



Confederation of Indian Industry

National Award for Excellence in Water Management 2011 December 2011 :

Award Competition Questionnaire - Details

Objective

- Recognise and Award “Excellence” in Water Management in Industries
- Facilitate sharing of information by excellent water efficient companies
- Instill a sense of competition to motivate other plants to achieve excellence
- To recognize the leadership role in implementing water and watershed management projects with the involvement of public / private agencies and community.

Eligibility

- Excellence award winners for 5 consecutive years will get in listed in Hall of Fame

Methodology

- Companies will be short-listed based on the questionnaire.
- Evaluation of the questionnaire will be based on :
 - ❖ How close the units are towards global best in sp. water consumption
 - ❖ Innovation in projects implemented
 - ❖ Consistent reduction in specific water consumption figures
 - ❖ Water saving projects implemented and savings achieved
 - ❖ Involvement of employees, Team work in water, Monitoring & Reporting systems, Environmental projects
 - ❖ Reduction in waste water discharge and efforts towards achieving zero discharge
 - ❖ Other water conservation measures including monitoring per capita water consumption etc
- Short-listed companies will be invited to make presentation at the competition in **November 2011**.

Benefits

- Sharing of information by excellent energy efficient companies
- Facilitate adoption of similar projects at your units, leading to enormous saving
- Instill a sense of competition to motivate other plants to achieve excellence

Questionnaire

The details of the Award Scheme 2011 and soft format of the questionnaire can be downloaded from www.greenbusinesscentre.org **(from 1st June 2011)** or Email: ziaur.rahman@cii.in

Last date for submission of filled-in questionnaire: 1.9.2011

**CII-SOHRABJI GODREJ GREEN BUSINESS CENTRE
AWARD FOR “EXCELLENCE IN WATER MANAGEMENT” 2011
QUESTIONNAIRE**

A. Company Details:

Company Name:		Type of process:		
Address:		Plant Water Demand (Max)	m ³	
City:		Production capacity of the plant:		
Pin code:		Product #1:		
Phone:		Product #2:		
Fax:		Product #3:		
Email:				
Contact Person:		Annual Turn over of the company (2009 – 2010)*:		
Designation:				
Type of Company:		Water Cost as a % of manufacturing cost		

B. (i) Water consumption details:

Year (April - March)	Annual Water consumption			Production in tons or any other unit of production	Specific Water Consumption m ³ /MT
	Quantity (m ³)		Source of Water		
	Industrial	Drinking/Domestic use	Industrial		
2007 – 08					
2008 – 09					
2009 – 10					
2010 – 2011					

NOTE:

1. Do not include water supply to nearby community and colony in Domestic
2. Specific water consumption should be calculated based on water consumption inside plant only.
3. If Specific Water Consumption figures are not applicable please specify with reasons

NOTE FOR B (i)

- I. Source of water: Municipal supply, River water, Bore well water, Sea water, others.
 - II. Industrial water consumption: Process, Utility, Cooling, Domestic consumption inside the plant
 - III. Domestic water consumption: Colony consumption, Water supply to near by community
4. The specific water consumption should include all industrial consumption Process, Utilities, Cooling and domestic consumption inside the plant.
5. The specific water consumption units for select sectors are given below:

Cement	m ³ /Ton of Cement
Automobile	m ³ / Vehicle (car, truck, bike etc)
Refinery	m ³ //Ton of product
Paper	m ³ / MT of FNP
Caustic chlorine	m ³ / Ton of product
Aluminium	m ³ / Ton
Copper	m ³ / Ton of Product
Textile	m ³ / Ton of product
Ceramic	m ³ / Ton of Product
Fertilizer	m ³ / Ton of Product
Foundry	m ³ /MT of Product
Sugar	m ³ /Ton of Cane crushed
Power Plant	m ³ /MWh
Pharmaceuticals	m ³ /Ton of Eq Product
Glass	m ³ /Ton of Product
Engineering	m ³ /Ton of Eq Product
Buildings	m ³ /square feet

* Total production of product

B. (ii) Comparison with National and International Benchmarks on Water Consumption:

1. Please mention the International and National Benchmarks for units similar to yours (if applicable).			
	National Benchmark ***	International Benchmark ***	CPCB Benchmark ***
Specific Water Consumption (m³/Ton)			
Use this space to support your choice of benchmark			
<i>*** Source of information / name of reference unit for Benchmarking also may be mentioned. Send a copy of reference document.</i>			
2. Please describe (a) Ultimate Target/Objective, (b) Strategy to achieve and sustain World Benchmark.			

NOTE:

1. Include drinking, washing, toilets, cooking, watering plants, cleaning etc
2. Include only fresh water consumption in the above areas. Do not include recycled water quantity.

C. Per capita Domestic Water consumption:

Year	Industrial			Colony water consumption		
	Consumption m ³	Average employees per day	Percapita consumption per person/day	Consumption m ³	No of persons	Per capita consumption/day
2007-08						
2008-09						
2009-10						
2010-2011						

Note: Per capita consumption should be reported as liters/ person/day

D (i). Wastewater generation and Discharge details (Industrial)

Year (April-March)	Quantity generated (m ³)	Quantity recycled (m ³)		Quantity discharged (m ³)		Waste Water Discharge/Ton of Product
		(m ³)	%	(m ³)	%	
2007 – 08						
2008 – 09						
2009 – 10						
2010 – 2011						

Note:

1. Please include quantity in m³ as well as percentage
2. If Specific Waste Water discharge figures are not applicable please specify with reasons

D (ii) Is the industrial effluent of the unit treated before the final discharge?

D (iii) If yes, describe briefly the method of treatment of the Industrial effluent in your unit.

D (iv) Wastewater generation and discharge details (Domestic)

Year (April-March)	Quantity generated (m ³)	Quantity recycled (m ³)		Quantity discharged (m ³)		Waste Water Discharge/Ton of Product
		(m ³)	%	(m ³)	%	
2007 – 08						
2008 – 09						
2009 – 10						
2010 – 2011						

Note: Please attach any letter/ certification of commendation of civic/appropriate authority if any.

E. Comparison with National and International Benchmarks on Waste Water Discharge:

1. Please mention the International and National Benchmarks for units similar to yours (if applicable).

	National Benchmark ***	International Benchmark ***	CPCB Benchmark ***
Waste Water Discharge (m³/Ton)			

Use this space to support your choice of benchmark

**** Source of information / name of reference unit for Benchmarking also may be mentioned. Send a copy of reference document.*

2. Please describe (a) Ultimate Target/Objective, (b) Strategy to achieve and sustain World Benchmark and Zero discharge.

F. List of Water Conservation Projects implemented during April 2007 – March 2011

(Planned date of completion:
Actual date of completion)

Sl No	Title of Water Saving project implemented	Year of Implementation	Annual Water Savings		Invest. Made	Payback Period (Months)	Planned date of completion	Actual date of completion
			m ³	Rs. Lakhs	Rs. Lakhs			
<p>Total</p>								

G. Details about one innovative project implemented for saving water in the last year 2010-2011 (Please avoid projects mentioned in last year Questionnaire)

(Attach word document/pictures separately if required)

H. Extent of Team work in Water Conservation

Please describe a typical implementation methodology adopted by industry & type of involvement of workmen, supervisors, middle management and top management.

Note: Please attach all associated photographs/minutes of the meeting if any

I. Monitoring & Reporting Systems

Frequency of review of water consumption and water conservation projects: Daily / Weekly / Monthly etc.

**Please also describe the monitoring & reporting system followed at your unit
Request you to attach a sample reporting format**

Who Conducts Review meeting

(Attach a copy of sample/specimen including agenda)

**J. List of major environmental improvements made during April 2008–
March 2011**

**K. List of activities carried out for awareness on water conservation in
Plant, Residential Colony, Local Community etc. during 2010 – 2011**

**L. List of Certifications (ISO 9000/14000, OHSAS 18000, SA 8000 etc),
and other Awards won in the areas of Environment, Quality,
Productivity and Safety during the year 2010 – 2011**

M. Cost of Water as applicable to your industry

Description	Source of Water*	Cost of Water (Rs/m³)
Raw Water		
Final treated water		

Note:

1. * Applicable for raw water – Borewell, River water, Municipal water, sea water, others
2. Include water cess paid to respective State Pollution Control Board.

N. Vendor/ associate involvement in conserving water:

(Efforts taken by companies in improving water efficiency of their vendors / suppliers, customers & other stake holders like awareness creation programs, internal competitions/ awards etc)

Your listing of these inputs will be essential to prove the replication of best practices carried out.

O. Briefly mention the anti pollution drives implemented by your unit for protecting the ground/surface water contamination (Please attach any letter/ certification of commendation of civic/appropriate authority if any)

*CII AWARD FOR EXCELLENCE IN WATER MANAGEMENT -
2011
CERTIFICATE*

To the best of my knowledge, the information furnished is correct			
Date:		Signature:	
		Name:	
		Designation:	
		Company seal:	
<p>Please note</p> <ul style="list-style-type: none">• <i>In case, you need additional copies for your units, please send the soft questionnaire to them or else download the soft questionnaire from www.greenbusinesscentre.com</i>• <i>Last date for the submission of filled-in questionnaire: 1st September 2011</i>• <i>The questionnaire should be completed in all respect and send it to ziaur.rahman@cii.in</i>• <i>Incomplete questionnaires will not be considered for competition / awards</i>			