**FIMIAWARDS SCHEME2016– 17**

**FIMI’s EXCELLENCE, ENVIRONMENT,**

**HEALTH & SAFETY**

**AND SOCIAL AWARENESS AWARDS**

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#  CATEGORY OF AWARDS

# FIMI EXCELLENCE AWARD – 1 Award

1. **Bala Gulshan Tandon Excellence Award**

The award is designed to recognize excellence in the overall performance – economic, social, environmental and health & safety - of the applicant mine. In the overall scheme of assessment, dimensions which are germane to excellence such as commitment, self-evaluation, transparency, governance etc. are also given due and significant importance. This particular award was instituted in 2004-05 and is open for application to all categories of mines.

**Eligibility:** All ‘A’ Category mines are eligible to apply for this Award, except:

* Mines which have won “FIMI’s Excellence Award” in last three years (i.e. since 2013-14)

# FIMI ENVIRONMENT AWARDS – 4 Awards

Mining has a direct implication on the natural environment. Environmental compliance and management therefore play a prominent role in mining activity. In order to encourage mineral conservation, preservation of bio-diversity and maintain ecological balance around mining activity all over the country, FIMI has instituted four Environment Awards.

1. **Subh Karan Sarawagi Environment Award** – **for Opencast Metalliferous Mines**

*Mines working for winning* ***metallic minerals*** *like Iron ore, Bauxite etc. using opencast mechanized mining method are eligible for this Award. The extent of mechanization includes deployment of HEMM like hydraulic excavators, shovels, wheel loaders and tippers, carrying out deep hole drilling & blasting etc.*

**Eligibility:** All ‘A’ Category mines will be eligible to apply, except:

* Mines which have won “FIMI’s Excellence Award” in last three years (i.e. since 2013-14)
* Mines which have won any of the “FIMI’s Environment Award” in last three years (i.e. since 2013-14)
1. **Abheraj Baldota Environment Award – for Opencast Non-metallic Mines**

*Mines which are working for winning* ***non-metallic*** */* ***industrial minerals****, like Limestone for cement plants, using open-cast mechanized mining method are eligible for this Award. The extent of mechanization includes deployment of HEMM like hydraulic excavators, shovels, wheel loaders and tippers, carrying out deep hole drilling & blasting etc.*

**Eligibility:** All ‘A’ Category mines will be eligible to apply, except:

* Mines which have won “FIMI’s Excellence Award” in last three years (i.e. since 2013-14)
* Mines which have won any of the “FIMI’s Environment Award” in last three years (i.e. since 2013-14)
1. **Misrilall Jain Environment Award** – **for Opencast Mines with ≤ 50 ha lease area and mining industrial minerals**

*Mines which are working for winning* ***industrial minerals, including Limestone (but not Limestone for cement plant)****, using opencast mining method and having lease area ≤ 50 ha.*

**Eligibility:** All ‘A’ Category mines will be eligible to apply, except:

* Mines which have won “FIMI’s Excellence Award” in last three years (i.e. since 2013-14)
* Mines which have won any of the “FIMI’s Environment Award” in last three years (i.e. since 2013-14)
1. **Gem Granites Environment Award – For All ‘B’ Category Mines**

*Only category ‘B’ mines which are winning for mining any mineral / ore including minor minerals.*

The award is designed specifically for category ‘B’ mines to capture a comprehensive performance of these mines in ensuring environment conservation, better occupational health & safety of employees and community upliftment in the vicinity of mining area. It provides them the opportunity of competing with equals at the national forum in showcasing their contribution to environment friendly mining and community development of surrounding areas.

**Eligibility:** All ‘B’ Category mines will be eligible to apply, except:

* Mines which have won “FIMI’s Excellence Award” in last three years (i.e. since 2013-14)
* Mines which have won any of the “FIMI’s Environment Award” in last three years (i.e. since 2013-14)

# FIMI SOCIAL AWARENESS AWARDS – 2 Awards

1. **Sita Ram Rungta Social Awareness Award**
2. **NMDC Social Awareness Award**

FIMI believes that mere propagation of conventional corporate social responsibility is more like following others. Obtaining social license to operate is a goal that requires leadership. It is a matter of not just following best practices but of innovating to next practices. After all, brand reputation and creation of stable and conducive social environment are needs not only for trade and investment but for better standard and quality of life of all the stakeholders, specially the community around. FIMI, therefore, instituted the following two Social Awareness Awards to encourage the leaders to forge ahead and pull up the followers to do better. These two awards are designed to recognize the mines adjudged to have best contributed to the general upliftment and well-being of their various stakeholders while addressing broader sustainability concern.

**Eligibility**: All ‘A’ Category Mines, except:

* Mines which have won “FIMI’s Excellence Award” in last three years (i.e. since 2013-14)
* Mines which have won “FIMI’s Social Awareness Award” in last three years (i.e. since 2013-14)

# FIMI HEALTH & SAFETY AWARDS – 2 Awards

1. **Rio Tinto Health & Safety Award – For Opencast Mines**
2. **Hindustan Zinc Health & Safety Award – For Underground Mines**

Health & safety of workers engaged in mining activities and communities around mines has been getting increasing attention of societies and stakeholders. To specifically attract attention and focused efforts of mining industry towards this important area, FIMI has introduced this Award since 2010-11 to recognize good efforts and initiatives made by the mining industry in taking care of health & safety of their employees and to inspire others to do the same. The ultimate objective of this Award is to create awareness and implement strategies for improving occupational health & safety management standards so as to focus on development, management and awareness of occupational health & safety by minimizing adverse hazards and risks. There are two awards, one for opencast mines and one for underground mines in this category which are open for applications to all categories of mines, depending upon the method of mining they are adopting:

**Eligibility:** All ‘A’ Category Mines, except:

* Mines which have won “FIMI’s Excellence Award” in last three years (i.e. since 2013-14)
* Mines which have won “FIMI’s Health & Safety Award” in last three years (i.e. since 2013-14)

‘A’ Category and ‘B’ Category mines are as defined in terms of Rule 45 (2) of MCDR 2016.

**General Conditions**

* **Any mine with major compliance issues and/or having had fatal accidents within the last three years (i.e. since 2014-15) is not eligible for any of the Awards.**
* **Exploration projects and Mines under development will not be considered for these awards.**

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#  SUMMARY

|  |  |  |
| --- | --- | --- |
| **Category** | **Sponsored By** | **Eligibility** |
| 1. **Excellence Award**
 | Bala Gulshan Tandon Excellence Award | All ‘A’ Category mines |
|  |  |  |
| 1. **Environment Awards**
 | Subh Karan Sarawagi Environment Award | All ‘A’ Category opencast metalliferous mines |
| Abheraj Baldota Environment Award | All ‘A’ Category opencast non-metallic mines |
| Misrilall Jain Environment Award | All ‘A’ Category opencast mines with ≤50 ha lease area and mining Industrial Minerals |
| Gem Granites Environment award |  All ‘B’ category mines  |
|  |  |  |
| 1. **Social Awareness Awards**
 | Sita Ram Rungta Social Awareness Award | All ‘A’ category mines |
| NMDC Social Awareness Award | All ‘A’ category mines |
|  |  |  |
| 1. **Health & Safety Awards**
 | Rio Tinto Health & Safety Award | All ‘A’ category mines |
| Hindustan Zinc Health & Safety award | All ‘A’ Category underground mines |

“A” Category & “B” Category Mines are as defined in terms of Rule 45 (2) of MCDR 2016.

**Last date for submission of Award Applications is 31-January-2017.**

# ASSESSMENT PROCESS

The entire scheme of FIMI Awards has been designed to eliminate, to the extent possible, any subjectivity that might creep into the assessment process. The matter of choosing eventual award winners is the exclusive domain of the Jury.

To assist the Jury Committee Members, desktop assessment of the duly filled in applications is evaluated by independent assessors through a scoring system in-house.

The overarching filter relates to compliance with all the applicable laws and regulations. Non-compliant applicant mines are not considered for any award. Similarly, if any fatal accident has taken place in a mine within the assessment period (last 3 years i.e. 2014-15, 2015-16 & 2016-17) it will be considered ineligible.

Evaluation/Assessment of application form is restricted to the performance parameter for the category of awards for which applicant has applied. However, compliance to various laws, listed in the application document, is mandatory for everyone, irrespective of the category of award one is applying for.

CD/DVD containing photographs and video clips relevant to the Award and showing important features of the mine will also be used as supporting evidences of your answers.

The aggregated scores by the independent assessors are then averaged and normalized through a consensus meeting.

Separate lists of applicant mines for each category of award i.e. Excellence; Environment; Social Awareness; and Health & Safety Awards of applicant mines are prepared in the descending order of their scores, and then presented to the Jury Members to decide the cut offs for short-listing the mines.

The shortlisted mines as recommended by the Jury will then be subjected to site assessment by experts / assessors, if required. The scores are then adjusted, up or down, based on site assessment reports.

Scores, with supportive evidences and justifications in respect of all the short - listed applicants, shall be presented to the Jury for selecting the Award Winners.

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# GUIDELINES AND APPLICATION FORMAT

1. **General Guidelines**
2. The application document is divided into 5 sections:

|  |  |
| --- | --- |
| **Section No.** | **Section Name** |
| Section A | General Information and Statutory Compliance |
| Section B | Economic Performance |
| Section C | Environment Performance  |
| Section D | Social Performance |
| Section E | Health & Safety Performance |

1. Guidelines for sections to be filled for different awards:

|  |  |
| --- | --- |
| **Award**  | **Sections to be filled** |
| Excellence Award | Section A,B,C,D and E |
| Environment Award | Section A and C |
| Social Awareness Award | Section A and D |
| Health and Safety Award | Section A and E |

1. Application form is attached at the end of this booklet; it can also be downloaded from our website: [www.fedmin.com](http://www.fedmin.com) (under ‘[FIMI’s Award Scheme](http://www.fedmin.com/index.php?option=com_content&view=article&id=55&Itemid=54)’ heading).
2. All the questions/points in the application document, for respective awards, are required to be filled. Provide quantitative answer / result wherever possible. If any document (approval) attached is in any other language (English & Hindi), a translation should be provided.
3. The application should be accompanied by a CD/DVD containing photographs and video clips relevant to the Award and showing important features of the mine.
4. Copies of approvals / clearances / permission / violation / show-cause notices must be submitted wherever required.
5. For all the applicants who are short-listed for Awards, site visits shall be made for on-site assessment and verification purposes, if required. Based on the site assessment, scoring shall be adjusted wherever justified.
6. All the information and documentation provided by the applicants shall be kept strictly confidential and shall be used only for the purpose of selecting Award Winners.
7. All applications, complete in all aspects, should be submitted in spiral bound form (avoid loosely threaded compilation of document) in **Duplicate** (two copies) along with required supporting documents and should reach the Federation of Indian Mineral Industries (FIMI) Office, addressed to the Secretary General – FIMI, FIMI House, B-311, Okhla Industrial Area, Phase-I, New Delhi-110 020, latest by 31st January, 2017, along with payment, as mentioned below, towards ‘Application fee for FIMI Awards’.

|  |  |  |
| --- | --- | --- |
| **Applicant Mine** | **For FIMI Members** | **For Non-Members** |
| For Award of Excellence | Rs. 40,000 | Rs.50,000 |
| For ‘A’ Category Mines | Rs. 30,000 | Rs. 40,000 |
| For ‘A’ Category Mines with lease area <50 ha | Rs. 20,000 | Rs. 30,000 |
| For ‘B’ Category mines | Rs. 20,000 | Rs. 30,000 |

1. The mines which will be shortlisted by the Jury for on-site assessment shall have to bear actual travel, boarding, lodging and incidental expenses of the assessors.
2. The payment shall preferably be made by RTGS/NEFT (details below):

 Bank Name : State Bank of India

 Bank Account Name : Federation of Indian Mineral Industries

 Bank Account No. : 30049272942

 Bank Type : C/A Account

 RTGS/NEFT : SBIN 000 4298

 Bank Address : Commercial Branch, Nehru Place,

 New Delhi- 110 019

 Or

By Demand Draft in favour of ‘**Federation of Indian Mineral Industries**’, payable at **New Delhi**, to be sent at:

 *Federation of Industrial Mineral Industries*

 *FIMI House,*

 *B-311, Okhla Industrial Area, Phase – I*

 *New Delhi – 110 020*

 *Tel.: (011) – 26814595/97*

 Kindly note our **Service Tax No. AAATF0348QST001**

1. In case a mine intends to apply for more than one award, in addition to the General Sections it should fill in the relevant section for the particular Award being applied for. It may be noted the separate fee, as applicable, has to be deposited for the number of awards being applied.

**Schedule for FIMI’s Award Scheme, 2016-17**

1. Last date of submission of Award Application -- 31st January, 2017
2. Desktop Assessment to be finished -- by 31st March, 2017
3. Jury Committee Meeting for short listing mines for visit, if needed – 15th April, 2017
4. Completion of Site Visit of short listed mines -- by 15th May, 2017
5. Final Jury Committee Meeting for finalization of awardees -- by 30th May, 2017
6. Communication to the Awardees -- by 1st week of June, 2017
7. Award Ceremony at the time of AGM -- July/August 2017
8. **Section-wise Guidelines**

1. **Section – A, Part – I, General Information**
2. Relates to general information about the applicant’s organization and the mine site for which the application is specifically made.
3. Specify clearly at S.No.1 of this section as to which Award the application has been submitted for.
4. Although no marks have been allotted to any of the questions in this section, it is used by the examiners and Judges in application review, including site visit, to understand your organization’s environment, relationships, influence and challenges, as presented in the questions and organizational profile note.
5. **Part II -Statutory Compliances**
6. Relates to compliance with all the applicable laws, Acts and Regulatory requirements. The applicant may add further information in respect of compliance with other relevant Acts or Regulatory requirements for which no direct questions have been asked.
7. Applicants are requested to fill this Section carefully and factually with details and documentary support wherever required.
8. If you think that a particular question/point is not applicable to your mine, write “Not Applicable” and clearly mention why.
9. In states where SPCBs grant Consolidated Consents and Authorization (CCA), applicants need not submit separate details under relevant separate headings.
10. **Sections – B, C, D, E – Economic, Environment, Social and H & S Performance**
11. The four sections B, C, D & E- comprise of questions, whose answers shall be assessed and evaluated as objectively as possible through a rigorous scoring system for short-listing the potential Award winners.
12. In scoring system, each section shall carry a specific weightage, as indicated against the section.
13. Applicants must answer all the questions in the applicable section (s). If any of the questions is not applicable to the respective applicant, please mention the reason for it.
14. Answer to each question in these sections should be as comprehensive as possible and should be furnished with supporting evidence, and outcome. Additional sheets may be used, if required.
15. Wherever years are not specified, information is asked for only last three financial/working years (i.e. 2013 - 14, 2014 - 15 & 2015 - 16). Applicants are free to provide information beyond past 3 years if considered relevant and important.

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**FIMI AWARDS 2016-17**

**APPLICATION FORMAT**

# SECTION-A: GENERAL INFORMATION AND STATUTORY COMPLAINCES

**Part – I: General Information**

1. Name of the Award applied for :
2. Name of lease holder :
3. Name of Mine :
4. M.L.No. :
5. Mineral(s) mined :
6. Location of mine :
7. Date of mining commencement :
8. Lease area (details to be given in the following format)

|  |  |  |
| --- | --- | --- |
| **Type of Land** | **Area under Lease****(Hectares)** | **Area Broken Open or****Under Working (Hectares)** |
| Forest land |  |  |
| Non-forest land |  |  |
| Total Area |  |  |

1. Salient features of mine including its geology etc. (not more than 1000 words)
2. Method of working (Tick √ ) : Opencast / Underground
3. a) Type of operations (Tick √ ) : Mechanised / Semi-mechanised / Manual

b) List the equipment & machinery used (with broad specifications)

c) Any new eco-friendly operations practiced / proposed

1. Production (details to be given mineral-wise in the following format)

|  |  |  |
| --- | --- | --- |
| **Year** | **Mine Capacity****(Tonnes Per Year)** | **Production****(Tonnes)** |
| 2013-14 |  |  |
| 2014-15 |  |  |
| 2015-16 |  |  |

1. Total manpower in Operations (as on date): Regular and Contractual
2. Details of Fatal Injury

|  |  |  |
| --- | --- | --- |
| **Year** | Fatal injury in the mine | If Yes, provide details thereof |
| 2013-14 | Yes/ No |  |
| 2014-15 | Yes/ No |  |
| 2015-16 | Yes/No |  |
| 2016-17 (till date) | Yes/No |  |

1. Star-Rating awarded in the last reporting year, if any:
2. Any Accredited Certification of mine for (please tick √ whichever is appropriate):
	1. Quality Management System (ISO 9001) : Yes / No
	2. Environmental Management System (ISO 14001) : Yes / No
	3. Occupational Health & Safety Management System

(ISO 18001) : Yes / No

* 1. Social Accountability International (SA 8000) : Yes / No
	2. Member of Sustainable Mining Initiative : Yes / No
	3. Any other certification lessee wishes to furnish
1. Details of awards received earlier, including any FIMI awards:

 (Name & Year of Award, Award conferred by)

1. Details (Name, address, e-mail, mobile number) of
	1. Owner/ Agent :
	2. Mines Manager :
	3. Contact person :
2. Any other relevant information the applicant wishes to furnish.

**Part- II: STATUTORY COMPLIANCES**

Please tick (√) or fill, whichever is applicable.

|  |  |  |
| --- | --- | --- |
| 1 | Payment of all applicable mandatory taxes, royalties, DMF and NMET contribution, levies, cess, fees, etc., to both State and Central Governments are upto date |  Yes / No |
| 2 | MMDR Act 1957; MCR 2016 and MCDR 20161. Mining lease valid upto
2. Validity period of latest Mining Plan / Scheme of Mining approved by IBM
 | DateDate |
| 3 | Mines Act 1952, Mines Rules 1955, MMR 1961 and MVTR 19661. Obtained Permission for deep hole blasting & Use of HEMM under regulation 106(2)?
2. Obtained Common Boundary Working Permission?
 | Yes / No/ NAYes / No/ NA |
| 4 | Forest Clearance under Forest (Conservation) Act, 1980 | Obtained /Under process/ NA |
| 5 | Environment (Protection) Act, 19861. Environment Clearance under EIA Notification 1994/2006
2. Permission under CRZ Notification, 1991
 | Obtained /Under process / NAObtained /Under process / NA |
| 6 | Has there been any implication of the following Acts?1. The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act 2006
2. The Provisions of the Panchayat (Extension to the Scheduled Areas) Act 1996

(If Yes, provide details) | Yes / NoYes / No |
| 7 | Authorization received under Hazardous and Other Wastes (Management and Transboundary Movement) Rules,2015? | Obtained /Under process/ NA |
| 8 | Clearance under Wild Life (Protection) Act, 1972 | Obtained /Under process/ NA |
| 9 | Consent To Operate (CTO) under Air (Prevention & Control of Pollution) Act, 1981 & Water (Prevention & Control of Pollution) Act, 1974 | Obtained /Under process/ NA |
| 10 | Water Cess Act, 19771. Mention the source(s) of water to the mine.
2. Obtained permission to draw water from source under Water Cess Act, 1977?
 | -----------------Yes / No |
| 11 | Obtained permission and licenses under Explosive Act, 1951 for Magazine, Explosive transport vehicles and manufacture of site mix explosives? | Yes / No / NA |
| 12 | Implementation of Rehabilitation and Resettlement policy of the State Government, if applicable. | Yes / No / NA |
| 13 | Has the mine or company been issued any Show-Cause / Violation Notices?(If Yes, provide details alongwith compliance actions taken) | Yes / No |
| 14 | Has there been any instance of any penal provisions being invoked against the mine under any of the above Acts/Rules in last 3 years? If Yes, provide details. | Yes / No |

**UNDERTAKING:**

I state that

I have reviewed the information provided by my organization in this application and confirm this is to be correct and update.

We understand that this application will be reviewed by a group of assessors. Should our mine be selected for a site visit, we agree to host the site visit and to facilitate an open and unbiased examination.

I agree, on behalf of my organization, to abide by the conditions mentioned in the guidelines and accept that the decisions of the Jury will be final.

I certify that the mine/organization complies to all administrative, statutory and legal provisions (terms and conditions) attached to lease deed, various grants /clearances/approvals/consents etc.

**Date:** \_\_\_/\_\_\_/\_\_\_\_ **(Authorized Signatory)**

# SECTION-B: ECONOMIC PERFORMANCE (1000 Points)

1. **BUSINESS DEVELOPMENT AND PRODUCTIVITY (200 points)**
2. Furnish the following data regarding mine production:

| Year | Mine capacity(Tonnes per year) | Production(Tonnes) | Turnover(Rs.) |
| --- | --- | --- | --- |
| 2013-14 |  |  |  |
| 2014-15 |  |  |  |
| 2015-16 |  |  |  |

1. Outline the major improvements in productivity and profitability of the mine and substantiate.
2. Outline the value addition to the extracted ore/minerals by the way of adopting Crushing/ Screening/ Beneficiation/ Washing etc., and provide the economic benefit of the same.

### SYSTEMATIC EXPLORATION (100 points)

 Outline the exploration programme at the mine, targets for exploration and any significant outcomes in the past 3 years.

### MINE PLANNING AND MINE OPERATION (125 points)

 Outline the effective mine planning and its implementation to achieve reduced stripping ratio, optimum recovery of ore and efforts to achieve highest safety and health indicators. Innovations in reducing mining costs can also be illustrated.

### MACHINERY UTILISATION AND MAINTENANCE (100 points)

 Outline the uniqueness of the mine adopted in deploying special machineries for special purpose, optimal use of machinery, machinery maintenance etc., and Highlight benchmarks in comparison with industry peers specifications.

### RESEARCH AND DEVELOPMENT (100 points)

 Outline the R&D facilities, Scope and objectives of R&D, Expenditures made for R&D over past 3 years together with significant outcomes of R&D. Also explain if any R&D has been done to explore the commercial utilization of associated minerals in the mine.

1. **BUSINESS GROWTH AND RISK MANAGEMENT (75 points)**

 Outline how company is developing its strategy for its business growth, business diversions, marketing risks, other business related risks, sustainability and its future planning.

1. **EFFORTS TOWARDS ZERO WASTE MANGEMENT (100 points)**

Outline how company is exploring opportunities to utilize wastes generated in the mine and pursuing economic activities such as developing market for overburden, use of tailings, recycling of oil, etc. Also outline the activities to promote recycling and reuse in the mine.

1. **ENERGY MANAGEMENT (100 points)**

Outline how company is targeting energy efficiency over past three years by way of increase in fuel efficiency (reducing fuel consumption per tonne of production), use of renewable energy wherever feasible and possible, reducing the energy requirements by innovative methods and process re-engineering and any other means.

1. **STAKEHOLDERS ENGAGEMENT (50 points)**

 Outline the practice and process in place to identify, prioritize and engage key stakeholders to address concerns pertaining to sustained economic well being of the mine, Method of engagement with stakeholders and any related information.

1. **PUBLIC REPORTING SYSTEM (50 points)**

 Outline any public reporting systems of mine, if adopted.

# SECTION-C: ENVIRONMENTAL PERFORMANCE (1000 Points)

1. **ENVIRONMENT MANAGEMENT SYSTEM (75 points)**
2. Briefly outline the Environmental Management System (Policy, organizational structure for environmental management, mechanism and implementation of the system)
3. Provide approximate budgeted and actual expenditure on environmental management over the last 3 years?
4. **TOP SOIL MANAGEMENT (100 points)**
5. Mention how the top soil is collected, stored and utilized at the mine. Outline the efforts made to conserve the top soil.
6. Provide the details as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| Year | Quantity Generated(in metric tonnes) | Quantity Stored(in metric tonnes) | Quantity Utilized(in metric tonnes) |
| 2013-14 |  |  |  |
| 2014-15 |  |  |  |
| 2015-16 |  |  |  |

**3. AIR QUALITY MANAGEMENT (100 points)**

1. Briefly mention how air quality is managed at the mine and the systems in place? Outline the steps/measures to prevent and mitigate air pollution w.r.t. the following:
	* Drilling and Blasting
	* Haulage/Transportation of ore
	* Beneficiation Process
	* Storage of minerals / waste material
	* Any other activity
2. Briefly mention how air quality is monitored at the mine? Provide details of Environmental monitoring station if established. Provide factual data regarding Ambient Air Quality monitoring for the last 3 years.

**4. WATER MANAGEMENT (100 points)**

1. Provide factual data regarding water consumption at the mine for the last 3 years.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year | Total Consumption(cu.m.) | Specific consumption (cu.m. per tonne of ore) | Quantity recycled(cu.m.) | Source of Water |
| 2013-14 |  |  |  |  |
| 2014-15 |  |  |  |  |
| 2015-16 |  |  |  |  |

1. Have the mine operations intersected or likely to intersect ground water table? If yes please provide management system for the same.
2. How mine drainage system of mine is managed to control the runoff free from pollution and the methods adopted for controlling water pollution in the mine.
3. Briefly mention how water quality is monitored at the mine and the frequency of surveys?
4. Outline if any efforts are made for rain water harvesting, if yes, substantiate with the details and results achieved by the rainwater harvesting structures.

**5. NOISE AND VIBRATION CONTROL (75 points)**

1. NOISE: Mention the frequency of Noise Surveys, availability of monitoring equipment; and steps taken to control noise.
2. VIBRATION: Mention the frequency of Vibration Surveys, availability of monitoring equipment; and steps taken to minimize the adverse impacts of ground vibration and air blast.
3. **WASTE MANAGEMENT (100 points)**
4. Outline the system of waste/OB dumping at the mine.
5. Highlight the steps taken for stabilization of old dumps.
6. Details of stabilization of waste/OB dumps to be given in the following format:

|  |  |  |
| --- | --- | --- |
| Total Area occupied by Dump(s)(Hectares) | Area Stabilized(Hectares) | Percentage |
|  |  |  |

1. Briefly mention how the mine management manages and disposes its hazardous wastes.

**7. MANAGEMENT OF SUBGRADE MINERALS (100 points)**

1. STACKING: Outline how subgrade mineral is stacked in the mine.
2. Indicate the percentage of subgrade mineral in the mine, quantities of subgrade mineral generated and stored.
3. UTILIZATION: List the efforts made, including R&D, for utilization of subgrade minerals.

**8. RECLAMATION AND REHABILITATION OF MINED AREAS (100 points)**

1. Outline the reclamation and rehabilitation procedure adopted, with particular reference to species planted, and special mention of local species that existed prior to mining.
2. What indicators have been selected to measure the success of rehabilitation and reclamation effort?

**9. AFFORESTATION (100 points)**

1. Furnish the details regarding afforestation within ML area for the last 3 years.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year | Area Afforested(Hectares) | Total saplings planted | Survival Rate(%) | Major species planted |
| 2013-14 |  |  |  |  |
| 2014-15 |  |  |  |  |
| 2015-16 |  |  |  |  |

1. Outline the post-plantation care, future afforestation plans within lease and in surrounding neighbourhood including nearby villages, measures for protecting and conservation of biodiversity and wild life.
2. Indicate the extent of area where mining has finished and the extent of area reclaimed/rehabilitated.
3. Mention briefly the steps taken to upgrade general aesthetic beauty in the lease area.

**10. ADOPTION OF ENVIRONMENT FRIENDLY TECHNOLOGIES AND ENVIRONMENT MANAGEMENT SYSTEM (100 points)**

1. Highlight the major technologies adopted in last 2 years to prevent and/or control pollution, reduce power and water consumption, utilize wastes and by-products etc.
2. Has mine management taken any initiatives towards mitigating climate change such as reduction in GHG emissions, promoting the use of renewable energy sources, energy efficiency measures, etc.? If so, please mention briefly.

**11. AWARENESS GENERATION (50 points)**

Outline the activities undertaken by the mine management for spreading environmental awareness among the employees as well as surrounding communities.

# SECTION-D: SOCIAL PERFORMANCE (1000 Points)

**1. CORPORATE SOCIAL POLICY (100 points)**

1. Does the company have a formal corporate social policy (Y/N)

(If yes, attach a brief note highlighting how the key areas of work are identified, how this policy is being implemented and involvement of the beneficiaries)

1. Furnish the following data:

|  |  |
| --- | --- |
| Year | Actual expenditure on CSR activities(Rs.) |
| 2013-14 |  |
| 2014-15 |  |
| 2015-16 |  |

**2. SERVICES PROVIDED TO SURROUNDING TOWNS / VILLAGES (500 points)**

Furnish and highlight the welfare activities/services provided to the surrounding areas by the company w.r.t. the following:

**(Note: Activities/services provided for employees should be excluded)**

|  | **Services** | **Work done in****(physical terms)** | **Work done in****(monetary terms)** |
| --- | --- | --- | --- |
| (a) | **town planning and infrastructural development, roads, etc.** |  |  |
| (b) | **provision of clean drinking water** |  |  |
| (c) | **housing** |  |  |
| (d) | **transport facilities** |  |  |
| (e) | **public health amenities and family planning** |  |  |
| (f) | **disease control services** |  |  |
| (g) | **education** |  |  |
| (h) | **generation of employment e.g. formation of cooperatives** (number of self employment generated to be indicated separately) |  |  |
| (i) | **training and assistance for animal husbandry, sericulture, pisciculture, improved methods of agriculture, traditional crafts for self-employment, employable skills** (artisan training) |  |  |
| (j) | **cooperatives and fair price shops** |  |  |
| (k) | **greening of areas outside of leasehold, parks and gardens**(survival rate of plantation to be indicated) |  |  |
| (l) | **use of non-conventional energy sources** |  |  |
| (m) | **Any other, please mention** |  |  |

**3. Whether any survey has been done in surrounding villages for assessment of socio-economic status of tribal and other communities? (100 points)**

Population of the surrounding areas

|  |  |  |  |
| --- | --- | --- | --- |
|   | Scheduled caste | Scheduled tribe | Others |
| Total population  |  |  |  |
| Population employed |  |  |  |

**4. EMPOWERING EMPLOYEES (100 points)**

1. List the initiatives by the mine management towards building/enhancing skills of employees at various levels (including contract workers).
2. Outline the initiatives to ensure employee’s participation in innovation as well as implementation of policies, management of the mine.

**5. RESETTLEMENT AND REHABILITATION ENDEAVOURS (100 points)**

List the specific initiatives by the mine towards resettlement and rehabilitation of displaced population, if any.

**6. CRISIS RESPONSE (100 points)**

Briefly outline the aid/assistance provided by the company in response to crisis situations such as earthquake, flood, fire, etc. in the last three years.

# SECTION-E: HEALTH & SAFETY PERFORMANCE (1000 Points)

**1. H&S MANAGEMENT SYSTEM & POLICY (300 points)**

1. Does your mine have a formal Occupational Health and Safety policy?

 (If yes, attach a brief note highlighting the following:

* key objectives and targets of this policy
* organizational structure for H&S, and
* how it is implemented at the mine.
1. List the H&S performance indicators used by your mine and briefly describe the rationale for selecting these indicators.
2. Outline the Safety Management System (SMS) of the mine with special reference to Pit Safety Committee and its meetings, Workmen Inspector, 3rd party audit and review of SMS, Emergency Preparedness Plan, etc.
3. Innovative implementations related to H&S

**2. H&S STATISTICS AND RESULTS (150 points)**

1. Furnish the following:

**Employee Health**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year | Total No. of man days worked | Total sickness absence days | Major causes of sickness absence | Corrective/preventive actions taken |
| Days | %age of man days worked |
| 2013-14 |  |  |  |  |  |
| 2014-15 |  |  |  |  |  |
| 2015-16 |  |  |  |  |  |
| 2016-17 till date  |  |  |  |  |  |

**Employee Safety**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Year | No. of Fatalities | Total Injury Frequency Rate (TIFR) | Lost Time Injury Frequency Rate (LTIFR) | Severity Index (SI) | Near Miss Incidents (NMI) |
| 2013-14 |  |  |  |  |  |
| 2014-15 |  |  |  |  |  |
| 2015-16 |  |  |  |  |  |
| 2016-17 till date |  |  |  |  |  |

1. For the last 3 years, mention the number and nature of cases of
* Notified diseases u/s 25 of Mines Act
* Occupational diseases (other than notified diseases)

**3. H&S CULTURE AND TRAINING (350 points)**

1. Outline the initiatives by the mine management towards creating a safer and healthier working environment. Also mention any specific measures adopted in the last 3 years to address the H&S risks and hazards. Mention about all statutory provisions implementations, additional implementations and innovations adopted.
2. Is there any mechanism to encourage employees at the mine site for improved H&S culture and alter employee behavior to work safely? (If so, please provide a brief.) This may include reward system to employees, contract-workers, etc.
3. Explain the risk associated with occupational health and safety, schedules of initial / periodical medical exams of employees including contractors, maintenance of their medical record, periodical health surveillance etc.
4. Describe the initiatives to raise H&S awareness among employees and how to conduct themselves in a safe manner while facing H&S hazards/risks.
5. Describe the H&S related training program (type of training, duration, frequency, etc.) for:
* Employees
* New inductees
* Contract-workers and service providers
* Transporters, etc.
* Use of training simulators
1. Outline medical facilities provided to the dependent of employees and nearby communities as a part of CSR.
2. Outline extending job oriented trainings to the youth of surrounding community for employing in the mine as a part of CSR.

**4. HAZARD IDENTIFICATION AND MANAGEMNT (200 points)**

1. Briefly mention how the mine identifies health hazards and safety risks both within the mine and outside lease area.
2. Outline the methods used for investigating accidents/ incidents, root-cause analysis and incorporating the learnings to avoid future occurrences. Briefly describe the above process followed for a past accident in the mine.

# List of Acronyms

|  |  |
| --- | --- |
| AGM | Annual General Meeting |
| AIDS | Acquired Immune Deficiency Syndrome |
| CD | Compact Disc |
| CPCB | Central Pollution Control Board |
| CRZ | Coastal Regulation Zone |
| CSR | Corporate Social Responsibility |
| CTE | Consent to Establishment |
| CTO | Consent to Operate |
| DGMS | Directorate General of Mines Safety |
| DMG | Department of Mines and Geology |
| DTH | Down the hole |
| DVD | Digital Versatile Disc |
| EC | Environment Clearance |
| EIA | Environment Impact Assessment |
| EMS | Environment Management System |
| FC | Forest Clearance |
| F (C) Act | Forest (Conservation) Act |
| FIMI | Federation of Indian Mineral Industries |
| FMCP | Final Mine Closure Plan |
| FY | Fiscal/Financial Year |
| Ha/ha | Hectare |
| HEMM | Heavy Earth Moving Machinery (ies) |
| HIV | Human immunodeficiency virus |
| HW | Hazardous Waste |
| H & S | Health and Safety |
| IBM | Indian Bureau of Mines |
| JYS | Janani Suraksha Yojana |
| LAFP | Longest Accident Free Period |
| LHD | Load Haul Dumps |
| LPDT | Low Profile Dump Truck |
| LTIFR | Lost Time Injury Frequency Rate |
| MCDR | Mineral Conservation and Development Rules |
| MCR | Mineral Concession Rules |
| ML | Mining Lease |
| MMDR | Mines and Minerals (Development and Regulation) |
| MMR | Metalliferous Mines Regulations |
| MoEF | Ministry of Environment and Forest |
| MP | Mine Plan |
| MTPA | Million Tonnes Per Year |
| NA | Not Applicable |
| NEFT | National Electronic Fund Transfer |
| NREGA | National Rural Employment Guarantee Scheme |
| OB | Overburden |
| OHS | Occupational Health and Safety |
| PESO | Petroleum and Explosive Safety Organisation |
| PMCP | Progressive Mine Closure Plan |
| RTGS | Real-Time Gross Settlement  |
| R & D | Research and Development |
| SC | Scheduled Castes |
| SHG | Self Help Group |
| SPCB | State Pollution Control Board |
| ST | Scheduled Tribes |
| TIFR | Total Injury Frequency Rate |
| UNFC | United Nations Framework Classification |
| YTD | Year to Date |
| SI | Severity Index |
| NMI | Near Miss Incident |
| Cu L | Cubic Litres |
| Cu m | Cubic meters |
| m RL | meter Reduced Level |
| KwH/T | Kilowatt Hour/Ton |

# Glossary of Terms

* **Employees:** The term includes permanent employees, contract workers, seasonal and temporary workers.
* **First Aid Injury:** It is a work-related injury or illness that calls for only simple treatment and does not call for follow-up treatment by a health-care professional. First aid injury does not result in lost time from work or work restrictions.
* **Lost Time Injury (LTI):** A LTI occurs when a person is injured in the execution of his/her duties and as a result of this injury is unable to perform his/her regular duties on a subsequent scheduled work day or shift.
* **Lost Time Injury Frequency Rate (LTIFR):** Number of lost time injuries per million man hours worked.
* **Near Miss Incidents (NMI):** A Near Miss Incident is an unplanned event that did not result in injury, illness, or damage – but had the potential to do so.
* **Preventative features:** are those that aim at the root causes for eliminating any negative H & S footprint altogether.
* **Severity Index (SI):** Total man-hours lost x 1000/ Total man hours worked.
* **Stakeholder:** Any individual, group of people, institutions or firms, including government and NGOs, that may get influenced by, and exert influence on, those things that are associated with the organization’s business activities.
* **Total Injury Frequency Rate (TIFR):** Total number of (lost-time as well as first-aid) injuries per million man hours worked.