



Government of India

**R F D**

(Results-Framework Document)  
for

Ministry of Mines

(2014-2015)

## 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 both on land and offshore 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 Revision of rates of royalty and dead rent as per Section 9 of the MMDR Act, 1957.
- 2 Moving official amendments to the MMDR (Bill), 2011
- 3 Facilitating techno-economic and scientific development in the mineral sector.
- 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 Meeting Governments Obligations under MoU with PSUs.
- 8 Promoting R&D; projects.
- 9 Accelerating partnerships with resource rich countries.

### 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 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.

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

- 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] Revision of rates of royalty and dead rent as per Section 9 of the MMDR Act, 1957.	3.00	[1.1] Seeking the approval of Cabinet to amend scheduled II and III to the MMDR Act, 1957.	[1.1.1] Notification of Amendment of Schedules II and III to the MMDR Act., 1957 after obtaining the approval of Cabinet. (CCEA)	Months	3.00	2	3	4	5	6
[2] Moving official amendments to the MMDR (Bill), 2011	3.00	[2.1] Seeking approval for official amendments to the MMDR (Bill), 2011.	[2.1.1] Preparation of Cabinet Note for the official amendments.	Date	3.00	30/09/2014	15/10/2014	31/10/2014	15/11/2014	30/11/2014
[3] Facilitating techno-economic and scientific development in the mineral sector.	7.50	[3.1] Sub Sectors Development Plans for rock phosphate, aluminium and lead & zinc.	[3.1.1] Preparation of sub Sector Reports for metals.	Date	2.00	31/01/2015	15/02/2015	28/02/2015	15/03/2015	31/03/2015
		[3.2] Non-legislative items in National Mineral Policy, 2008	[3.2.1] Implementation of 9 non-legislative items of National Mineral Policy 2008.	Number	2.00	9	7	5	3	1
		[3.3] Sustainable Development Framework (SDF) for the Mining Sector.	[3.3.1] Finalization of standard template for SDF for mining sector.	Date	1.50	15/10/2014	31/10/2014	15/11/2014	30/11/2014	15/12/2014
			[3.3.2] Initiating SDF pilot project in two States.	Date	2.00	31/12/2014	31/01/2015	28/02/2015	15/03/2015	31/03/2015
[4] Bringing about improvement in the functioning of GSI.	30.00	[4.1] Mission-I: Basic Earth Science Data Generation in Obvious Geological Potential (OGP) Area	[4.1.1] Maps produced by Geochemical Mapping (GCM) on 1:50,000 scale in OGP area.	Sq. Kms	4.00	85000	80000	75000	73000	70000

## 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%
			[4.1.2] Maps produced by Geophysical Mapping (GPM) 1:50,000 scale in OGP area	Sq. Kms	3.00	33000	31000	30000	28000	26000
		[4.2] Survey & exploration of seabed minerals.	[4.2.1] Maps produced by Swath Bathymetry within EEZ area and beyond.	Sq. Kms	3.00	60000	55000	53000	52000	50000
			[4.2.2] Reports from Preliminary Mineral investigation within EEZ area.	Sq. Kms	3.00	15000	14000	13000	12000	11000
			[4.2.3] Maps produced by Multi-channel Seismic Survey Mapping within EEZ area and beyond.	Line Km	3.00	7000	6000	5000	4000	3000
		[4.3] Mission-II: Augmentation of Resources for the National Mineral Inventory of IBM and Coal and Lignite.	[4.3.1] Augmentation to National Mineral Inventory being maintained by IBM based on reports from Field Season Program (FSP) ending 31st March 2014	Date	3.00	31/01/2015	28/02/2015	15/03/2015	23/03/2015	31/03/2015
		[4.4] Mission-III: Geoinformatics and Dissemination of Earth Science Data to stakeholders:	[4.4.1] Commencement of OCBIS Project (Award of contract - Issue of letter of intent)	Date	1.00	31/08/2014	15/09/2014	30/09/2014	15/10/2014	31/10/2014

## 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%
		Phase-III GSI Portal Project – Implementation of Online Core Business Integrated System. (OCBIS)								
		[4.4.2] Completion of Software Requirement Specification (SRS) study and submission of SRS document by SI.	Date	1.00	01/03/2015	07/03/2015	15/03/2015	21/03/2015	31/03/2015	
		[4.5] Quality Management of Geoscientific Activities - Peer Review of reports.	[4.5.1] Validation of reports through Internal Peer Review of 100% reports of the FSP 2013-14.	Date	1.00	31/12/2014	31/01/2015	28/02/2015	15/03/2015	31/03/2015
			[4.5.2] Validation of reports through External Peer Review of 20% reports of the FSP 2013-14.	Date	1.00	01/03/2015	07/03/2015	20/03/2015	27/03/2015	31/03/2015
		[4.6] Geoinformatics Services & products.	[4.6.1] Making available in public domain reports based on FSP 2013-14 as per Dissemination Policy, by 31st March 2015.	Numbers	1.00	260	250	230	210	190
		[4.7] Mission-IV: Multidisciplinary and Fundamental	[4.7.1] Production of Seismic Microzonation	Numbers	1.50	10	9	8	7	6

## 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%
		Geoscience, Climate change and Natural Hazard Studies	Maps / Hazard Assessment Maps of cities.							
			[4.7.2] Landslide hazard assessment study reports (nos. of projects).	Numbers	1.50	8	7	6	5	4
			[4.7.3] Maps produced by Landslide Susceptibility Mapping.	Numbers	1.00	8	7	6	5	4
		[4.8] Mission-V: Capacity Building in Earth Science Sector: Human Resource Development & Capacity building for Central & State Government and other stakeholders.	[4.8.1] Skill upgradation and capacity building of officers of GSI through training (number of trainees)	Numbers	1.00	1150	1100	1050	1000	950
			[4.8.2] Skill upgradation and capacity building of officers of State Govts, PSUs, International Participants etc through training (number of trainees)	Numbers	1.00	250	225	200	175	150
[5] Bringing about improvement in the functioning of IBM.	13.50	[5.1] Restructuring of functioning of IBM as per recommendation of the Committee constituted for the	[5.1.1] Obtaining Government orders for restructuring of functioning of	Date	2.00	31/01/2015	15/02/2015	28/02/2015	15/03/2015	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%
		purpose.	IBM.							
		[5.2] Implementation of Project of Mining Tenement.	[5.2.1] Award of work after completion of tendering process.	Date	2.00	31/12/2014	15/01/2015	31/01/2015	15/02/2015	28/02/2015
			[5.2.2] Approval of Inception Report.	Date	0.50	28/02/2015	10/03/2015	15/03/2015	20/03/2015	31/03/2015
		[5.3] Implementation of UNFC system of classification of mineral reserves.	[5.3.1] Updating and publishing of 'National Mineral Inventory – At a Glance' as on 1.4.2013 for 25 minerals.	Date	3.00	31/12/2014	31/01/2015	28/02/2015	15/03/2015	31/03/2015
		[5.4] Registration under Rule 45 of the MCDR, 1988.	[5.4.1] Number of fresh registration under Rule 45 of the MCDR, 1988.	Number	3.00	2000	1800	1600	1400	1200
		[5.5] Mine inspections to be carried out by IBM.	[5.5.1] Number of Mine inspections to be carried out by IBM.	Number	3.00	2500	2200	2000	1800	1600
[6] Effective supervision of mineral concession system.	16.00	[6.1] Preliminary scrutiny of all new mineral concession proposals.	[6.1.1] Percentage of cases preliminary scrutinized within a period of one and half month from the date of receipt.	Percentage	5.50	100	90	80	70	60
		[6.2] Eliminate pendency of mineral concession proposals over 6 months.	[6.2.1] One-Third Disposal of prior approval cases pending over 6	Percentage	5.50	100	90	80	70	60



## 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%
			months as on 31st December, 2014 by 31st March, 2015.							
		[6.3] Ensure quicker disposal of pending 665 Revision cases (as on 31.12.2013).	[6.3.1] Disposal of cases 216 cases out of pending cases as on 31st Dec.by 31st March of succeeding year i.e 2015.	Number	5.00	216	194	172	151	130
[7] Meeting Governments Obligations under MoU with PSUs.	6.00	[7.1] Fulfillment of MoUs".	[7.1.1] Performance rating of MoU by Ministry of National Aluminium Company Limited (NALCO) .	MoU Composite Score	3.00	1.50	2.50	3.50	4.50	5.00
			[7.1.2] Performance rating of MoU by Ministry of Mineral Exploration Corporation Limited (MECL)	MoU Composite Score	1.50	1.50	2.50	3.50	4.50	5.0
			[7.1.3] Performance rating of MoU by Ministry of Hindustan Copper Limited (HCL).	MoU Composite Score	1.50	1.50	2.50	3.50	4.50	5.00
[8] Promoting R&D; projects.	5.00	[8.1] Execution of R&D project by JNARDDC on "Up-gradation and Utilization of Laterite of	[8.1.1] a) Sample preparation of Laterite of WEST COAST DEPOSITS.	Date	2.00	31/12/2014	31/01/2015	27/02/2015	15/03/2015	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%
		East and West coast deposits " involving beneficiation & optimization of different process parameters for reduction of iron, silica content in the Laterite and optimum utilization of overburden laterite.	b) Complete characterization studies of WEST COAST LATERITE.							
			[8.1.2] a) Experiments for beneficiation studies of west coast laterite. b) Optimization of different process parameters. (viz screening, sieving tests, magnetic separation by WHIMS, roasting, etc.) C) Preparation of interim progress report.	Date	2.00	27/02/2015	28/03/2015	29/03/2015	30/03/2015	31/03/2015
			[8.1.3] Evaluation of Biomarkers for Early Detection of Noise Induced Hearing Loss in Mine Workers by NIMH: Standardization of Biomarkers kits, 2D electrophoresis techniques and Completion of	Date	1.00	10/03/2015	15/03/2015	20/03/2015	25/03/2015	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%
			Fields studies.							
[9] Accelerating partnerships with resource rich countries.	1.00	[9.1] Technology tie ups.	[9.1.1] Initiating discussions for Technology tie ups for modernization of mining, ore beneficiation training, capacity enhancement etc.	Number	1.00	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 Management (GRM) system	Degree of success in implementing GRM	%	1.0	100	95	90	85	80
* 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	% 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).								
		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
		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] Revision of rates of royalty and dead rent as per Section 9 of the MMDR Act, 1957.	[1.1] Seeking the approval of Cabinet to amend scheduled II and III to the MMDR Act, 1957.	[1.1.1] Notification of Amendment of Schedules II and III to the MMDR Act., 1957 after obtaining the approval of Cabinet. (CCEA)	Months	--	--	3	--	--
[2] Moving official amendments to the MMDR (Bill), 2011	[2.1] Seeking approval for official amendments to the MMDR (Bill), 2011.	[2.1.1] Preparation of Cabinet Note for the official amendments.	Date	--	--	15/10/2014	--	--
[3] Facilitating techno-economic and scientific development in the mineral sector.	[3.1] Sub Sectors Development Plans for rock phosphate, aluminium and lead & zinc.	[3.1.1] Preparation of sub Sector Reports for metals.	Date	--	15/02/2014	15/02/2015	--	--
	[3.2] Non-legislative items in National Mineral Policy, 2008	[3.2.1] Implementation of 9 non-legislative items of National Mineral Policy 2008.	Number	8	5	7	4	3
	[3.3] Sustainable Development Framework (SDF) for the Mining Sector.	[3.3.1] Finalization of standard template for SDF for mining sector.	Date	--	--	31/10/2014	--	--
		[3.3.2] Initiating SDF pilot project in two States.	Date	--	--	31/01/2015	--	--
[4] Bringing about improvement in the functioning of GSI.	[4.1] Mission-I: Basic Earth Science Data Generation in Obvious Geological Potential (OGP) Area	[4.1.1] Maps produced by Geochemical Mapping (GCM) on 1:50,000 scale in OGP area.	Sq. Kms	80317	64547.5	80000	80000	80000

### 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
		[4.1.2] Maps produced by Geophysical Mapping (GPM) 1:50,000 scale in OGP area	Sq. Kms	27535	24326	31000	40000	45000
	[4.2] Survey & exploration of sea bed minerals.	[4.2.1] Maps produced by Swath Bathymetry within EEZ area and beyond.	Sq. Kms	59342	30541	55000	60000	60000
		[4.2.2] Reports from Preliminary Mineral investigation within EEZ area.	Sq. Kms	--	--	14000	14000	14000
		[4.2.3] Maps produced by Multi-channel Seismic Survey Mapping within EEZ area and beyond.	Line Km	--	--	6000	6000	6000
	[4.3] Mission-II: Augmentation of Resources for the National Mineral Inventory of IBM and Coal and Lignite.	[4.3.1] Augmentation to National Mineral Inventory being maintained by IBM based on reports from Field Season Program (FSP) ending 31st March 2014	Date	21/01/2013	17/01/2014	28/02/2015	28/02/2016	28/02/2017
	[4.4] Mission-III: Geoinformatics and Dissemination of Earth Science Data to stakeholders:  Phase-III GSI Portal	[4.4.1] Commencement of OCBIS Project (Award of contract - Issue of letter of intent)	Date	--	--	15/09/2014	--	--

### 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
	Project – Implementation of Online Core Business Integrated System. (OCBIS)							
		[4.4.2] Completion of Software Requirement Specification (SRS) study and submission of SRS document by SI.	Date	--	--	07/03/2015	--	--
	[4.5] Quality Management of Geoscientific Activities - Peer Review of reports.	[4.5.1] Validation of reports through Internal Peer Review of 100% reports of the FSP 2013-14.	Date	30/11/2012	30/11/2013	31/01/2015	31/01/2016	31/01/2017
		[4.5.2] Validation of reports through External Peer Review of 20% reports of the FSP 2013-14.	Date	31/07/2013	07/03/2014	07/03/2015	07/03/2016	07/03/2017
	[4.6] Geoinformatics Services & products.	[4.6.1] Making available in public domain reports based on FSP 2013-14 as per Dissemination Policy, by 31st March 2015.	Numbers	264	243	250	250	250
	[4.7] Mission-IV: Multidisciplinary and Fundamental Geoscience, Climate change and Natural	[4.7.1] Production of Seismic Microzonation Maps / Hazard Assessment Maps of	Numbers	11	13	9	9	9

### 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
	Hazard Studies	cities.						
		[4.7.2] Landslide hazard assessment study reports (nos. of projects).	Numbers	16	17	7	7	7
		[4.7.3] Maps produced by Landslide Susceptibility Mapping.	Numbers	--	--	7	7	7
	[4.8] Mission-V: Capacity Building in Earth Science Sector: Human Resource Development & Capacity building for Central & State Government and other stakeholders.	[4.8.1] Skill upgradation and capacity building of officers of GSI through training (number of trainees)	Numbers	1615	1229	1100	1100	1100
		[4.8.2] Skill upgradation and capacity building of officers of State Govts, PSUs, International Participants etc through training (number of trainees)	Numbers	326	232	225	225	225
[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] Obtaining Government orders for restructuring of functioning of IBM.	Date	--	--	15/02/2015	--	--



### 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
	[5.2] Implementation of Project of Mining Tenement.	[5.2.1] Award of work after completion of tendering process.	Date	--	--	15/01/2015	--	--
		[5.2.2] Approval of Inception Report.	Date	--	--	10/03/2015	--	--
	[5.3] Implementation of UNFC system of classification of mineral reserves.	[5.3.1] Updating and publishing of 'National Mineral Inventory – At a Glance' as on 1.4.2013 for 25 minerals.	Date	--	--	31/01/2015	--	--
	[5.4] Registration under Rule 45 of the MCDR, 1988.	[5.4.1] Number of fresh registration under Rule 45 of the MCDR, 1988.	Number	--	--	1800	--	--
	[5.5] Mine inspections to be carried out by IBM.	[5.5.1] Number of Mine inspections to be carried out by IBM.	Number	--	--	2200	--	--
[6] Effective supervision of mineral concession system.	[6.1] Preliminary scrutiny of all new mineral concession proposals.	[6.1.1] Percentage of cases preliminary scrutinized within a period of one and half month from the date of receipt.	Percentage	90	90	90	90	90
	[6.2] Eliminate pendency of mineral concession proposals over 6 months.	[6.2.1] One-Third Disposal of prior approval cases pending over 6 months as on 31st December, 2014 by 31st March, 2015.	Percentage	90	90	90	90	90
	[6.3] Ensure quicker disposal of pending	[6.3.1] Disposal of cases 216 cases out of	Number	--	--	194	--	--

### 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
	665 Revision cases (as on 31.12.2013).	pending cases as on 31st Dec.by 31st March of succeeding year i.e 2015.						
[7] Meeting Governments Obligations under MoU with 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	--	--
		[7.1.2] Performance rating of MoU by Ministry of Mineral Exploration Corporation Limited (MECL)	MoU Composite Score	2.44	2.50	2.50	2.50	2.50
		[7.1.3] Performance rating of MoU by Ministry of Hindustan Copper Limited (HCL).	MoU Composite Score	1.87	2.50	2.50	2.50	2.50
[8] Promoting R&D; projects.	[8.1] Execution of R&D project by JNARDDC on "Up-gradation and Utilization of Laterite of East and West coast deposits " involving beneficiation & optimization of different process parameters for reduction of iron, silica content in the Laterite and optimim utilization of	[8.1.1] a) Sample preparation of Laterite of WEST COAST DEPOSITS. b) Complete characterization studies of WEST COAST LATERITE.	Date	--	--	31/01/2015	--	--

### 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
	overburden laterite.							
		[8.1.2] a) Experiments for beneficiation studies of west coast laterite. b) Optimization of different process parameters. (viz screening, sieving tests, magnetic separation by WHIMS, roasting, etc.) C) Preparation of interim progress report.	Date	--	--	28/03/2015	--	--
		[8.1.3] Evaluation of Biomarkers for Early Detection of Noise Induced Hearing Loss in Mine Workers by NIMH: Standardization of Biomarkers kits, 2D electrophoresis techniques and Completion of Fields studies.	Date	--	--	15/03/2015	--	--
[9] Accelerating partnerships with resource rich countries.	[9.1] Technology tie ups.	[9.1.1] Initiating discussions for Technology tie ups for modernization of mining, ore beneficiation	Number	--	--	4	--	--

### 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
		training, capacity enhancement etc.						
* Efficient Functioning of the RFD System	Timely submission of Draft RFD for 2015-2016 for Approval	On-time submission	Date	--	--	06/03/2015	--	--
	Timely submission of Results for 2013-2014	On-time submission	Date	--	--	02/05/2014	--	--
* 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	--	--
	Independent Audit of implementation of Grievance Redress Management (GRM) system	Degree of success in implementing GRM	%	--	--	95	--	--
* Reforming Administration	Update departmental strategy to align with revised priorities	Date	Date	--	--	02/11/2014	--	--
	Implement agreed milestones of approved Mitigating Strategies for Reduction of potential risk of corruption (MSC).	% of Implementation	%	--	--	90	--	--
	Implement agreed milestones for implementation of ISO 9001	% of implementation	%	--	--	95	--	--
	% of Responsibility Centres with RFD in RFMS	Responsibility Centres covered	%	--	--	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
	Implement agreed milestones of approved Innovation Action Plans (IAPs).	% of implementation	%	--	--	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	--	--
	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.	%	--	--	90	--	--
	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	--	--
	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	--	--

\* Mandatory Objective(s)

## Section 4: Acronym

Sl.No	Acronym	Description
1	CCEA	Cabinet Committee on Economic Affairs
2	EEZ	Exclusive Economic Zone
3	FS	Field Season
4	FSP	Field Season Programme
5	GPM	Geophysical Mapping
6	GSITI	Geological survey of India Training Institute

## Section 4: Acronym

Sl.No	Acronym	Description
7	IBM	Indian Bureau of Mines
8	JWG	Joint Working Group
9	MCAS	Mineral Concession Approval System
10	MCDR	Mineral Conservation and Development Rules, 1988
11	MMDR Act	Mines and Minerals Development and Regulation Act, 1957
12	NMI	National Mineral Inventory

## Section 4: Acronym

SI.No	Acronym	Description
13	OCBIS	Online Core Business Integrated System
14	OGP	Obvious Geological Potential
15	PDAC	Prospectors and Developers Association of Canada
16	PSU&#039;s	Public Sector Undertakings
17	R & Projects	Research & Development Projects
18	SDF	Sustainable Development Framework



## Section 4: Acronym

Sl.No	Acronym	Description
19	WHIMS	Wet High Intensity Magnetic Separation

## 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] Notification of Amendment of Schedules II and III to the MMDR Act., 1957 after obtaining the approval of Cabinet. (CCEA)	Revision of rates of royalty.	Royalty as per rates prescribed in the IIInd Schedule to the MMDR Act, 1957 is payable on minerals extracted.	Achievement vis-à-vis targets.	Requirements of comments / views on the Proposal. Approval of the Union Cabinet.
2	[3.1.1] Preparation of sub Sector Reports for metals.	Sub Sectors Development Plans for rock phosphate, aluminium and lead & zinc for facilitating the mineral industry with data on demand, supply, consumption, import, export, resource position, raw-material security and acquisition of mineral concession for commercial purposes.	Sub-sector development plans are being prepared with a view to understand the use patterns and value chain of minerals, domestic resources, mining practices, production potential, beneficiation technologies available, domestic demand and supply scenario, world scenario, global trade and consumption . In addition, demand supply analysis, issues and challenges, and strategic plans for development of these mineral will also be covered in these reports.	Date	
3	[3.2.1] Implementation of 9 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	Number	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
3	[3.2.1] Implementation of 9 non-legislative items of National Mineral Policy 2008.	Non-legislative items in National Mineral Policy, 2008.	initiatives have been enunciated in the National Mineral Policy – 2008.	Number	
4	[3.3.1] 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.	Date	
5	[3.3.2] Initiating SDF pilot project in two States.	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	
6	[4.1.1] Maps produced by Geochemical Mapping (GCM) on 1:50,000 scale in OGP area.	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 January 2014, 3.99 lakh sq. km. has been completed.

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
7	[4.1.2] Maps produced by Geophysical Mapping (GPM) 1:50,000 scale in OGP area	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 January 2014, 2.2 lakh sq. km. has been completed.
8	[4.2.3] Maps produced by Multi-channel Seismic Survey Mapping within EEZ area and beyond.	Multi-channel Seismic Survey within EEZ and beyond EEZ.	Seismic survey for determining sub-oceanic structural and resource information.	Line Km.	New survey technology added to GSI's arsenal for exploring sub-oceanic features and resources.
9	[4.3.1] Augmentation to National Mineral Inventory being maintained by IBM based on reports from Field Season Program (FSP) ending 31st March 2014	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.
10	[4.4.1] Commencement of OCBIS Project (Award of contract - Issue of letter of intent)	Related to OCBIS project which is being undertaken by GSI.	Online core Business integrated system is proposed for implemented by GSI for which DPR and EFC have been 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 and help implementing GSI's dissemination policy.

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
11	[4.5.1] Validation of reports through Internal Peer Review of 100% reports of the FSP 2013-14.	Reports generated based on the FS are internally peer reviewed for validating and quality auditing.	Quality Management of GSI activities.	Date	Quality management is implemented in GSI by reviewing through external and internal peer groups of both the formulated programmes and the reports generated.
12	[4.5.2] Validation of reports through External Peer Review of 20% reports of the FSP 2013-14.	Reports generated based on FS are externally peer reviewed for quality auditing.	Quality Management of GSI activities.	Date	Quality management is implemented in GSI by reviewing through external and internal peer groups of both the formulated programmes and the reports generated.
13	[4.6.1] Making available in public domain reports based on FSP 2013-14 as per Dissemination Policy, by 31st March 2015.	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.	Number	FS programme result in report generation which are uploaded on GSI portal for dissemination to all stake holders.
14	[5.3.1] Updating and publishing of 'National Mineral Inventory – At a Glance' as on 1.4.2013 for 25 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	
15	[6.1.1] Percentage of cases preliminary scrutinized within a period of one and half month from the date of receipt.	Updating website database in MCAS on real time basis showing pendency of new mineral concession proposals. All cases shall be preliminary scrutinized	Eliminate pendency of mineral concession proposal over 6 months.	Percentage	

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
15	[6.1.1] Percentage of cases preliminary scrutinized within a period of one and half month from the date of receipt.	with in a period of one month from the date of receipt.	Eliminate pendency of mineral concession proposal over 6 months.	Percentage	
16	[6.2.1] One-Third Disposal of prior approval cases pending over 6 months as on 31st December, 2014 by 31st March, 2015.	Disposal of prior approval cases pending over 6 months as on 31st December, 2014 by 31st March, 2015.	Preliminary scrutiny of all new mineral concession proposals.	Percentage	
17	[7.1.1] Performance rating of MoU by Ministry of National Aluminium Company Limited (NALCO) .	Review of MoU with NALCO.	Memorandum of understanding signed between NALCO and the Ministry.	MoU rating.	
18	[7.1.2] Performance rating of MoU by Ministry of Mineral Exploration Corporation Limited (MECL)	Review of MoUs with MECL.	Memorandum of Understanding signed between MECL and the Ministry.	MoU Rating.	
19	[7.1.3] Performance rating of MoU by Ministry of Hindustan Copper 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
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## 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	[4.1.2] Maps produced by Geophysical Mapping (GPM) 1:50,000 scale in OGP area	Budget grant required	Delay in procurements of Geophysical Instruments (Gravimeter and DGPS) will lead to shortfall of target achievement.	Budget allocation during financial year 2014-15	Shortfall in XII Plan achievement
				[4.2.1] Maps produced by Swath Bathymetry within EEZ area and beyond.	Budget grant required	Budget requirement for operation and maintenance of the new vessel R.V. Samudra Ratnakar	Budget allocation during financial year 2014-15	Shortfall in XII Plan achievement
				[4.2.2] Reports from Preliminary Mineral investigation within EEZ area.	Budget grant required	Budget requirement for operation and maintenance of the new vessel R.V. Samudra Ratnakar	Budget allocation during financial year 2014-15	Delay in exploration of off-shore oceanic resources
				[4.2.3] Maps produced by Multi-channel Seismic Survey Mapping within EEZ area and beyond.	Budget grant required	Budget requirement for operation and maintenance of the new vessel R.V. Samudra Ratnakar	Budget allocation during financial year 2014-15	Delay in exploration of off-shore oceanic resources
				[4.4.1] Commencement of OCBIS Project (Award of contract - Issue of letter of intent)	Budget grant for implementing the project OCBIS	Implementation of OCBIS is subject to the availability of grant in time during FY 2014-15	Budget allocation during financial year 2014-15	The project will not be implemented.
				[4.5.2] Validation of reports through External Peer Review of 20% reports of the FSP 2013-14.	Within time limit, the external reviewers to return the reports with comments / suggestions.	To adhere to the time schedule of finalization of the reports.	Within 15 days after the receipt of the report, the reviewers need to return the same.	GSI will fail to finally put the report in the GSI portal for the stakeholders.



## 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.
				[4.6.1] Making available in public domain reports based on FSP 2013-14 as per Dissemination Policy, by 31st March 2015.	Budget grant required	Delay in procurements of Geophysical Instruments will lead to abnormal delay in implementing GPM programme.	Budget allocation during financial year 2014-15	Delay in submission of report and consequently deferred uploading of reports in GSI portal resulting in delay in Dissemination.

## 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 Augmenting the mineral resources base of the country.	Forest clearance from MoEF/State Govt., wherever required.	Preparation of Geological Report after completion of exploration activity.	Nos	23	17	12	15	16
		Development of mines for production of ore for the clients.	No of Clients	2	2	2	2	2
2 Baseline data generation through increased coverage of the OGP areas in geology, geochemistry and geophysics.	GSI, NGRI, AMD, State Governments, Geoscience Institutions, Universities.	Geochemical Mapping (GCM)	% of OGP	9	9	9	10	10
		Geophysical Mapping (GPM)	% of OGP	3.3	3.7	5	5	5
3 Seabed Mapping within EEZ.	GSI, MoES.	Swath Bathymetry.	Sq. Km	57000	55000	60000	60000	60000
4 Augmentation in resources of National Mineral Inventories.	GSI, IBM, MECL, NMDC, MOIL, State Governments of all mineral-bearing States, all stakeholders in mineral industry.	( Type of Minerals )  * Iron, Manganese, Gold, Basemetal, Phosphorite, Limestone.  # Iron, Manganese, Gold, Basemetal, PGE, REE,W Diamond, Limestone	Nos	6*	8#	8#	8#	8#
5 Updation of Resources of Natural Energy.	GSI, MECL, Ministry of Coal, States,	Augmentation of Coal & Lignite  * GSI has estimated coal resource of 3171.62 million tonnes in 12 Exploration blocks and 483.60 million	Million tonnes / nos. of blocks	*	**	8#	8#	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
		tonnes of lignite in 3 lignite blocks (till 31. 3.2013).  ** GSI has estimated coal resource of 1920.96 million tonnes in 7 Exploration blocks (till 30. 11.2013).  # Blocks from various Coal and Lignite Fields						
6 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.	Geoinformatics Services & products : uploaded in GSI Portal as per the GSI's Dissemination Policy	Nos. of Reports	264	270	270	270	270
7 Capacity Building in Geosciences.	All organizations of the country related with Geosciences.	Training courses for GSI officers, State Govts., PSUs, Other national and international participants.	Nos. of courses	90	70	70	70	70
8 Revision of Rates of Royalty.	1. M/o Mines 2. D/o Legal Affairs. 3. Planning Commission 4. M/o Steel 5. M/o Petroleum and Natural Gas. 6. D/o Economic Affairs 7. M/o Coal 8. D/o fertilizers. 9. D/o Atomic Energy 10. D/o Commerce 11. D/o Industrial Policy and Promotion	Notification of Amendment of schedules II and III to the MMDR Act, 1957 after obtaining the approval of Cabinet.	Months	-	-	2	-	-