Second Report on Cleaner Production Promotional Activities

(Supported by: Department of Forests and Environment, Government of Gujarat)



Gujarat Cleaner Production Centre



(Established by Industries & Mines Department, GoG) Block No: 11-12, 3rd Floor, Udhyog Bhavan, Sector-11, Gandhinagar -382017, Gujarat (India) Phone: + 91 79 232 44 147 Mail: gcpc11@yahoo.com, info@gcpcgujarat.org.in Website: www.gcpcgujarat.org.in

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Second Report on

Cleaner Production Promotional Activities

Project Background:

The concept of Cleaner Production is very simple "prevention is better than cure; a stitch in time saves nine". It is a preventive environmental strategy for waste minimization and environmental pollution. It is a 'win-win' strategy. It protects the environment, the consumer and the worker while improving industrial efficiency, profitability, and competitiveness. The key difference between pollution control and Cleaner Production is therefore one of timing. Pollution Control is an after-the-event, 'react and treat' approach while Cleaner Production is a forward looking, 'anticipate and prevent' philosophy. Cleaner Production helps reducing environmental pollution, waste minimization, raw material conservation and leads to sustainable industrial development.

GCPC is actively engaged in promotion of Cleaner Production and Clean Technology since its inception in the year 1998. The Department of Forests and Environment, GoG has initiated a proactive step by supporting GCPC in promoting the concept of cleaner production across the State of Gujarat. As a part of this Department of Forests and Environment, Government of Gujarat assigned a project of creating awareness towards promoting the concept of Cleaner Production to industries, students, academicians, personnel engaged with household activities etc.

The Second Report on Cleaner Production Promotional Activities includes the progress of the Cleaner Production Promotion Programme at Industrial Estates and amongst the various other related groups and organizations covering the period from August, 2016 to November, 2016.

Cleaner Production Promotion Programme:

Cleaner Production Promotion Programmes at various industrial estates and amongst the various other related groups were conducted as below.

- 1. CP Promotion for Stone Crushing Industries at Vadgam Stone Quarry Association, Sabarkantha, Gujarat, dated 18/08/2016
- 2. CP Promotion for Ceramic Sector of Sabarkantha at Sabarkantha Ceramic Association, Gujarat, dated 30/08/2016
- 3. CP Promotion Programme at Nandesari Industrial Estate, Nandesari, Vadodara, Gujarat, dated 19/9/2016
- 4. CP Promotion for Household at Gandhinagar, dated 20/9/2016

- 5. CP Promotion for Chemical Sector at Dahej Industrial Estate, Dahej, Gujarat, dated 26/9/2016
- 6. CP Promotion for Officers of Industries Commissionerate (I.C.), Gujarat at Gandhinagar, dated 11/11/2016

Preparation of Promotion Programme:

Though to conduct Promotion Programme on Cleaner Production is a routine activity, but for this project an exclusive team of senior officials from GCPC have been formed under direct supervision of Member Secretary, GCPC.

A descriptive presentations covering following themes have been prepared:

→ Industrialization & Cleaner Production

- Industrial Scenario of Gujarat
- Measure for Environment Protection (End of Pipe) Treatment & Disposal
- Concept of CP
- Establishment of GCPC
- Support by Department of Forests and Environment, GoG
- \rightarrow CP Tools
- → CP Methodology

\rightarrow Success Stories of CP

- Textile Sector
- Chemical Sector
- Dyes and Dyestuff Sector
- Pharmaceutical Sector
- Electroplating Sector
- Recycle Paper Sector
- Pulp and Paper Sector
- Service Sector like Hotels & Hospitals
- Foundry Sector
- Stone Crushing Sector
- Bentonite Sector
- Fish Processing Sector

\rightarrow Financial Assistance

- → Scheme of financial assistance for CP Implementation under Gujarat Industrial Policy- 2015 of Industries Commissionerate, Government of Gujarat
- → An environment friendly jute bags were distributed to all participants, consisting of:
 - CD comprising of following things:
 - → Guidelines on Cleaner Production Implementation in various sectors, Posters, Cleaner Production Booklets prepared by GCPC.
 - → Schemes of financial assistance under Gujarat Industrial Policy 2015 of Industries Commissionerate, Government of Gujarat
 - → Copy of Power Point Presentations
 - \rightarrow Writing Pad made of Recycled Paper
 - \rightarrow Pen
 - \rightarrow Programme Schedule

The details of the awareness programme are given in the following pages.

Second Report on Cleaner Production Promotional Activities

Cleaner Production Promotion at Vadgam Stone Quarry Association

Date: 18th August, 2016

Time: 10:00 am to 1:00 pm

Venue: Vadgam Stone Quarry Association, Tal Dhansuram, Dist Sabrkantha

Programme Attendees:

Organization	Name of the Official / Participants
GCPC	Mr. P.R. Rathod,
	Sr. Project Engineer
	Mr. Sumit Patel,
	Assistant Project Engineer
Vadagam Stone	Shri Ramanbhai Patel, President
Quarry Association	Vadgam Stone Quarry Association
	& Around 35 member industries of
	Vadgam Stone Quarry Association

Presenter	Theme covered
Mr. P.R. Rathod	Cleaner Production in Stone Crushing Industry
Mr. Sumit Patel	Solution of the air pollution caused by stone
	crushing industry

Second Report on Cleaner Production Promotional Activities

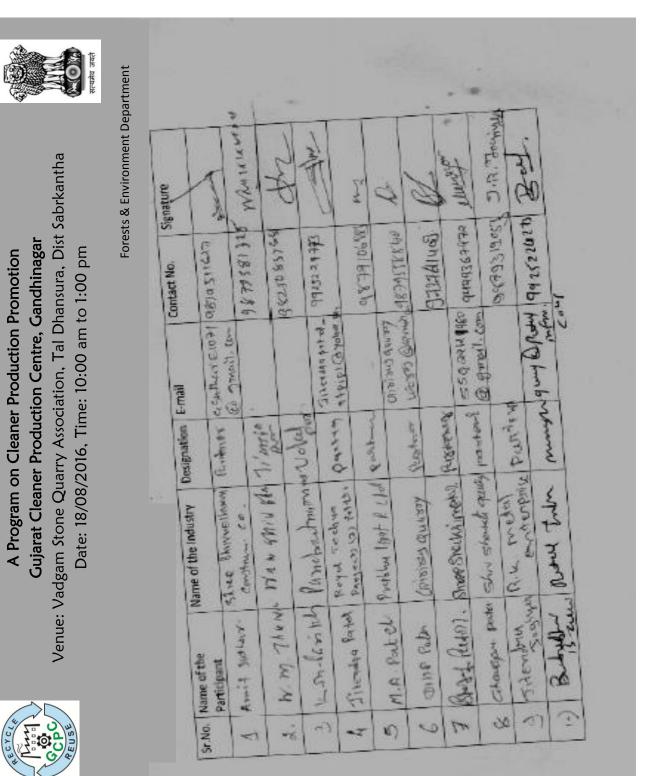
Programme Schedule:

Date: 18th August, 2016

Time: 10:00 am to 1:00 pm

Venue: Vadgam Stone Quarry Association, Tal. Dhansura Dist. Sabrkantha

Duration	Activity
9:30 to 10:00	Registration & Tea
	Welcome address by President
10:00 to 10:15	Vadgam Stone Quarry Association
	Address by Mr. P.R. Rathod,
10:15 to 11:00	Sr. Project Engineer, GCPC
	Discussion on the Problems of Air Pollution due to Stone Crushing
11:00 to 11:30	Industry by President, Vadgam Stone Quarry Association
	Presentation on solution of the air pollution caused by stone
11:30 to 11:55	crushing industry by Mr. P.R. Rathod, Sr. Project Engineer, GCPC
	Presentation on Cleaner Production in Stone Crushing Industry by
11:55 to 12:30	Mr. Sumit Patel, Assistant Project Engineer, GCPC
12.30 to 1:00	Question Answers
1:00 PM	Discussions With Vote of Thanks
Onwards	



Attendance Sheet

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Second Report on Cleaner Production Promotional Activities

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Cleaner Production Promotion at Sabarkantha Ceramic Association

- Date: 30th August, 2016
- Time: 11:00 am to 1:00 pm
- Venue: Sabarkantha Ceramic Association, Tal- Himmatnagar, District- Sabarkantha

Programme Attendees:

Organization	Name of the Official / Participants
GCPC	Dr. Bharat Jain, Member Secretary, GCPC
GEFC	Mr. P.R. Rathod,
	Sr. Project Engineer, GCPC
Sabarkantha Ceramic	Shri. Manibhai Patel,
Association (SCA)	President SCA
Association (SCA)	and around 35 member industry

Presenter	Theme covered
Dr. Bharat Jain	Concept of Cleaner Production and Clean Technology
Shri P.R. Rathod	Cleaner Production in Chemical Sector & Gujarat Industrial Policy, 2015

Second Report on Cleaner Production Promotional Activities

Programme Schedule:

Cleaner Production Promotion Programme Schedule

Date: 30th August, 2016

Time: 11:00 am to 1:00 pm

Venue: Sabarkantha Ceramic Association, Ta- Himmatnagar, District- Sabarkantha

Duration	Activity
11:00 to 11:30	Registration & Tea
11:30 to 11:35	Welcome address by Shri Manibhai Patel, President SCA
11:35 to 11:40	Address by Dr. Bharat Jain, Member Secretary, GCPC
11:40 to 12:10	Presentation on Concept of Cleaner Production by Dr. Bharat Jain, Member Secretary, GCPC
12:10 to 12:55	Presentation on Cleaner Production in Ceramic Sector & Gujarat Industrial Policy,2015 by Mr. P.R. Rathod, Sr. Project Engineer, GCPC
12:55 Onwards	Vote of thanks

Attendance Sheet



A Program on Cleaner Production Promotion Gujarat Cleaner Production Centre, Gandhinagar Venue: Sabarkantha Ceramic Association, Ta- Himmatnagar, District- Sabarkantha Date: 30/08/2016, Time: 11:00 am to 1:00 pm

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Cleaner Production Promotion Programme at Nandesari Industrial Estate, Nandesari, Vadodara

Date: 19th September, 2016

Time: 10:30 am to 12:30 pm

Venue: Nandesari Industries Association, Nandesari

Programme Attendees:

Organization	Name of the Official / Participants
	Dr. Bharat Jain, Member Secretary
	Mr. P.R. Rathod, Sr. Project Engineer
	Mr. Hiren Bhendwal, Sr. Project Engineer
GCPC	Mr. Abhi Patel, Assistant Project Engineer
	Mr. Krishnanand Pandey,
	Assistant Project Engineer
	Mr. Paras Gojiya, Assistant Project Engineer
	Mr. Kashyap Arya, Assistant Project Engineer
GPCB	Mrs. M. U. Patel, DEE, Vadodara
	Ms. Niharika Vasava, AEE, Vadodara
GIDC	Mr. P. P. Sheth, DEE & NAO, Vadodara
Nandesari Environment Control Ltd. (NECL)	Mr. B. C. Patel, Chairman, NECL
Nandesari Industries Association (NIA)	Around 35 member industries of Nandesari

Presenter	Theme covered
Dr. Bharat Jain	Cleaner Production Concept, Tools and
	Methodology
Mr. P R Rathod	Case Study on Cleaner Production in
	Chemical Sector
Mr. Abhi Patel	Gujarat Industrial Policy

Programme Schedule:

Cleaner Production Promotion Programme Schedule

- Date: 19th September, 2016
- **Time:** 10:30 am to 12:30 pm

Venue: Nandesari Industries Association, Nandesari

Duration	Activity
10:30 to 11:00	Registration & Tea
11:00 to 11:05	Welcome Address by Shri B. C. Patel, Chairman, Nandesari Environment Control Ltd.
11:05 to 11:20	Presentation on Cleaner Production by Dr. Bharat Jain, Member Secretary, GCPC
11:20 to 11:45	Presentation on Cleaner Production in Chemical Sector by Mr. P. R. Rathod, Sr. Engineer, GCPC
11:45 to 12:15	Presentation on Gujarat Industrial Policy 2015 by Mr. Abhi Patel, Assistant Project Engineer, GCPC
12:15 Onwards	Discussions With Vote of Thanks

A Program on Cleaner Production Promotion Gujarat Cleaner Production Centre, Gandhinagar Venue: Nandesari Industries Association, Nandesari Date: 19/09/2016, Time: 10:30 am to 12:30 pm



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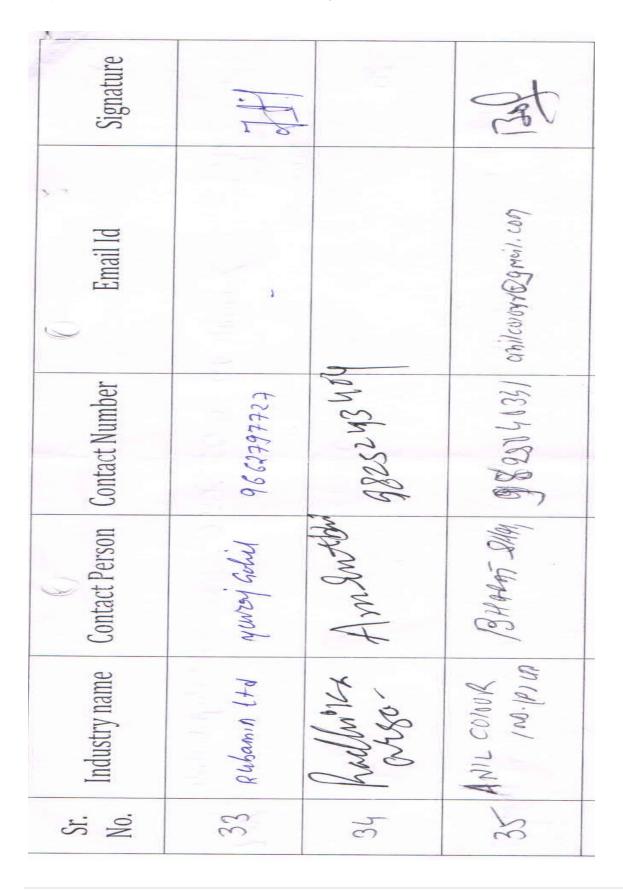
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Photos









Gujarat Cleaner Production Centre

Cleaner Production Promotion for Household at Gandhinagar

Date: 20th September, 2016

Time: 3:00 pm to 5:00 pm

Venue: Conference Room, GCPC, Gandhinagar

Programme Attendees:

Organization	Name of the Official / Participants
GCPC-ENVIS	Staff Members of GCPC-ENVIS
Vidhya Bharati Training Sankool	Shri Pravinbhai Vaghasiya and Shri Hemendrabhai Dave, Trustees of Vidhya Bharati Training Sankool and around 35 members of Vidhya Bharati Training Sankool

Presenters	Topics Covered
Dr. Bharat Jain,	Introduction of Cleaner Production
Member Secretary, GCPC	
Ms. Disha Bhavsar,	Water Conservation
Assistant Project Engineer,	
GCPC	
Mr. Kashyap Arya,	Energy Conservation
Assistant Project Engineer,	
GCPC	
Ms. Priyanka Joshi,	Food waste management & Plastic waste
Information Officer,	management
GCPC-ENVIS	

Programme Schedule:

Date: 20th September, 2016

Time: 3:00 pm to 5:00 pm

Venue: Conference Room, GCPC, Gandhinagar

Duration	Activity
3:00 to 3:10	'Saraswati Vandana' by GCPC-ENVIS team and Participants
3:10 to 3:20	Registration & Tea
3:20 to 3:50	Welcome address and Presentation on Cleaner Production by Dr. Bharat Jain, Member Secretary, GCPC and Coordinator ENVIS
3:50 to 4:05	Presentation on Water Conservation by Ms. Disha Bhavsar, Assistant Project Engineer, GCPC
4:05to 4:20	Presentation on Energy Conservation by Mr. Kashyap Arya, Assistant Project Engineer, GCPC
4:20 to 4:35	Presentation on Food waste management & plastic waste management by Ms. Priyanka Joshi, Information Office, GCPC-ENVIS
4:35to 4:45	Discussion of Cleaner Production in School and Household with Shri Pravinbhai Vaghasiya and Shri Hemendrabhai Dave, trustees of Vidhya Bharati Training Sankool
4:45 to 4:50	Open discussion between participants and experts
4:50 to 5:00	Vote of thanks by Dr. Bharat Jain, Member Secretary, GCPC and Coordinator ENVIS

Photos:





Gujarat Cleaner Production Centre

Cleaner Production Promotion at Dahej Industrial Estate, Dahej

Date: 26th September, 2016

Time: 11: 00 am to 01:00 pm

Venue: Dahej Industries Association building, Dahej, Dist. Bharuch, Gujarat

Programme Attendees:

Organization	Name of the Official / Participants
	Mr. Hiren Bhendwal, Sr. Project Engineer
GCPC	Mr. Paras Gojiya, Assistant Project Engineer
	Mr. Kashyap Arya, Assistant Project Engineer
	Mr. H. C. Solanki, Regional Officer
	Mr. F. M. Modi, Deputy Environment
GPCB	Engineer
	Mr. J. M. Mahida, Deputy Environment
	Engineer (Vigilance, Vadodara)
DIA (Dahej Industries	Mr. M. A. Hania, President
Association)	Along with around 50 member industries and office bearers of DIA

Presenter	Theme covered				
Mr. Hiren Bhendwal	Cleaner Production Concept, Tools and				
Mr. Thren bhendwar	Methodology				
Mr. Paras Gojiya	Case Study on Cleaner Production in Chemical Sector				
Mr. Kashyap Arya	Gujarat Industrial Policy				

Programme Schedule:

Date: 26th September, 2016

Time: 11: 00 am to 01:00 pm

Venue: Dahej Industries Association building, Dahej, Dist. Bharuch, Gujarat

Duration	Activity
11:00 to 11:30	Registration & Tea
11:30 to 11:35	Welcome address by Mr. M. A. Hania, President, DIA
11:35 to 11:40	Address by Mr. F. M. Modi, Deputy Environment Engineer, GPCB
11:40 to 12:10	Presentation on Cleaner Production by Mr. Hiren Bhendwal, Sr. Project Engineer, GCPC
12:10 to 12:40	Presentation on Cleaner Production in Chemical Sector by Mr. Paras Gojiya, Assistant Project Engineer, GCPC
12:40 to 12:55	Presentation on Gujarat Industrial Policy by Mr. Kashyap Arya, Assistant Project Engineer, GCPC
12:55 Onwards	Discussions With Vote of Thanks

Attendance Sheet

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A Program on Cleaner Production Promotion Gujarat Cleaner Production Centre, Gandhinagar



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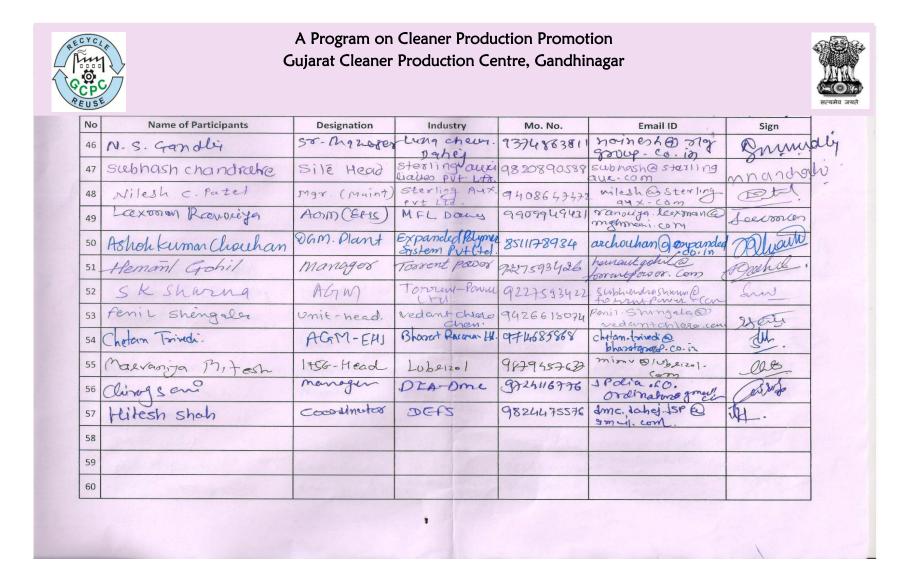


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Gujarat Cleaner Production Centre

Cleaner Production Promotion for officers, Industrial Commissionerate, Gandhinagar

Date: 11th November, 2016

Time: 3:00 pm to 4:00 pm

Venue: 2nd Floor, Index-B Conference Hall, Udhyog Bhavan, Gandhinagar.

Programme Attendees:

Organization	Name of the Official / Participants
	Dr. Bharat Jain,
GCPC	Member Secretary, GCPC
	Mr. P.R. Rathod,
	Sr. Project Engineer, GCPC
	Shri D. R. Parmar,
IC, GUJARAT	Dy. Commissioner of Industries (Inc),
	Gandhinagar
IC, GUJARAT	General Managers of all DIC, Gujarat

Presenter	Theme covered
Mr. P.R. Rathod	Cleaner Production and Clean Technology

Programme Schedule:

Cleaner Production Promotion Programme Schedule

Date: 11th November, 2016

Time: 3:00 pm to 4:00 pm

Venue: 2nd Floor, Index-B Conference Hall, Udhyog Bhavan, Gandhinagar.

Duration	Activity
2:30 to 3:00	Registration & Tea
3:00 to 3:05	Welcome address by Shri D. R. Parmar, Dy. Commissioner of Industries (Inc), Gandhinagar
3:05 to 3:15	Address by Dr. Bharat Jain, Member Secretary, GCPC
3:15 to 3:45	Presentation on Cleaner Production and Financial Assistance Under Gujarat Industrial Policy, 2015 by Mr. P.R. Rathod, Sr. Project Engineer, GCPC
3.45 to 3:55	Question Answers
3:55 to 4:00 PM Onwards	Discussions With Vote of Thanks



"We've been chasing the cure rather than the care"

Gujarat Cleaner Production Centre

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