

# 9<sup>th</sup> IconSWM 2019 Excellence Award

Waste Management and resource circulation

By

KIIT DU, Bhubaneswar, Odisha

International Society of Waste Management, Air and Water (ISWMAW)

SPPC, Govt. of Odisha, India

Japan Society of Materials Cycle and Waste Management, (JSMCWM), Japan

Korean Society of Waste Management (KSWM), S. Korea

The filled in format should reach us by 30<sup>th</sup> October 2019 by email in word and pdf file.

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## *Objective of the Award*

- Encourage resource conservation through Reduce, Reuse, Recycle, remanufacturing, repair and recovery concepts
- Recognize and award the best practices implemented by Industry
- Facilitate information sharing amongst industry
- Encourage and Instill a sense of competition to motivate other industries to implement best practices in resource recovery and circular economy and helping implementing the SDG 2030.

## *Eligibility Criteria*

- Any Indian Industry including MSMEs which has taken proactive initiatives and has achieved environmental benefits in any of the following areas :

1. Solid & liquid Waste Management & Recycling in production/services	5. Resource & Material Conservation & Recirculation of materials
2. Green Supply Chain through waste reduction & management	6. Significant practice and surpassing legislative requirements in Implementation of waste management rules released in 2016.
3. Waste management in gated community / company housing complex as per SWM Rules 2016.	CSR on Waste Management
4. Waste Management by implementing Internet of things & ERP.	7. Life Cycle Assessment & Biodiversity Management

## **Conditions :**

1. Projects should comply with basic environmental norms by Pollution Control Board, local regulatory authority etc.
2. Company/Industrial unit should comply with all the statutory and regulatory environmental norms
3. Companies can apply for a maximum number of '4' projects covering any of the above areas.

4. Individual projects selected by jury will be informed to companies for presentation during award assessment seminar.
5. Projects applied should have been implemented and running at least for 3 months.
6. The projects implemented in the last two years only will be accepted.

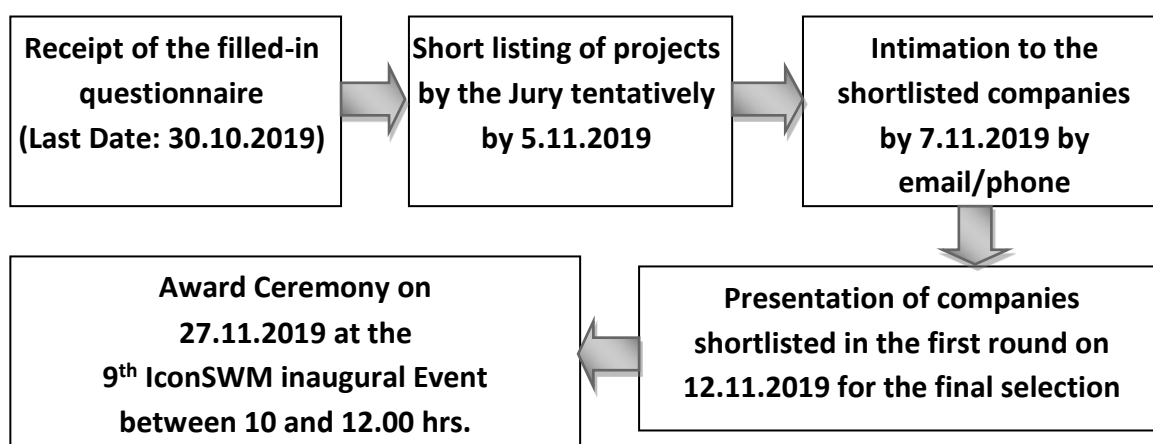
#### **Evaluation criteria**

- Awareness and mass involvement on waste management & resource recovery in the industry unit
- Uniqueness of the project in Industry/Sector
- Tangible benefits, savings achieved and also intangible benefits from the project implemented
- Type of challenges faced during implementation and how they have been resolved
- Replicability of the project in similar units

#### **Benefits for Industry**

- Sharing of best practices implemented across various sectors
- Facilitate companies to improve their waste management and resource circulation performance
- Encourage adoption of similar approaches, leading to benefits fro resource recovery and cost savings.
- Image building

#### **Evaluation Methodology**



- *Incomplete questionnaires will not be considered for evaluation*
- *Completed questionnaires should be sent only in the soft to : 8thiconswm.conference@gmail.com copied to : iswmaw2017@gmail.com and qmccal41@gmail.com with Subject : IconSWM Excellence Award and file name : Award\_Company Name*

- **The presentations will be awarded under the following categories :**

<ul style="list-style-type: none"> <li>○ Circular Economy Champion</li> <li>○ Most Innovative Project</li> <li>○ Innovative Project</li> </ul>	<ul style="list-style-type: none"> <li>○ Most useful project</li> <li>○ Most replicable project</li> </ul>
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- *Shortlisted best practices will be used for publications in the conference proceedings.*

Name of the organization				
Unit Address with phone, e mail, website :				
Name, mobile & email of the CEO				
Products / Services in brief				
Area covered of the unit:				
EIA carried out :				
No of Employees :				
Turnover in Lacs in INR	2016-17	2017-18	2018-19	2019-20,1/2 Qtr
Client Countries				
ISO Certification, Awards, if any				

We are interested to be assessed for the “9<sup>th</sup> IconSWM 2019 Excellence Award” in Waste Management & Resource Circulation. We are enclosing herewith a draft of INR 23,600/- including GST @ 18% in favour of “ISWMAW” or paid through bank transfer towards the entry fee for the Award Competition.

Seal & date

.....  
Signature of CEO / Unit Head

*The report should be within 30 pages. You may add ppt presentation along with the report, if you desire.*

Please send the filled in format with all the details and the Demand Draft to :  
Prof S K Ghosh, Chairman, 9<sup>th</sup> IconSWM 2019, Centre for Quality Management System, Blue Earth, Jadavpur University, Kolkata 700032, India. Superscribe the envelop : “9<sup>th</sup> **IconSWM 2019 Award Entry for Industry**”.

The firm is requested to prepare a report on the activities and performance based on the following points and send the word editable copy along with a pdf file. The document should contain data along with the information and a few photographs which demonstrate the project:

## Questionnaire for Waste Management

At the beginning of the report please write an executive summary of not more than 500 words all in 11 Arial font size. And give a flow chart of the processes showing inputs and outputs. Show the waste generation points and recycling activities, energy savings and heat / energy utilization.

### Brief description of the specific project implemented

- I. **Title of the Project :**
- II. **Details of the Project**
  - a. **Brief description of the project with schematic representation (mandatory)**
- III. **Uniqueness of the project**  
How and why it is unique? (Give details - not crossing 100 words)  
  
Is the project first time in the sector - Yes /No – If Yes (Give details - not crossing 100 words)
- IV. **Replication potential of the project in Indian Industry**
  - a. How this project can be implemented in different companies of same sector and other sectors?
- V. **Mention the trigger major thrust/reason behind initiating the project** (Give details - not crossing 150 words)
- VI. **Provide the cost economics & the environmental benefits of Projects ( Please tabulate – Tangible/ Non-Tangible) Specimen given below**

Project Cost  (INR Lakhs)	Intangible Benefits	Tangible Benefits	Savings  (in UoM )	Saving  (INR Lakhs)	Pay Back  (Years)

- VII. **National standards/ benchmarks**
  - a. How did the project help organization in achieving/reaching towards National/International standards? - (Give details - not crossing 100 words)

*Note: Separate templates may be used for every project stating **Brief description of the projects implemented from I to IIV points. You may name : Prject 1, Project 2, Project 3 and so on***

## Common points

Kindly complete the followings. Where the point is not applicable, you may write not applicable.

1. Initiatives in waste management :
  - A) Waste reduction, Waste Recycling, energy recovery or any other ( both solid and liquid) initiative in the process / services / production / design stage.
  - B) Waste management in housing estate / factory premises / canteen etc.
  - C) C & D Waste Management
2. Initiative in protection of environment other than Waste Management
3. Initiative in protection of environment and to mitigate climate change issue.
4. Specific recycling.
5. Awareness generators within and recover initiative outside the facility.
6. CSR on environment protection and waste management.
7. Any coordination on joint project with ULB.
8. Funding Research on SWM/ Environmental Protection.
9. Environmental policy and adoption of international standard.
10. Expenditure on last 3 year on Environmental project.
11. Direct benefit achieved.
12. Sustainable resource utilization

## Questionnaire for Green Supply Chain management

### Environmental Regulations

1. What are the Central governmental environmental regulations in your industry?
2. What are the regulations for sales to foreign customers and sales to domestic customers?
3. State about supplier's advances in developing environmentally friendly goods and packaging materials
4. State about competitors' green strategies and industrial professional group activities
5. What are enterprise's environmental missions ?
6. What is the potential liability for disposal of harmful materials?
7. What are the cost for disposal of harmful materials, cost of environmentally friendly goods, and cost of environmentally friendly packaging?

### Supplier

1. Whether design specification to suppliers that include environmental requirements for purchased item is provided?
2. What sort of cooperation is done with suppliers for environmental objectives?
3. Is there any environmental audit for suppliers' internal management?
4. Whether the major suppliers are certified with ISO 14001 or any other environment certification?
5. Whether second tier suppliers' environmentally friendliness being evaluated ?
6. Have you implemented Green Supply Chain Management system? If yes, how?
7. Have you any initiative of implementing Green Manufacturing Initiative? If yes, What are those and how are being implemented ?

**Customer**

1. How much cooperation with customers is required for eco design, for cleaner production, for green packaging, for least energy consumption in logistics?

**Internal**

2. How much investment recovery (sales) is done of excess inventories / materials?
3. How much sales of scrap and used materials are done?
4. How much sales of excess capital equipment are done?
5. Whether design of products for reduced consumption of material / energy, design of products for reuse, recycle, recovery of materials, component parts, and design of products to avoid or reduce use of harmful of products and / or their manufacturing process are practiced?
6. How much commitment of GSCM ( Green Supply Chain Management) from top management, from middle management, and gross functional cooperation for environmental improvement has been achieved?
7. State the environmental compliance and audit procedure.
8. Whether the concerned organization has ISO 14000 certification?
9. State the environmental management system of your organization.
  
10. What are your perceptions about the relationship between pollution and economic growth and implications for a developing country like Bangladesh?
11. What is your understanding about the severity and magnitude of the impact of environmental and climate change caused by the corporate activities?
12. To what extent do you think that companies should issue policy statements in their annual reports related to environmental pollution and climate change?
13. To what extent do you think that companies should disclose their Green House Gas (GHG) emission data in annual reports or in their websites?
14. Which categories of information/data do you want them to disclose in their reports or websites?
15. To what extent do you think that due to climate change business setting will be changed in future? If yes, how and what type of changes do you think may take place?
16. What sorts of mitigation measures should preferably be undertaken by companies?
17. What sorts of adaptation measures should preferably be undertaken by companies?
18. Which kinds of activities/initiatives are currently being undertaken by your organization to create awareness among the people at large and the corporate bodies in particular?
19. Carbon Trading?

**Special initiative on waste management**

**Please specify the data available in your organization against respective performance indicator in your organization, if identified.**

Indicators	Break up	Detail Break ups	Data