analysis of samples of NGCM as well as Non - NGCM resulting delay in submission of final reports of the projects and thus resulting delay in internal peer review.</p>	Budget allocation during financial year 2013-14	<p>GSI portal resultinf delay in Dissemination.</p> <p>Delay in submission of report and consequently deferred uploading of reports in GSI portal result in delay in Dissemination</p>

Section 6: Outcome/Impact of Department/Ministry

Outcome/Impact of Department/Ministry	Jointly responsible for influencing this outcome / impact with the following department (s) / ministry(ies)	Success Indicator	Unit	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16
1 Baseline data generation through increased coverage of the OGP areas	GSI, NGRI, AMD, State Governments, Geoscience Institutions, Universities	Area to be covered under Geochemical Mapping (GCM) on 1:50,000 scale (in Sq. km.) (% of OGP Area)	Percenta	6%	9%	9%	9%	10%
		Area to be covered under Geophysical Mapping (GPM) 1:50,000 scale (in Sq. km.)(% of OGP Area)	Percenta	2.5%	3.3%	3.7%	5%	5%
2 Seabed Mapping within EEZ	GSI, MoES	Swath Bathymetry within Exclusive Economic Zone (EEZ)	Sq. Km.	69317	57000	55000	60000	60000
3 Augmentation in resources of National Mineral Inventories.	GSI, IBM, MECL, NMDC, MOIL, State Governments of all mineral-bearing States, all stakeholders in mineral industry	Annual increment to National Mineral Inventory (for Field Seasons (F.Ss) ending 31st March 2013) * Iron, Manganese, Gold, Basemetal, Phosphorite, Limestone. # Iron, Manganese, Gold, Basemetal, PGE, REE, W, Diamond, Limestone.	Nos.	*	*	#	#	#
4 Dissemination of Earth Science Data to stakeholders	All stakeholders of earth science sector and Ministry of Agriculture, Irrigation, NDMA, Transport, DST, Power, Water Resources, etc	Uploading of unpublished report circulated for the FS 2012-13 as per dissemination policy by 31st March 2014.	Nos. of Reports	153	250	250	250	250
5 Capacity Building in Geosciences	All organizations of the country related with Geosciences	Training courses for others. (State Govts, PSUs, International Participants etc.)	Nos. of courses	87	90	70	70	70

Section 6: Outcome/Impact of Department/Ministry

Outcome/Impact of Department/Ministry	Jointly responsible for influencing this outcome / impact with the following department (s) / ministry(ies)	Success Indicator	Unit	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16
6 Augmenting the mineral resources base of the country	Forest clearance from MoEF, wherever required.	Preparation of Geological Report after completion of exploration activity	Nos.			12	15	16
		Development of mines for production or ore for the clients	No. of Mines			3	3	3
7 Optimal Minerals Development through sustainable and Scientific Mining	Indian Bureau of Mines (IBM)	Improved and regular inspection of Mines.	Number	2000	2500	2500		
8 Annual incremental increase in mineral reserves in the National Mineral Inventory	GSI, MECL, IBM, State Governments and individual miners	Enhancement in mineral reserve and their incorporation in the NMI	Number					
9 Contribution to GDP	Policy decisions of all concerned Ministries/Department of Govt. of India and State Govts. and performance of industry and stakeholders	Increase in contribution to GDP	Percenta					
10 Creation of direct and indirect employment in the mining sector	Policy decisions of all concerned Ministries/Department of Govt. of India and State Govts. and performance of industry and stakeholders	Generation of employment	Number					