



Government of India

R F D

(Results-Framework Document)
for

Indian Bureau of Mines

(2013-2014)

Section 1: Vision, Mission, Objectives and Functions

Vision

“IBM to perform as a National Technical Regulator and to discharge the developmental functions for the sustainable development of the mineral industry and to work as repository of database on mines and minerals”

Mission

1) To ensure effective regulation of Indian Mineral Sector which promotes long term benefits for its sustainable growth.2) to provide capacity building to State regulatory agencies and also to provide quality technical assistance to the mineral industry. 3) To work as data bank on mines and minerals and to disseminate mineral information for policy formulations.

Objectives

- 1 Inspection of Mines
- 2 Regional Mineral Development Studies (RMDS)
- 3 Preparation of Mineral Maps with Forest Overlays
- 4 Development of Project on computerized online register of Mining Tenement System (MTS)
- 5 Ore Dressing Investigations
- 6 Indian Minerals Year Book (IMYB)
- 7 Compilation of Monthly Statistics on Mineral Production (MSMP)
- 8 ISO 9001-2008 Certification for Regional Offices of IBM
- 9 Development of ore accounting software through Detailed Project Report (DPR).
- 10 Technical Consultancy and Mining Research Studies
- 11 Implementation of IBM Review and Restructuring Committee Recommendations.
- 12 Internal audit for MCDR Inspections.
- 13 Scrutiny and processing of Statutory Returns.

Functions

- 1 a) Indian Bureau of Mines is engaged in the promotion of scientific development of mineral resources of the country, conservation of minerals, protection of environment in mines, other than coal, petroleum and natural gas, atomic mineral and minor minerals.
- 2 b) Regulatory functions, with respect to the relevant provisions of the Mines and Minerals (Development and Regulation) Act, 1957 and enforcement of the rules framed there under namely Mineral Conservation and

Section 1: Vision, Mission, Objectives and Functions

Development Rules, 1988 and Mineral Concession Rules, 1960.

- 3 c) Monitoring certain provisions of the Environmental (Protection) Act, 1986 and Rules made there under.
- 4 d) Undertakes scientific, techno-economic, research oriented studies in various aspects of mining, geological studies and environmental studies.
- 5 e) Research & Development studies in the field of mineral beneficiation, mineral characterization, chemical analysis and analysis of environmental samples.
- 6 f) Preparation of mineral maps and a countrywide inventory of mineral resources of leasehold and freehold areas.
- 7 g) Promotion and monitor community development activities in mining areas.
- 8 h) Functioning as data bank of mines and minerals and publishes statistical periodicals.
- 9 i) Bringing out technical publications/ monographs on individual mineral commodities and bulletins of topical interest.
- 10 j) Play advisory role to Central and State Governments on all aspects of mineral industry, trade, legislation, etc.
- 11 K) Imparts training to technical and non-technical officials of IBM and also persons from the mineral industry and other agencies in India and abroad.

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

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
[1] Inspection of Mines	15.00	[1.1] Inspection of Mines for enforcement of Provisions of MCDR,1988, Inspections for processing of Mining Plans and Scheme of Mining including Mine Closure Plan and inspections for processing of FMCP/PMCP	[1.1.1] Completion of 2500 inspections	Number	15.00	2500	2250	2000	1750	1500
[2] Regional Mineral Development Studies (RMDS)	5.00	[2.1] Regional Mineral Development Studies.	[2.1.1] Completion of 12 RMDS	Number	5.00	12	11	10	9	8
[3] Preparation of Mineral Maps with Forest Overlays	5.00	[3.1] Updation of Multi-Mineral leasehold maps with corresponding forest overlays on a scale 1:50,000.	[3.1.1] Completion of 100 Mineral Maps	Number	5.00	100	90	80	70	60
[4] Development of Project on computerized online register of Mining Tenement System (MTS)	10.00	[4.1] Selection of System Integrator and issue of Work Order	[4.1.1] Selection of System Integrator and issue of Work Order for MTS	Date	10.00	31/01/2014	28/02/2014	31/03/2014	--	--
[5] Ore Dressing Investigations	10.00	[5.1] Ore Dressing Investigations	[5.1.1] Completion of 60 OD investigations	Number	10.00	60	54	48	42	36
[6] Indian Minerals Year Book (IMYB)	10.00	[6.1] IMYB 2012 - Preparation of reviews, technical editing, general editing and formatting.	[6.1.1] Publication of IMYB 2012 with 80 reviews	Number	5.00	80	72	64	56	48
		[6.2] IMYB 2013- Finalization of end use mineral consumption Data and generation of tables	[6.2.1] Preparation of 50 tables for IMYB 2013	Number	5.00	50	45	40	35	30
[7] Compilation of Monthly Statistics on Mineral Production (MSMP)	5.00	[7.1] Receipts of returns, processing and data	[7.1.1] Publication of 12 issues of MSMP	Number	5.00	12	11	10	9	8

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

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
		entry and final submission to IBM press for publication								
[8] ISO 9001-2008 Certification for Regional Offices of IBM	9.00	[8.1] Documentation for ISO	[8.1.1] Certification of 3 IBM Regional Offices	Number	9.00	3	2	1	--	--
[9] Development of ore accounting software through Detailed Project Report (DPR).	3.00	[9.1] Selection of System Integrator and issue of Work Order	[9.1.1] Selection of System Integrator and issue of Work Order for OAS	Date	3.00	31/01/2014	28/02/2014	31/03/2014	--	--
[10] Technical Consultancy and Mining Research Studies	3.00	[10.1] Techno-economic evaluation studies, feasibility studies and other mining research studies	[10.1.1] Completion of 04 Technical and Mining Research Studies	Number	3.00	4	3	2	1	--
[11] Implementation of IBM Review and Restructuring Committee Recommendations.	4.00	[11.1] Preparation of manual, guidelines and criteria for multi discipline inspections for mechanized mines and amendment in necessary statutes for authorization of OD officers to make field inspections.	[11.1.1] Preparation of manual, guidelines for inspections	Date	1.00	31/08/2013	30/09/2013	31/10/2013	30/11/2013	31/12/2013
		[11.2] Preparation of Vision document for Manganese mineral by OD Division.	[11.2.1] Preparation of Vision document for Manganese	Date	1.00	31/12/2013	31/01/2014	28/02/2014	15/03/2014	31/03/2014
		[11.3] Preparation of criteria for Standing Committee with specific term and references as proposed in Committee report for review of IMYB publication in the lines	[11.3.1] Preparation of criteria for Standing Committee for review of IMYB publication	Date	1.00	30/06/2013	31/07/2013	31/08/2013	30/09/2013	31/10/2013

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%
		of USGS/ BGS.								
		[11.4] Preparation of IBM's training policy, in lines with National Training Policy, guidelines, curriculum for various training programmes/ modules, selection of faculty etc.	[11.4.1] Preparation of IBM's training policy, curriculum modules etc	Date	1.00	01/02/2014	15/02/2014	28/02/2014	15/03/2014	31/03/2014
[12] Internal audit for MCDR Inspections.	5.00	[12.1] Internal audit by Zonal offices for MCDR Inspections carried out by Regional offices.	[12.1.1] 5% of 2500 Inspections	Number	5.00	125	113	100	88	75
[13] Scrutiny and processing of Statutory Returns.	5.00	[13.1] Scrutiny and Processing of Monthly and Annual Returns submitted by the lease holders.	[13.1.1] Scrutiny of 25000 statutory returns	Number	5.00	25000	22500	20000	17500	15000
* Efficient Functioning of the RFD System	3.00	Timely submission of Draft RFD (2013-14) for approval	On-time submission	Date	2.0	15/05/2013	16/05/2013	17/05/2013	20/05/2013	21/05/2013
		Timely submission of Results for RFD (2012-13)	On-time submission	Date	1.0	01/05/2013	02/05/2013	05/05/2013	06/05/2013	07/05/2013
* Administrative Reforms	4.00	Implement ISO 9001 as per the approved action plan.	% Implementation	%	2.0	100	95	90	85	80
		Prepare an action plan for Innovation	On time submission	Date	2.0	30/07/2013	10/08/2013	20/08/2013	30/08/2013	10/09/2013
* Improving Internal Efficiency /responsiveness / service delivery of Ministry / Department	4.00	Implementation of Sevottam	Independent Audit of Implementation of Citizen's Charter	%	2.0	100	95	90	85	80

* Mandatory Objective(s)

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

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
			Independent Audit of implementation of public grievance redressal system	%	2.0	100	95	90	85	80

* 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] Inspection of Mines	[1.1] Inspection of Mines for enforcement of Provisions of MCDR, 1988, Inspections for processing of Mining Plans and Scheme of Mining including Mine Closure Plan and inspections for processing of FMCP/PMCP	[1.1.1] Completion of 2500 inspections	Number	2563	2520	2250	2500	2500
[2] Regional Mineral Development Studies (RMDS)	[2.1] Regional Mineral Development Studies.	[2.1.1] Completion of 12 RMDS	Number	--	12	11	12	12
[3] Preparation of Mineral Maps with Forest Overlays	[3.1] Updation of Multi-Mineral leasehold maps with corresponding forest overlays on a scale 1:50,000.	[3.1.1] Completion of 100 Mineral Maps	Number	--	100	90	100	100
[4] Development of Project on computerized online register of Mining Tenement System (MTS)	[4.1] Selection of System Integrator and issue of Work Order	[4.1.1] Selection of System Integrator and issue of Work Order for MTS	Date	--	--	28/02/2014	--	--
[5] Ore Dressing Investigations	[5.1] Ore Dressing Investigations	[5.1.1] Completion of 60 OD investigations	Number	65	59	54	60	60
[6] Indian Minerals Year Book (IMYB)	[6.1] IMYB 2012 - Preparation of reviews, technical editing, general editing and formatting.	[6.1.1] Publication of IMYB 2012 with 80 reviews	Number	80	80	72	80	--
	[6.2] IMYB 2013- Finalization of end use mineral	[6.2.1] Preparation of 50 tables for IMYB 2013	Number	--	--	45	--	--

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
	consumption Data and generation of tables							
[7] Compilation of Monthly Statistics on Mineral Production (MSMP)	[7.1] Receipts of returns, processing and data entry and final submission to IBM press for publication	[7.1.1] Publication of 12 issues of MSMP	Number	11	8	11	12	12
[8] ISO 9001-2008 Certification for Regional Offices of IBM	[8.1] Documentation for ISO	[8.1.1] Certification of 3 IBM Regional Offices	Number	--	6	2	3	--
[9] Development of ore accounting software through Detailed Project Report (DPR).	[9.1] Selection of System Integrator and issue of Work Order	[9.1.1] Selection of System Integrator and issue of Work Order for OAS	Date	--	--	28/02/2014	--	--
[10] Technical Consultancy and Mining Research Studies	[10.1]Techno-economic evaluation studies, feasibility studies and other mining research studies	[10.1.1] Completion of 04 Technical and Mining Research Studies	Number	--	--	3	4	4
[11] Implementation of IBM Review and Restructuring Committee Recommendations.	[11.1]Preparation of manual, guidelines and criteria for multi discipline inspections for mechanized mines and amendment in necessary statutes for authorization of OD officers to make field inspections.	[11.1.1] Preparation of manual, guidelines for inspections	Date	--	--	30/09/2013	--	--
	[11.2]Preparation of Vision document for Manganese mineral	[11.2.1] Preparation of Vision document for Manganese	Date	--	--	31/01/2014	--	--

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
	by OD Division.							
	[11.3]Preparation of criteria for Standing Committee with specific term and references as proposed in Committee report for review of IMYB publication in the lines of USGS/ BGS.	[11.3.1] Preparation of criteria for Standing Committee for review of IMYB publication	Date	--	--	31/07/2013	--	--
	[11.4]Preparation of IBM's training policy, in lines with National Training Policy, guidelines, curriculum for various training programmes/ modules, selection of faculty etc.	[11.4.1] Preparation of IBM's training policy, curriculum modules etc	Date	--	--	15/02/2014	--	--
[12] Internal audit for MCDR Inspections.	[12.1]Internal audit by Zonal offices for MCDR Inspections carried out by Regional offices.	[12.1.1] 5% of 2500 Inspections	Number	--	75	113	--	--
[13] Scrutiny and processing of Statutory Returns.	[13.1]Scrutiny and Processing of Monthly and Annual Returns submitted by the lease holders.	[13.1.1] Scrutiny of 25000 statutory returns	Number	--	31436	22500	--	--
* Efficient Functioning of the RFD System	Timely submission of Draft RFD (2013-14) for	On-time submission	Date	--	--	16/05/2013	--	--

* 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
	approval							
	Timely submission of Results for RFD (2012-13)	On-time submission	Date	--	--	02/05/2013	--	--
* Administrative Reforms	Implement ISO 9001 as per the approved action plan.	% Implementation	%	--	--	95	--	--
	Prepare an action plan for Innovation	On time submission	Date	--	--	10/08/2013	--	--
* Improving Internal Efficiency /responsiveness / service delivery of Ministry / Department	Implementation of Sevottam	Independent Audit of Implementation of Citizen's Charter	%	--	--	95	--	--
		Independent Audit of implementation of public grievance redressal system	%	--	--	95	--	--

* Mandatory Objective(s)

Section 4: Acronym

Sl.No	Acronym	Description
1	DGCI & S	Directorate General of Commercial Intelligence and Statistics
2	DPR	Detailed Project Report
3	FMCP	Final Mine Closure Plan
4	IBM	Indian Bureau of Mines
5	IMYB	Indian Minerals Year Book
6	MCDR	Mineral Conservation and Development Rules, 1988

Section 4: Acronym

Sl.No	Acronym	Description
7	MCR	Mineral Concession Rules, 1960
8	MMDR Act	Mines and Minerals development and Regulation Act, 1957
9	MSMP	Monthly Statistics on Mineral Production
10	MTS	Mining Tenement System
11	NMI	National Mineral Inventory
12	OAS	Ore Accounting Software

Section 4: Acronym

Sl.No	Acronym	Description
13	OD	Ore Dressing
14	PMCP	Progressive Mine Closure Plan
15	RMDS	Regional Mineral Development Studies

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] Completion of 2500 inspections	Inspection of Mines for enforcement of Provisions of MCDR,1988, Inspections for processing of Mining Plans and Scheme of Mining including Mine Closure Plan and inspections for processing of FMCP/PMCP	Inspection of Mines are being undertaken for proper implementation of the statute to ensure scientific and systematic mining, environmental protection and mineral conservation	Number	These activities contribute to systematic & scientific development of mineral deposits, conservation of minerals, protection of environment, check on illegal mining and monitoring of community development, sustainable closure of mines, updation of inventory of minerals and implementation of threshold values of minerals
2	[2.1.1] Completion of 12 RMDS	Regional Mineral Development Studies	Regional Mineral Development Studies are being undertaken to assess the regional status of a particular mineral in question.	Numbe	These activities contribute to systematic & scientific development of mineral deposits, conservation of minerals, protection of environment, check on illegal mining and monitoring of community development, sustainable closure of mines, updation of inventory of minerals and implementation of threshold values of minerals

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
3	[3.1.1] Completion of 100 Mineral Maps	Updation of Multi-Mineral leasehold maps with corresponding forest overlays on a scale 1:50,000	Mineral Maps with Forest Overlays are being prepared to understand the availability of the national mineral wealth available in forest and non-forest areas	Number	Multi mineral maps enable to chalk out future plans for ecological sustainable development of mineral deposits
4	[4.1.1] Selection of System Integrator and issue of Work Order for MTS	Selection of System Integrator and issue of Work Order	The project on computerized on-line register of mining tenement system will facilitate for the 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	Nil

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
5	[5.1.1] Completion of 60 OD investigations	Ore Dressing Investigations	Ore Dressing Investigations are being done to develop a method for up gradation of the lean ore. This is a supporting activity for conservation and utilization of lean ores	Number	These activities ensure value addition to low / sub-grade ores and optimum recovery of ores and minerals. Environmental parameters can be monitored through analysis of environmental samples.
6	[6.1.1] Publication of IMYB 2012 with 80 reviews	IMYB 2012 - Preparation of reviews, technical editing, general editing and formatting	Indian Minerals Year Book, a flagship publication of IBM being published yearly, is a book on complete information of Indian minerals	Number	Fulfillment of the target is subject to the availability of sanctioned strength of officers & staff, throughout the year
7	[6.2.1] Preparation of 50 tables for IMYB 2013	IMYB 2013- Finalization of end use mineral consumption Data and generation of tables	Indian Minerals Year Book, a flagship publication of IBM being published yearly, is a book on complete information of Indian minerals	Number	Fulfillment of the target is subject to the availability of sanctioned strength of officers & staff, throughout the year
8	[7.1.1] Publication of 12 issues of MSMP	Receipts of returns, processing and data entry and final submission to IBM press for publication	IBM being a nation's data bank on mines & minerals, hence monthly statistics on mineral production is published by IBM. Data compilation is being done based on the monthly and annual	Number	In addition to collection of data from statutory sources, IBM also collects data from other sources like all State Govts., DGCI & S, Kolkata, Coal Controller, Kolkata, Ministry of Commerce & Industry, Ministry of Steel, Ministry of Petroleum &

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
8	[7.1.1] Publication of 12 issues of MSMP	Receipts of returns, processing and data entry and final submission to IBM press for publication	returns submitted by lease holders to IBM	Number	Natural Gas, New Delhi, DGMS etc., Therefore completion of these publications are subject to timely receipt of data from these sources and availability of sanctioned strength of officers / staff throughout the year.
9	[8.1.1] Certification of 3 IBM Regional Offices	Documentation for ISO	By obtaining ISO 9001 to IBM, the objective of quality service will be achieved	Number	Nil
10	[9.1.1] Selection of System Integrator and issue of Work Order for OAS	Development of Ore Accounting Software through DPR	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	Nil
11	[10.1.1] Completion of 04 Technical and Mining Research Studies	Technical Consultancy and Mining Research Studies	Techno-economic evaluation studies, feasibility studies and other mining research studies to find out the solutions for issues and	Number	Nil

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
11	[10.1.1] Completion of 04 Technical and Mining Research Studies	Technical Consultancy and Mining Research Studies	concerns at regional level.	Number	Nil
12	[11.1.1] Preparation of manual, guidelines for inspections	Implementation of HPC Recommendations made by the Committee like Preparation of manual, guidelines for inspections	Bringing about improvement in the functioning of IBM through implementation of recommendations made by Review and Restructuring Committee	Date	Nil
13	[11.2.1] Preparation of Vision document for Manganese	Preparation of Vision document for Manganese	Bringing about improvement in the functioning of IBM through implementation of recommendations made by Review and Restructuring Committee	Date	Nil
14	[11.3.1] Preparation of criteria for Standing Committee for review of IMYB publication	Preparation of criteria for Standing Committee for review of IMYB publication	Bringing about improvement in the functioning of IBM through implementation of recommendations made by Review and Restructuring Committee	Date	Nil

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

SI.No	Success indicator	Description	Definition	Measurement	General Comments
15	[11.4.1] Preparation of IBM's training policy, curriculum modules etc	Preparation of IBM's training policy, curriculum modules etc	Bringing about improvement in the functioning of IBM through implementation of recommendations made by Review and Restructuring Committee	Date	Nil
16	[12.1.1] 5% of 2500 Inspections	Internal audit by Zonal offices for MCDR Inspections carried out by Regional offices.	Internal audit by Zonal offices for MCDR Inspections carried out by Regional offices for effective implementation of MCDR 1988 and its administration in mining areas.	Number	Nil
17	[13.1.1] Scrutiny of 25000 statutory returns	Scrutiny and Processing of Monthly and Annual Returns submitted by the lease holders.	Majority of data compilation is being done based on the monthly and annual returns submitted by lease holders to IBM. Hence thorough verification and authenticity of data needs to be checked	Number	Nil

Section 5 : Specific Performance Requirements from other Departments

Location Type	State	Organisation Type	Organisation Name	Relevant Success Indicator	What is your requirement from this organisation	Justification for this requirement	Please quantify your requirement from this Organisation	What happens if your requirement is not met.
Central Government		Departments	testorg	[7.1.1] Publication of 12 issues of MSMP	Timely and correct submission of monthly and annual returns by the lease holders and timely receipt of data from DGCI & S Kolkata	Timely release of publication i.e. Monthly statistics on mineral production:	submission of monthly and annual returns by the lease holders and data from DGCI & S Kolkata on mineral statistics	Difficult to release publication in the stipulated time.

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 Development of computerized online database for instant information to prospective investors on area availability for mineral concessions (MTS)	State Governments and NIC	Selection of System Integrator and issue of Work Order for MTS	Date			31/01/2014		
2 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 OAS:	Railways, Ministry of Shipping (Ports), Department of Customs and State Governments	Selection of System Integrator and issue of Work Order for OAS	Date			31/01/2014		
3 Provide information support to the Government & Mineral industry on minerals and mineral based industries (IMYB)	Concerned Ministries Departments of Central Govt. and PSU etc.	Publication of IMYB 2012 with 80 reviews	Number	80	80	80	80	
4 Generation and dissemination of statistical information on various economic activities on mines and minerals for computation of index	DGCI & S Kolkata and PSUs	Publication of 12 issues of MSMP	Number	11	8	12	12	12

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
of industrial production and royalty calculations. (MSMP)								