



One of the most encouraging aspects of the first edition of the award was the response from diverse sectors of industries showcasing their significant work on avoiding emissions and improving efficiency of energy use. The present edition seeks to group the efforts of the small and medium size enterprises on the one hand and those of the large enterprises on the other. This is essentially on account of the scale of operations and hence the quantitative features of the impacts. The efforts of the small and medium enterprises can also be significant and need to be highlighted separately.

**Award Category: GHG mitigation in Small & Medium and Large Enterprises**

Some of the evidences the award process will look for, include a clear reduction in the quantity and diversity of greenhouse gases released during various stages of production in small, medium and large scale industry. The specific emphasis is on the release of these gases; thereby relying exclusively on the correlates between reduction in energy consumption and on emissions alone.

The award is therefore for a specific demonstration of reduction / elimination of greenhouse gases with the clear objective of highlighting improvement in local environmental quality as a complement for reducing impacts pertaining to greenhouse gases of a global nature. It is well known that aspects of conservation, preventive environmental management and related economic benefits are interrelated; therefore calling for evidences of sustainability in the action being considered for the award.

**A well-defined technical framework** has been the basis for developing the questionnaire presented as part of this pack. You will notice that the information you present will help understand the spread and depth of empirical evidences generated by your work in the management and conservation of energy with a special emphasis on elimination / reduction of emissions.

We therefore invite you to present all relevant information with utmost diligence. Importantly, several experts associated with the evaluation of your inputs will visit the site of action you quote to help understand the significance of your work better. You are therefore encouraged to present precise and verifiable information in order to justify the award process.

**Your participation will reflect your preparedness to be a part of real life action** to help tackle problems posed by climate change emphatically. You may like to know that the excellence your work represents will help several other stakeholders facing similar problems know about the information and technical resource you have so that they can interact with you to derive the benefits of your expertise; should your work finally succeed in receiving the award. This is therefore a call for action and support to sustain action.

**This award process will help industry:**

- Respond to climate change in proactive and profitable manner
- Share experience in combating climate change impacts and help create opportunities for market driven solutions
- Mainstream climate change concerns in economic development
- Develop effective adaptation and mitigation measures to deal with climate change and its impacts
- Evolve sustainable energy solutions
- Identify and explore technical opportunities in the domain of energy supply, conversion, use and sustainability



### Eligibility:

For Small & Medium Scale industry which can provide clear evidences of action -

- Project should have been conceptualized and implemented during the period from April 2000 to March 2009 with proven results.
- Efforts taken for energy efficiency improvement
- Achieved emission reduction (direct & indirect), going beyond the basic compliance requirements.
- Moving towards complete Green House Gas Emission reduction and sustain efforts over long periods of time. This could include efforts towards CDM with a special emphasis on the basics of management information system and concepts with social, environmental and economic benefits beyond the reductions targeted / achieved; thereby recognizing the vision supported by clear evidences.

For Large Scale industry which can provide clear evidences of action -

- Project should have been conceptualized and implemented during the period from April 2000 to March 2009 with proven results.
- Energy efficiency improvement initiatives
- Achieved emission reduction (direct & indirect), going beyond the basic compliance requirements.
- Moving beyond CDM wherein CDM initiatives will be considered only a part of the ranking. Importantly, additional initiatives which go beyond the CDM framework viz.; the industry's efforts to significantly reduce the 'carbon foot prints' through interventions beyond those considered for CDM will be given greater weightage.

### Selection Criteria

The judges will assess the claims / performance of each applicant based on the selection criteria that demonstrate principles of best practice and continual improvement in the context of energy efficiency / emission reduction / elimination / avoidance. These could relate to:

For Small & Medium Scale Enterprises -

- Energy efficiency improvement measures in process & operations
- Use of alternative energy
- Energy conservation
- Emission reduction
- GHG mitigations programmes / projects

For Large Scale Enterprises -

- GHG emission reduction (direct & indirect)
- Use of alternative energy
- Clean technology initiatives
- Energy conservation
- Carbon-proofing initiatives (including those which will reduce the vulnerability of the system to the constraints posed by energy & emission intensive operations and reducing impacts through other preventive and remedial measures).



**Results should show that:**

- Energy management has at minimum reduced either energy use or consumption per unit of output of the company/site, including a description of the impact on the absolute GHG emission reduction.
- The company / site are managing energy usage across applications, with descriptions of any improved techniques being used (e.g.: process improvement, alternative energy use).
- Energy / GHG emission reductions are across the supply chain; if so; indicate reductions achieved and describe the process of partnership in which the company / site has engaged with others along the supply chain.
- Relevant accreditations and affiliations are secured and the climate change policy instruments cover the company's/site's operations.
- The awards are divided into the following categories based on the Investment in plant and machinery and are engaged in manufacture or production of goods.
  - Small & Medium Enterprises – Investment level does not exceed Rupees 25 Crore.
  - Large Scale Enterprises – Investment more than Rupees 25 Crore.

**Judging process:**

- Information provided in this application form will be reviewed by a team of technical experts to shortlist applications in each award category.
- The short-listed applications will be additionally reviewed by the judging panel to further shortlist for the final consideration.
- The selected applicants will be audited onsite by the technical team for verification of details provided.
- The finalists will be invited to present their cases before the panel of judges contributing to the process of judging.

**How to apply:**

- Three copies of the application form should be submitted along with a soft copy.
- The application form should be neatly typed with a minimum 10 pt font. on both side of A-4 size paper in English.
- It should include filled application form along with the support documents.
- The completed form should be accompanied by support documents.

**All applications should be addressed to:**

JSW Steel Limited

Victoria House, Pandurang Budhkar Marg, Lower Parel, Mumbai – 400 013

Contact person: Mr. Mukund Gorakshkar

PHONE NO: 022-24917947



**Confidentiality:** All information provided in the entry form will be treated in strictest confidence. It will be used solely for the purpose of judging. Applicants will be consulted in case it is wished to use some material for future publicity purposes or for development of case studies.

**Terms and conditions:**

- Entries which do not match the required criteria will not be considered.
- No correspondence would be entertained regarding the selection or the selection procedure.
- Materials submitted for consideration of the award are non-returnable.
- Applications without sufficient supporting documents/ proof/evidence of work done would not be placed before the Award Committee.
- The Awards committee reserves the right for on ground verification of the work claimed by the applicant.
- The organizers of the awards will not be responsible for any damage and non-receipt / late receipt of any material.
- Awards Committee reserves the right to declare more than one as the winner and/or to withhold awards, if the required standard is not met.
- An award winner is entitled to use the award logo for their specific purpose and cannot apply for the next two years.
- The deliberations of the judging panel remain confidential. All recommendations and decisions taken are binding and final and no correspondence will be entered on such matters.

Note: August 13<sup>th</sup>, 2009 is the final date for receipt of the applications.

**QUESTIONNAIRE**

Award Category – GHG mitigation in Small, Medium and Large scale industries

**Part I: For Small & Medium Scale Enterprises**

**PART – A: GENERAL INFORMATION**

- Name of Organization:
- Location of Factory / Site
- Corporate Office
- Contact Person
- Contact Details: Address, Phone and Email
- Nature of Ownership
- Type of Sector
- Type of Organization (Tick any one)
  - Private sector
  - Public sector
  - Other (Please Specify)
- Has your organization have won any awards related to Environment / Energy in past? If yes, please provide details.



## **PART – B: TECHNICAL INFORMATION**

**Section I – Project Information** (Please mention significant points in support to your claim for the Award highlighting Energy Efficiency improvement measures).

- a. Project Activities
  1. Product/s
  2. Process
  
- b. Have you carried out Energy Audit for your unit? If yes please provide details on findings and implementation strategy.
  
- c. Results achieved
  1. Year when initiative started and the period over which action were sustained:
    - Energy consumption for year preceding intervention
    - Energy consumption after intervention
  
  2. Trend in energy consumption during last three years
    - Per unit production
    - Total energy consumption
    - Energy saved
  
  3. Use of renewable / alternative energy for production. Provide details for last three years.
  
  4. Details of initiatives with quantitative information taken for
    - Energy efficiency enhancement
    - Process improvements
    - Emission reduction
  
  5. Information on steps towards reductions in GHG emissions  
(For existing projects please provide quantified savings in carbon dioxide equivalents and for new projects provide details on projects activity and the emission reduction targets)
  
  6. List financial gains achieved
  
  7. What significant environmental gains, the unit aims to achieve beyond the present status?
  
  8. Is your initiative for energy efficiency improvement lead to generation / upliftment of livelihood, health and overall environmental quality of the area, if yes, please describe.
  
  9. Is your initiative undergone any evaluation / testing / monitoring by an independent agency? If yes, please provide describe and attach relevant documents.
  
  10. Nature of financial / technical support received to undertake the activities. (Government or any other mechanism)



11. What are the limitations of the practices evolved to sustain objectives in terms of energy efficiency improvements & emission reduction?
12. What are the technical areas (characterization, quantification, material substitution, infrastructure change, technology change etc.) you feel where more needs to be done to improve the results further?
13. What are the methodologies normally being practiced by your organization for monitoring and verification of the performance.
14. Is your organization is in the process of getting recognized under a CDM project? If yes please provide details.

### **Section II – Environment Management**

- a. Please describe the
  - Diversity and scale of waste streams (mass balance) in your firm/organizations and
  - Efforts undertaken to reduce/control them. (Provide supporting documents). Include the ones not stated above.
- b. What is the compliance status of the firm over the last three years? Have any of your firm activities including raw material procurement / use and production process been indicted by either community or pollution control board. If yes, state the correction plan/activity. (Attach documents wherever necessary)
- c. Was / is your company indicted for any non-compliance issues from environment protection point of view in past. If yes please provide status and details.
- d. Does your organization have HSE policy? Provide details.
- e. Does your organization have an Environment Quality & Management System? (ISO or any other equivalent certification system). Provide details.
- f. Provide the copies of Consent to Operate under Water Act, Air Act & Hazardous Waste (Management & Handling) Rules and its amendments or any other applicable environmental permission from respective Pollution Control Board.

### **Section III – Social Commitment**

- a. Organization approach to address community / stakeholder concerns on the impact of its activity on environment.
- b. How do you perceive the present climate challenge with respect to performance and efficiency of your firm? List the risks and opportunities.



**Part II: For Large Scale Enterprises**

**PART – A: GENERAL INFORMATION**

- Name of Organization:
- Location of Factory / Site
- Corporate Office
- Contact Person
- Contact Details: Address, Phone and Email
- Nature of Ownership
- Type of Sector
- Type of Organization (Tick any one)
  - Private sector
  - Public sector
  - Other (Please Specify)
- Has your organization have won any awards related to Environment / Energy in recent past? If yes, please provide details.

**PART – B: TECHNICAL INFORMATION**

**Section I – Project Information** (Please mention significant points in support to your claim for the Award highlighting Energy Efficiency improvement measures).

- a. Project Activities
  1. Product/s
  2. Process
- b. Please provide details on finding of the reports and implementation strategy under energy audit for the last three years.
- c. Results achieved
  1. Year when initiative started and the period over which action sustained:
    - i. Energy consumption for year preceding intervention
    - ii. Energy consumption after intervention
  2. Energy consumption pattern during last three years
    - i. Per unit production
    - ii. Total energy consumption
    - iii. Energy saved
  3. Use of renewable / alternative energy for production. Provide details for last three years.
  4. Details of initiatives with quantitative information taken for



- i. Energy efficiency enhancement
  - ii. Process improvements
  - iii. Emission reduction
5. Information on steps towards reductions in GHG emissions  
(For existing projects please provide quantified savings in carbon dioxide equivalents and for new projects provide details on projects activity and the targeted emission reduction)
6. List financial gains achieved
7. What significant environmental gains, the unit aims to achieve beyond the present status?
8. Is your initiatives for energy efficiency improvement lead to generation / upliftment of livelihood, health and overall environmental quality of the area, if yes, please describe.
9. Have your initiatives undergone any evaluation / testing / monitoring by an independent agency? If yes, please provide details.
10. Nature of financial / technical support received to undertake the activities. (Government or any other mechanism)
11. What are the limitations of the practices evolved to sustain objectives in terms of energy efficiency improvements & emission reduction?
12. What are the technical areas (characterization, quantification, material substitution, infrastructure change, technology change etc.) you feel where more needs to be done to improve the results further?
13. What are the methodologies normally being practiced by your organization for monitoring and verification of the performance.
14. Is your organization is recognized / in the process of getting recognized under a CDM project? If yes please provide details.
15. What are Carbon proofing initiatives with respect to organization's activities? Please provide details.
16. Please provide details.

## **Section II – Environment Management**

- a. Please describe the
  - Diversity and scale of waste streams (mass balance) in your firm/organizations and
  - Efforts undertaken to reduce/control them. (Provide supporting documents). Include the ones not stated above.



- b. What is the compliance status of the firm over the last three years? Have any of your firm activities including raw material procurement / use and production process been indicted by either community or pollution control board. If yes, state the correction plan/activity. (Attach documents wherever necessary)
- c. Was / is your company prosecuted for any non-compliance issues from environment protection point of view in past. If yes please provide status and details.
- d. Does your organization have HSE policy as well as ISO 18001? Provide details.
- e. Does your organization have an Environment Management System? (ISO or any other equivalent certification system). Provide details for the same.
- f. Provide the copies of Consent to Operate under Water Act, Air Act & Hazardous Waste (Management & Handling) Rules and its amendments or any other applicable environmental permission from respective Pollution Control Board.
- g. Does your organization have Climate Change policy? Provide details.

### **Section III – Social Commitment**

- a. Organization approach to address community / stakeholder concerns on the impact of its activity on environment.
- b. Is your firm engaged in social philanthropy? Attach CSR policy statement with a brief listing of CSR activities and specific activities addressing energy security and efficiency under CSR.
- c. How do you perceive the present climate challenge with respect to performance and efficiency of your firm? List the risks and opportunities.