

**MONITORING REPORT FORM (CDM-MR)**  
**Version 01 - in effect as of: 28/09/2010****CONTENTS**

- A. General description of the project activity
  - A.1. Brief description of the project activity
  - A.2. Project participants
  - A.3. Location of the project activity
  - A.4. Technical description of the project
  - A.5. Title, reference and version of the baseline and monitoring methodology applied to the project activity
  - A.6. Registration date of the project activity
  - A.7. Crediting period of the project activity and related information
  - A.8. Name of responsible person(s)/entity(ies)
- B. Implementation of the project activity
  - B.1. Implementation status of the project activity
  - B.2. Revision of the monitoring plan
  - B.3. Request for deviation applied to this monitoring period
  - B.4. Notification or request of approval of changes
- C. Description of the monitoring system
- D. Data and parameters monitored
  - D.1. Data and parameters used to calculate baseline emissions
  - D.2. Data and parameters used to calculate project emissions
  - D.3. Data and parameters used to calculate leakage emissions
  - D.4. Other relevant data and parameters
- E. Emission reductions calculation
  - E.1. Baseline emissions calculation
  - E.2. Project emissions calculation
  - E.3. Leakage calculation
  - E.4. Emission reductions calculation
  - E.5. Comparison of actual emission reductions with estimates in the registered CDM-PDD
  - E.6. Remarks on difference from estimated value

Annex I

Annex II

Annex III

**MONITORING REPORT**  
**Version 01 Date 23/09/2011**

**Greenhouse gas (GHG) reduction by implementing energy efficient plough share mixer (PSM) technology in soap manufacturing at Hindustan Lever Limited (HLL), India**  
**Reference Number: 1188**

**Monitoring period: 01**  
**Monitoring Period: 31/08/2007 - 31/05/2011 (first and last days included)**

**SECTION A. General description of the project activity****A.1. Brief description of the project activity: >>**

&gt;&gt;

Hindustan Unilever Limited (HUL) is one of the largest fast moving consumer goods (FMCG) company in India, manufacturing home, personal care products, foods and beverages.

**Purpose of the project activity:**

HUL has innovated and implemented a new process for manufacturing soap noodles called as the (Plough Share Mixer) PSM technology (“project activity”) which is more energy efficient when compared to the previously used technology called as the Bran and Luebbe Supraton (BLS) – Mazzoni process. PSM is a soap manufacturing process patented by HUL under the Indian Patent Specification for ‘Improved method of manufacture of soap’. The objective of the project activity is to eliminate the steam consumption in soap noodles manufacturing. Manufacturing soap by using PSM technology eliminates the requirement of steam generation from fossil fuels such as high-speed diesel (HSD) or coal and therefore reduces the Greenhouse Gas (GHG) emissions whilst maintaining the same quality requirements of the BLS-Mazzoni technology for soap noodles manufacturing.

HUL was earlier using a process called BLS – Mazzoni, for manufacturing soap noodles, which has now been replaced by the project activity (the PSM process), a new soap noodles manufacturing process developed in-house by the Project proponent. This technology has been developed and patented by HUL.

**Project activity - PSM process description:**

The technology developed in-house by HUL is the batch type energy efficient PSM technology which uses the plough share mixer (as a mixer), reaction vessel and drier. Use of single equipment in three roles reduces the heating and cooling losses. This is a batch type process in which DFA and alkali are introduced by gravity flow over a period of 8-10 minutes and mixing takes place after which, ethylene diamine-tetra acetic acid (EDTA)/ ethane-1-hydroxy-1, 1-diphosphonate (EHDP) dosing takes place for 10 minutes. While using PSM technology, the temperature of the soap mass would be kept to 100 °C. After the mixing phase, the blower is switched on which supplies ambient air for cooling the soap mass and removes the moisture. The final product is received at 80-85°C with less than 15% moisture, as in the BLS- Mazzoni process.

PSM technology enables reduction in steam consumption when compared to the BLS-Mazzoni process. For the purpose of drying, a blower has been installed which increases electricity consumption in the manufacturing process. The project activity reduces the GHG emissions when compared to the BLS - Mazzoni process. HUL has implemented the project activity in three of their plants in India located: Khamgaon(State of Maharashtra), Goa, and Gandhidham(State of Gujarat). Plant wise details of project activity are described in Table 1.1.

**CDM – Executive Board**

Site	Project Start Date
Khamgaon	31/05/2001
Goa	02/01/2002
Gandhidham	13/05/2003

The first monitoring period is thus considered from the date of registration i.e. 31/08/2007 to 31/5/2011. During this monitoring period, the total CERs achieved are 55,640 tCO<sub>2</sub>e.

**A.2. Project Participants**

&gt;&gt;

Name of Party involved (host) indicates a host Party)	Private and/or public entity(ies) project participants (as applicable)	Kindly indicate if the Party involved wishes to be considered as project participant (Yes/No)
India (Host)	M/s Hindustan Unilever Limited (Private Entity)	No

**A.3. Location of the project activity:**

&gt;&gt;

The project activity of HUL is the implementation of new energy efficient PSM technology and therefore replacement of BLS – Mazzoni technology at one of their existing plant locations (Khamgaon) and implementation of the project activity at two (Gandhidham, Goa) new plant locations.

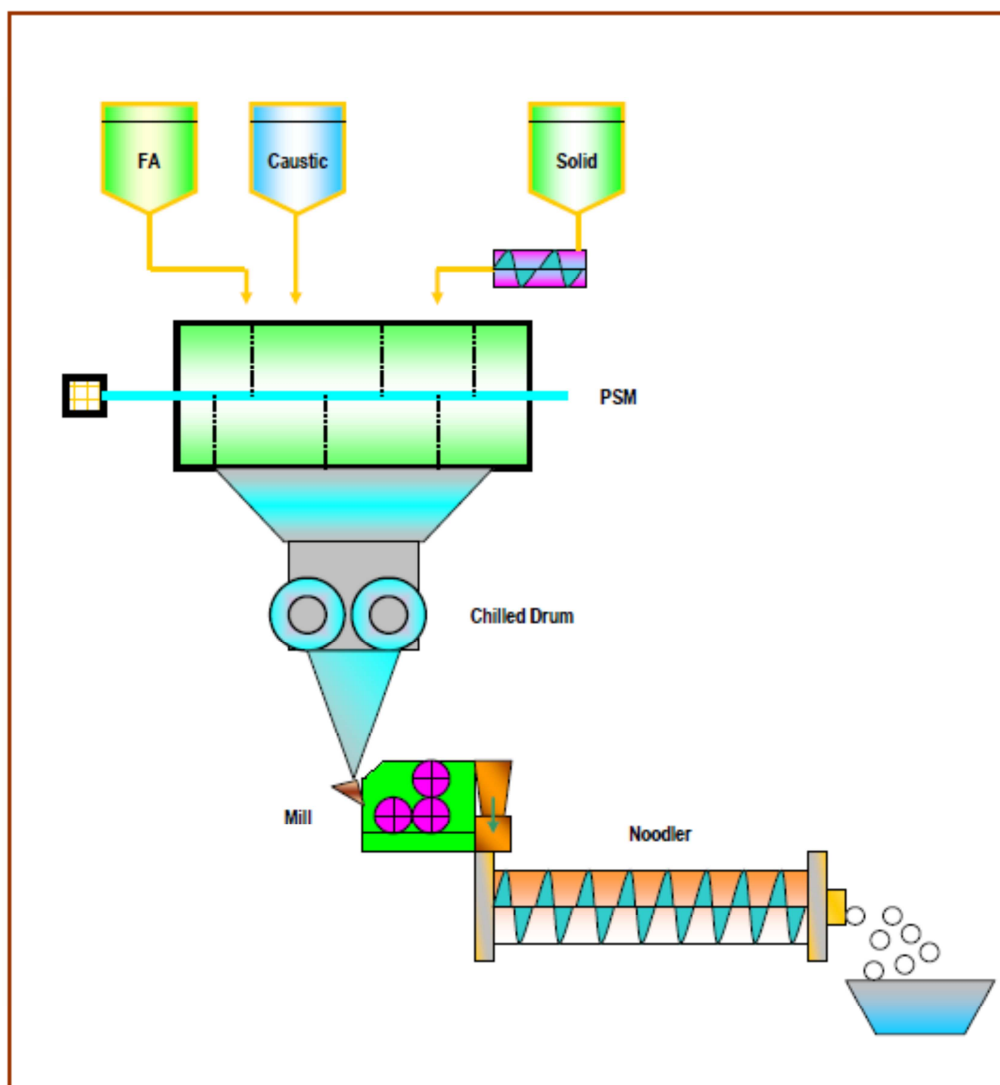
The plant locations are described below:

Plant Site	Region/State/Province	City/Town/District
Khamgaon	Maharashtra	Khamgaon, Buldhana
Goa	Goa	Kundain Industrial Area
Gandhidham	Gujarat	Gandhidham

**A.4. Technical description of the project**

&gt;&gt;

In the PSM technology, ploughshare mixer is the main component of the system wherein mixing, reaction and drying process takes place in the PSM vessel only. This is a batch type process in which DFA and alkali are introduced by gravity flow over a period of 8-10 minutes and mixing takes place after which, ethylene di-amine-tetra acetic acid (EDTA)/ ethane-1-hydroxy-1, 1-diphosphonate (EHDP) dosing takes place for 10 minutes. While using PSM technology, the temperature of the soap mass would be kept to 100 °C. After the mixing phase, the blower is switched on which supplies ambient air for cooling the soap mass and removes the moisture. The final product is received at 80-85°C with less than 15% moisture, as in the BLS- Mazzoni process. PSM technology eliminates steam consumption in process of soap noodles manufacturing, as project heat exchangers and flash vessels are not required by this new technology. The project activity increases electricity consumption in manufacturing soap noodles as required by the blower (in PSM technology), which has replaced flash vessel (for drying) in the BLS - Mazzoni technology. The flow diagram of PSM technology is given in Fig 1.2.



**A.5. Title, reference and version of the baseline and monitoring methodology applied to the project activity:**

>>

The indicative simplified baseline and monitoring methodology applicable to category II.C (Version 08, 23rd December 2006) has been used for the project including baseline calculations.

Main Category: Type II – Energy efficiency improvement projects

Sub Category: II.C Demand-side energy efficiency programmes for specific technology (Version 08), [www.unfccc.int](http://www.unfccc.int)

**A.6. Registration date of the project activity:**

>>

Date of Registration: 31/08/2007

CDM Reference Number: 1188

**A.7. Crediting period of the project activity and related information (start date and choice of crediting period):**



---

**CDM – Executive Board**

>>

Start Date of Crediting Period: 31/08/2007

Choice of crediting period: Fixed; 10 years

<b>A.8. Name of responsible person(s)/entity(ies):</b>
--

>>

Name of Person Responsible: Mr. Ram Bhadouria

Detailed contact address of the project participant is given in Annex III.

**SECTION B. Implementation of the project activity****B.1. Implementation status of the project activity**

&gt;&gt;

The project activity involves the implementation of the PSM technology in the existing plant of HUL at Khamgaon using BLS- Mazzoni process and also at HUL's new plants at Gandhidham and Goa. The project schedule can be tabulated as below:

Site	Project Start Date
Khamgaon	31/05/2001
Goa	02/01/2002
Gandhidham	13/05/2003

The summary of the shut down/overhaul times during the current monitoring period for the project activity are attached as Annex II.

There have been no events or situations during the monitoring period, which may impact the applicability of the methodology.

**B.2. Revision of the monitoring plan**

&gt;&gt;

There is no change in the monitoring plan of the project activity.

**B.3. Request for deviation applied to this monitoring period**

&gt;&gt;

No deviation has been applied for.

**B.4. Notification or request of approval of changes**

&gt;&gt;

Not applicable

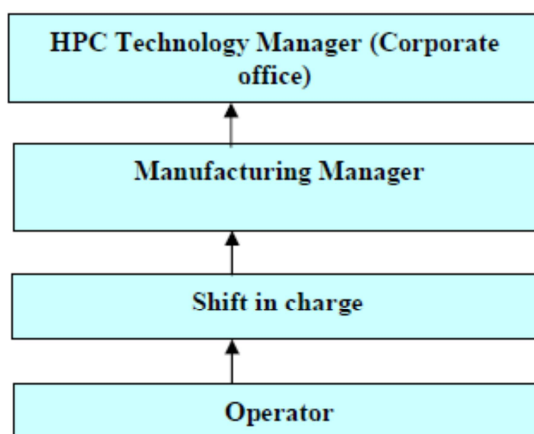
**SECTION C. Description of the monitoring system**

&gt;&gt;

Although most of the monitored parameters are required for the financial reports of the HUL such as the total power generated, total soap noodles produced etc, for adequate monitoring of emission reductions HUL proposes the following structure

Roles and responsibility:

1. HPC Technology Manager: The HPC technology manager is responsible for all the calculations in the different location and is the single point contact for the project.
2. Manufacturing Manager: Manufacturing manager checks all the data from difference sources and checks the emission reduction calculations.
3. Shift in change (Manufacturing and electrical officer): The manufacturing officer checks the data recorded by the operator in the individual section.
4. Operators: The responsibility of operator to record the data of the project activity represented in the monitoring table. Based on the monitoring frequency, the operator measures/records the data in the logbook.

**SECTION D. Data and parameters****D.1. Data and parameters determined at registration and not monitored during the monitoring period, including default values and factors**

<b>Data / Parameter:</b>	<b>Emission Factor</b>
Data unit:	tCO <sub>2</sub> /TJ
Description:	Emission factor of the fuel used for steam generation
Source of data used:	Table 2.2, page 2.16, 2006 IPCC default factor
Value(s) :	77.4
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	This data is used for the calculation of Baseline Emissions
Additional comment:	The value is constant for entire crediting period.



## CDM – Executive Board

<b>Data / Parameter:</b>	<b>Calorific value</b>
Data unit:	TJ/Gg
Description:	Calorific value of the fuel use
Source of data used:	Table 1.2, page 1.18, 2006 IPCC default factor
Value(s) :	40.4
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	This data is used for the calculation of Baseline Emissions
Additional comment:	The value is constant for entire crediting period.

<b>Data / Parameter:</b>	<b>Specific steam consumption in Soap noodle production (BLS Mazzoni)</b>
Data unit:	Ton steam/ton of soap noodles produced
Description:	Specific steam consumption in soap noodle production in BLS Mazzoni Process
Source of data used:	Khamgaon plant
Value(s) :	0.546
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	This data is used for the calculation of baseline emissions
Additional comment:	The value is constant for entire crediting period for all the plants.

<b>Data / Parameter:</b>	<b>Specific electricity consumption in Soap noodle production (BLS Mazzoni)</b>
Data unit:	kWh/ton of soap noodles produced
Description:	Specific steam consumption in soap noodles production in BLS Mazzoni Process
Source of data used:	Khamgaon plant
Value(s) :	47.91
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	This data is used for the calculation of baseline emissions
Additional comment:	The value is constant for entire crediting period for all the plants.

<b>Data / Parameter:</b>	<b>Emission factor for electricity from DG Set</b>
Data unit:	tCO <sub>2</sub> /MWh
Description:	Electricity emission factor from DG set
Source of data used:	Latest version of AMS I. C
Value(s) :	0.8
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	This data is used for the calculation of the Project emissions
Additional comment:	The value is constant for entire crediting period for Goa and Ghandidham DG sets.





## CDM – Executive Board

Data / Parameter:	Emission factor for NG based electricity source
Data unit:	tCO <sub>2</sub> /MWh
Description:	Electricity emission factor from gas based power generating set
Source of data used:	Central electricity authority
Value(s) :	0.44
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	This data is used for the calculation of the Project emissions
Additional comment:	The value is constant for entire crediting period for Goa plant's Reliance electricity source.

Data / Parameter:	Emission factor for western grid electricity
Data unit:	tCO <sub>2</sub> /MWh
Description:	Electricity emission factor for western grid emission factor
Source of data used:	Central electricity authority, <a href="http://www.cea.nic.in/planning/c%20and%20e/Government%20of%20India%20website.htm">http://www.cea.nic.in/planning/c%20and%20e/Government%20of%20India%20website.htm</a>
Value(s) :	0.895
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	This data is used for the calculation of the Project emissions
Additional comment:	The value is constant for entire crediting period.

**D.2. Data and parameters monitored**

Data / Parameter:	Quantity of soap noodle produced								
Data unit:	Tons								
Description:	Quantity of soap noodles produced in the plants								
Measured /Calculated /Default:	Measured								
Source of data:	Plant								
Value(s) of monitored parameter:	<table border="1"> <thead> <tr> <th>Plant</th><th>Value</th></tr> </thead> <tbody> <tr> <td>Gandhidham Plant</td><td>156706.20</td></tr> <tr> <td>Goa</td><td>136593.60</td></tr> <tr> <td>Khamgaon Plant</td><td>51548.40</td></tr> </tbody> </table>	Plant	Value	Gandhidham Plant	156706.20	Goa	136593.60	Khamgaon Plant	51548.40
Plant	Value								
Gandhidham Plant	156706.20								
Goa	136593.60								
Khamgaon Plant	51548.40								
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	This data is used to calculate the Baseline Emissions								
Monitoring equipment (type, accuracy class, serial number, calibration frequency, date of last calibration, validity)	Monitoring Equipment: Weigh Bridge Calibration: Annual Meter and calibration details are attached as Annex I								
Measuring/ Reading/ Recording frequency:	Data Type: Measured Frequency: Monthly consolidated annually Data archiving: Crediting period + 2 years								
Calculation method (if	The value will be monitored as per total productivity mechanism								

**CDM – Executive Board**

applicable):	(TPM) system.
QA/QC procedures applied:	Based on the weighted quantity of raw materials and the computerised process control, the output noodle is measured.

<b>Data / Parameter:</b>	<b>Quantity of electricity consumed</b>								
Data unit:	kWh								
Description:	Quantity of electricity consumed for soap noodle production from PSM process								
Measured /Calculated /Default:	Measured								
Source of data:	Plant								
Value(s) of monitored parameter:	<table border="1"> <thead> <tr> <th>Plant</th><th>Value</th></tr> </thead> <tbody> <tr> <td>Gandhidham Plant</td><td>4500783.51</td></tr> <tr> <td>Goa</td><td>3431688.01</td></tr> <tr> <td>Khamgaon Plant</td><td>3008798.00</td></tr> </tbody> </table>	Plant	Value	Gandhidham Plant	4500783.51	Goa	3431688.01	Khamgaon Plant	3008798.00
Plant	Value								
Gandhidham Plant	4500783.51								
Goa	3431688.01								
Khamgaon Plant	3008798.00								
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	This data is used to calculate Project Emissions								
Monitoring equipment (type, accuracy class, serial number, calibration frequency, date of last calibration, validity)	Monitoring Equipment: Electrical meter Calibration: Annual Meter and calibration details are attached as Annex I								
Measuring/ Reading/ Recording frequency:	Monitoring: Continuous from electrical meter Data Type: Measured Frequency: Monthly consolidated annually								
Calculation method (if applicable):	The value will be monitored as per total productivity mechanism (TPM) system.								
QA/QC procedures applied:	The different monitoring procedure is used for Ghandidham. Chiller power is monitored separately.								

<b>Data / Parameter:</b>	<b>Quantity of electricity used in chilling</b>								
Data unit:	kWh								
Description:	Quantity of electricity used for chilling in soap noodle production from PSM Process								
Measured /Calculated /Default:	Measured								
Source of data:	Plant								
Value(s) of monitored parameter:	<table border="1"> <thead> <tr> <th>Plant</th><th>Value</th></tr> </thead> <tbody> <tr> <td>Gandhidham Plant</td><td>5179003.79</td></tr> <tr> <td>Goa</td><td>3840331.93</td></tr> <tr> <td>Khamgaon Plant</td><td>781250.58</td></tr> </tbody> </table>	Plant	Value	Gandhidham Plant	5179003.79	Goa	3840331.93	Khamgaon Plant	781250.58
Plant	Value								
Gandhidham Plant	5179003.79								
Goa	3840331.93								
Khamgaon Plant	781250.58								
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	This data is used to calculate the Project Emissions								
Monitoring equipment (type,	Monitoring: Electrical meter								

**CDM – Executive Board**

accuracy class, serial number, calibration frequency, date of last calibration, validity)	Calibration: Annual Meter and calibration details are attached as Annex I
Measuring/ Reading/ Recording frequency:	Data Type: measured Frequency: Monthly consolidated annually Data archiving: Crediting period + 2 years
Calculation method (if applicable):	
QA/QC procedures applied:	The value will be monitored as per total productivity mechanism (TPM) system.

<b>Data / Parameter:</b>	<b>Percentage of electricity imported /generated from different electricity sources</b>								
Data unit:	%								
Description:	Quantity of electricity imported/generated in the Plant								
Measured /Calculated /Default:	Measured								
Source of data:	Plant								
Value(s) of monitored parameter:	<table border="1"> <thead> <tr> <th>Plant</th><th>Value</th></tr> </thead> <tbody> <tr> <td>Gandhidham Plant</td><td>55.35%</td></tr> <tr> <td>Goa</td><td>99.39%</td></tr> <tr> <td>Khamgaon Plant</td><td>100%</td></tr> </tbody> </table>	Plant	Value	Gandhidham Plant	55.35%	Goa	99.39%	Khamgaon Plant	100%
Plant	Value								
Gandhidham Plant	55.35%								
Goa	99.39%								
Khamgaon Plant	100%								
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	This data is used to calculate the Baseline & Project Emissions								
Monitoring equipment (type, accuracy class, serial number, calibration frequency, date of last calibration, validity)	Equipment: Electrical Meter Calibration: Annual Meter and calibration details are attached as Annex I								
Measuring/ Reading/ Recording frequency:	Monitoring: Continuous from electrical meter Data Type: Measured Frequency: Monthly consolidated annually Data archiving: Crediting period + 2 years								
Calculation method (if applicable):									
QA/QC procedures applied:	The value will be monitored as per total productivity mechanism (TPM) system. The percentage will be calculated for every year based on the actual import/generation								

<b>Data / Parameter:</b>	<b>Steam production per ton of oil</b>
Data unit:	Ton steam/ton of oil
Description:	Quantity of steam produced per ton of oil
Measured /Calculated /Default:	Measured & Calculated
Source of data:	Plant
Value(s) of monitored	



## CDM – Executive Board

parameter:	Plant	Value
	Gandhidham Plant	12.99 (FO), 4.07 (Coal)
	Goa	14.78
	Khamgaon Plant	12.86(FO), 5.19 (Coal)
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	This data is used to calculate the Baseline and Project Emissions	
Monitoring equipment (type, accuracy class, serial number, calibration frequency, date of last calibration, validity)	Monitoring Equipment: Electrical Meter Calibration: Annual Meter and calibration details are attached as Annex I	
Measuring/ Reading/ Recording frequency:	Data Type: Measured Monitoring: Continuous Frequency: Monthly consolidated annually Data archiving: Crediting period + 2 years	
Calculation method (if applicable):		
QA/QC procedures applied:	The value will be monitored as per total productivity mechanism (TPM) system.	

**SECTION E. Emission reductions calculation****E.1. Baseline emissions calculation**

&gt;&gt;

As per the registered PDD, the baseline emissions have been calculated as per the following formulae,

**Baseline emissions****1. Total baseline emissions:**

$$BE = CEF_{\text{baseline}} \times P_s$$

BE = Baseline emissions in tCO<sub>2</sub>

CEF<sub>baseline</sub> = Baseline carbon emission factor for producing soap noodles in tCO<sub>2</sub>/ton

P<sub>s</sub> = Annual soap noodles production in tons

**2. Baseline carbon emission factor:**

$$CEF_{\text{baseline}} = CEF_{\text{electricalbase}} + CEF_{\text{steambase}}$$

CEF<sub>electricalbase</sub> = Carbon emission factor related to specific electrical energy consumption in production of soap noodles in the baseline (tCO<sub>2</sub>/ton)

CEF<sub>steambase</sub> = Carbon emission factor related to specific steam consumption for producing soap noodles in tCO<sub>2</sub>/ton

**3. Carbon emission factor related to specific electrical energy consumption**

$$CEF_{\text{Electrical}} = SEEC_{\text{Grid}} \times EF_{\text{Grid}} + SEEC_{\text{captive-power}} \times EF_{\text{fuel used for captive power}} + SEEC_{\text{Othersources}} \times EF_{\text{Other sources}}$$

**CDM – Executive Board**

SEEC<sub>Grid</sub> = Specific electrical energy consumption for soap noodles production (grid based power) in kWh/ton soap noodles

EF<sub>Grid</sub> - Emission factor of grid mix9 for the base year in tCO<sub>2</sub>/ kWh (In project scenario)

SEEC<sub>captive-power</sub> = Specific electrical energy consumption for soap noodles production in kWh /ton soap noodles generated from captive power plant

EF<sub>fuel used for captive power</sub> - Emission factor of fuel10 tCO<sub>2</sub>/ kWh (In project scenario)

SEEC<sub>Other sources</sub> = Specific electrical energy consumption for soap noodles production in kWh /ton soap noodles produced by any other source

EF<sub>fuel used for captive power</sub> - Emission factor of fuel tCO<sub>2</sub>/ kWh (In project scenario)

**4. Grid emission factor:** The published data from central electricity authority will be considered.

**5. Estimation of electricity consumed from the electricity used:**

$$E1_b = P1_b \times H1_b$$

E1<sub>b</sub> = Electricity used by equipment before project activity

P1<sub>b</sub> = Name plate data for power required to equipment before project activity

H1<sub>b</sub> = Total running hours before project activity

**6. Carbon emission factor related to specific steam consumption**

$$CEF_{\text{steam}} = SSC \times EF_{\text{Steam}}$$

SSC = specific steam consumption per ton of soap noodles

$$EF_{\text{steam}} = SFC \times EF_{\text{fuel}}$$

SFC = specific fuel consumption per ton of steam for BLS Mazzoni process (prior to project activity)

EF<sub>fuel</sub> = Emission factor of fuel (based on IPCC default emission factors in the project scenario)

<b>E.2. Project emissions calculation</b>
---

>>>

As per the registered PDD, the project emissions have been calculated as per the following formulae,

**1. Total project emissions:**

$$PE = CEF_{\text{Project}} \times P_s$$

PE= Project emissions

CEF<sub>Project</sub>= Carbon emission factor for project activity per ton of soap noodles (in tCO<sub>2</sub>/ton)

P<sub>s</sub> = Annual soap noodles production in tons

$$CEF_{\text{Project}} = CEF_{\text{electrical}}$$

CEF<sub>electrical</sub>= Carbon emission factor related to specific electrical energy consumption per ton of noodles produced (in tCO<sub>2</sub>/ton)

**2. Carbon emission factor related to specific electrical energy consumption**

$$CEF_{\text{Electrical}} = SEEC_{\text{Grid}} \times EF_{\text{Grid}} + SEEC_{\text{-captive-power}} \times EF_{\text{fuel used for captive power}} + SEEC_{\text{Other sources}} \times EF_{\text{Other sources}}$$

SEEC<sub>Grid</sub> = Specific electrical energy consumption for soap noodles production (grid based power) in kWh/ton soap noodles

**CDM – Executive Board**

$EF_{Grid}$  - Emission factor of grid mix<sup>7</sup> for the base year in tCO<sub>2</sub>/ kWh

$SEEC_{captive-power}$  = Specific electrical energy consumption for soap noodles production in kWh /ton soap noodles generated from captive power plant

$EF_{fuel}$  used for captive power - Emission factor of fuel<sup>8</sup> tCO<sub>2</sub>/ kWh

$SEEC_{Other sources}$  = Specific electrical energy consumption for soap noodles production in kWh /ton soap noodles produced by any other source

$EF_{fuel}$  used for captive power - Emission factor of fuel tCO<sub>2</sub>/ kWh

**3. Estimation of electricity consumed:**

$$E1 = P1 \times H1$$

E1 = Electricity used by equipment in kW

P1 = Name plate data for power required to equipment kWh

H1 = Total running hours

**E.3. Leakage calculation**

>>

As per the registered PDD, there are no leakage emissions expected from the project activities.

**E.4. Emission reductions calculation / table**

>>

**Emission reduction:**

$$ER = BE - PE$$

Where,

ER - CO<sub>2</sub> Emission reduction per annum by project activity (tons/year)

BE - Baseline Emission reduction per annum (tons/year)

PE - Net emission by project activity (tons/year)

The Emission Reductions have been calculated as per the above method, the results for the current monitoring period can be tabulated as below:

**Gandhidham Plant:**

Year	Noodle Production (Tons)	PSM Electricity Consumption (kWh)	Electricity consumption for Chilling (kWh)	% Electricity from Grid	Steam to fuel Ratio		Baseline Emissions tCO <sub>2</sub>	Project Emissions tCO <sub>2</sub>	Emission Reductions tCO <sub>2</sub>
					FO	Coal			
2007	16101.80	302083.00	626404.00	52.43	13.73	4.03	4271.31	789.04	3482
2008	41080.00	1108818.00	1289672.00	55.10	13.99	4.26	10489.41	2044.35	8445
2009	43560.80	1271768.60	1309288.00	54.29	12.74	4.10	10781.34	2197.96	8583
2010	40882.90	1326618.91	1480784.79	58.13	12.49	4.00	10798.72	2400.97	8397
2011	15080.70	491495.00	472855.00	53.52	13.07	3.70	4374.03	820.51	3553
Total	156706.20	4500783.51	5179003.79	55.35	12.99	4.07	40714.80	8252.83	32461

**Goa Plant:**



## CDM – Executive Board

Year	Noodle Production (Tons)	PSM Electricity Consumption (kWh)	Electricity consumption for Chilling (kWh)	% Electricity from Grid	Steam to fuel Ratio	Baseline Emissions tCO <sub>2</sub>	Project Emissions tCO <sub>2</sub>	Emission Reductions tCO <sub>2</sub>
2007	16197.60	357405.33	442551.67	99.33%	15.13	2170.69	353.90	1816.00
2008	39538.80	886791.70	1193726.20	98.96%	14.37	5537.68	923.24	4614.00
2009	35505.60	997221.73	1164708.85	99.62%	14.06	5061.42	954.22	4107.00
2010	33510.00	868775.32	869882.96	99.57%	15.80	4330.70	767.68	3563.00
2011	11841.60	321493.93	169462.25	99.56%	15.22	1578.80	216.80	1361.00
Total	136593.60	3431688.01	3840331.93	99.39%	14.78	18679.29	3215.84	15461.00

## Khamgaon Plant:

Year	Noodle Production (Tons)	PSM Electricity Consumption (kWh)	Electricity consumption for Chilling (kWh)	% Electricity from Grid	Steam to fuel Ratio (FO)		Baseline Emissions tCO <sub>2</sub>	Project Emissions tCO <sub>2</sub>	Emission Reductions tCO <sub>2</sub>
					FO	Coal			
2007	6072.00	304066.00	95123.58	100%	12.69	5.51	1338.01	357.27	980
2008	22045.00	974727.00	342450.00	100%	12.61	4.67	5241.90	1178.87	4063
2009	12676.40	644458.00	183711.70	100%	13.05	5.52	2565.02	741.21	1823
2010	6421.00	660323.00	93322.20	100%	12.96	4.93	1219.13	674.51	544
2011	4334.00	425224.00	66643.10	100%	12.97	7.70	748.62	440.22	308
Total	51548.40	3008798	781250.80	100%	12.86	5.67	11112.69	3392.09	7718

Total Emission reductions during the monitoring period from 31/08/2007 to 31/05/2011 for all the three sites are 55,640 tCO<sub>2</sub>.

## E.5. Comparison of actual emission reductions with estimates in the CDM-PDD

&gt;&gt;

Item	Values applied in ex-ante calculation of the registered CDM-PDD	Actual values reached during the monitoring period
Emission reductions (tCO <sub>2</sub> e)	55,095	55,640

## E.6. Remarks on difference from estimated value in the PDD

&gt;&gt;&gt;

As per the registered PDD, the emission reductions estimated were 14,692 tCO<sub>2</sub>e/ annum. During the current monitoring period (31/08/2007 to 31/05/2011) of 3 years and 9 months, the emission reduction as per the ex-ante calculations is 55,095 tCO<sub>2</sub>e. The actual emissions reduction achieved in this period is 54,640 tCO<sub>2</sub>e, which is almost equal to the ex-ante estimations.

-----

## History of the document

Version	Date	Nature of revision
---------	------	--------------------



---

**CDM – Executive Board**

01	EB 54, Annex 34 28 May 2010	Initial adoption.
<b>Decision Class:</b> Regulatory <b>Document Type:</b> Guideline, Form <b>Business Function:</b> Issuance		



Annex I**METER DETAILS****Gandhidham**

Area	Make		Accuracy	Serial Numbers	2007	2008	2009	2010	2011	Any remarks (Meter fault, Replacement, etc.)
PSM -.01	Make-	Conzerv	0.01%	65529/84000-4905	27/08/2007	25/06/2008	27/05/2009	05/08/2010	29/06/2011	Nil
	CT Make	BPCT								
	CRT	600/5								
PSM -.02	Make-	Conzerv	0.01%	85529/83999-4905	27/08/2007	25/06/2008	27/05/2009	05/08/2010	29/06/2011	Nil
	CT Make	BPCT								
	CRT	600/5								
PSM -.03	Make-	Conzerv	0.01%	85528/83989-4905	27/08/2007	25/06/2008	27/05/2009	05/08/2010	29/06/2011	Nil
	CT Make	BPCT								
	CRT	600/5								
PSM -.04	Make-	Conzerv	0.01%	106896/4777-4106	14/11/2007	25/06/2008	27/05/2009	05/08/2010	29/06/2011	Nil
	CT Make	Kappa								
	CRT	600/5								
CHILLER A&B SIDE	Make-	Conzerv	0.01%	106896/4778-4106	29/08/2007	25/06/2008	27/05/2009	05/08/2010	29/06/2011	Nil
	CT Make	krishana								
	CRT	600/5								
CHILLER A&A SIDE	Make-	Enercon	0.01%	F40/31751-0302	29/08/2007	25/06/2008	27/05/2009	05/08/2010	29/06/2011	Nil
	CT Make	Kappa								
	CRT	250/5								
CHILLER C&A SIDE	Make-	Enercon	0.01%	F40/31752-0301	29/08/2007	25/06/2008	27/05/2009	05/08/2010	29/06/2011	Nil



## CDM – Executive Board

	CT Make	Kappa								
	CRT	250/5								
CHILLER C&B SIDE	Make-	Enercon	0.01%	F40/31753-0301	29/08/2007	25/06/2008	27/05/2009	05/08/2010	29/06/2011	Nil
	CT Make	Kappa								
	CRT	400/5								
CHILLER A&B SIDE	Make-	Enercon	0.01%	F40/31747	29/08/2007	25/06/2008	27/05/2009	05/08/2010	29/06/2011	Nil
	CT Make	Kappa								
	CRT	400/5								
Boiler Feed Water Meter		Sensus	0.10%	27900719	10/5/2007	21/08/2008	11/5/2009	15/05/10	12/05/2011	Nil
Boiler FO Storage tank 919A		RK Dutt	0.50%	LT91001A	10/5/2007	21/08/2008	11/5/2009	15/05/10	12/05/2011	Nil
Boiler FO Storage tank 919B		RK Dutt	0.50%	LT91001B	10/5/2007	21/08/2008	11/5/2009	15/05/10	12/05/2011	Nil
HP Boiler FO Day tank		RK Dutt	0.50%	-	10/5/2007	21/08/2008	11/5/2009	15/05/10	12/05/2011	Nil
MP Boiler FO Day tank		RK Dutt	0.50%	-	10/5/2007	21/08/2008	11/5/2009	15/05/10	12/05/2011	Nil
2.5MW FO Storage tank A		RK Dutt	0.50%	LT9090 A	10/5/2007	21/08/2008	11/5/2009	15/05/10	12/05/2011	Nil
2.5MW FO Storage tank B		RK Dutt	0.50%	LT9090 B	10/5/2007	21/08/2008	11/5/2009	15/05/10	12/05/2011	Nil
2.5MW FO Sludge tank		RK Dutt	0.50%	-	10/5/2007	21/08/2008	11/5/2009	15/05/10	12/05/2011	Nil
Raw Oil storage tank T 801		Milltronic		22500111	10/5/2007	21/08/2008	11/5/2009	15/05/10	12/05/2011	Nil
Raw Oil storage tank T 802		Milltronic		26800792	10/5/2007	21/08/2008	11/5/2009	15/05/10	12/05/2011	Nil
Raw Oil storage tank T 803		Milltronic		27900119	10/5/2007	21/08/2008	11/5/2009	15/05/10	12/05/2011	Nil
DFA Day tank T		Milltronic		27900716	10/5/2007	21/08/2008	11/5/2009	15/05/10	12/05/2011	Nil



## CDM – Executive Board

206A										
DFA Day tank T 206B		Milltronic		27900718	10/5/2007	21/08/2008	11/5/2009	15/05/10	12/05/2011	Nil
DFA Day tank T 207A		Milltronic		27900708	10/5/2007	21/08/2008	11/5/2009	15/05/10	12/05/2011	Nil
DFA Day tank T 207B		Milltronic		27900705	10/5/2007	21/08/2008	11/5/2009	15/05/10	12/05/2011	Nil
PSM 1 Weigh scale 500kg		Nova weigh ltd		V1 401	30/04/2007	29/04/2008	30/04/2009	01/05/2010	02/05/2011	Nil
PSM 1 Weigh scale 5kg		Nova weigh ltd		V1 402	30/04/2007	29/04/2008	30/04/2009	01/05/2010	02/05/2011	Nil
PSM 1 Weigh scale 5kg		Nova weigh ltd		V1 403	30/04/2007	29/04/2008	30/04/2009	01/05/2010	02/05/2011	Nil
PSM 1 Weigh scale 1000kg		Nova weigh ltd		V1 404	30/04/2007	29/04/2008	30/04/2009	01/05/2010	02/05/2011	Nil
PSM 2 Weigh scale 500kg		Nova weigh ltd		V2 401	30/04/2007	29/04/2008	30/04/2009	01/05/2010	02/05/2011	Nil
PSM 2 Weigh scale 5kg		Nova weigh ltd		V2 402	30/04/2007	29/04/2008	30/04/2009	01/05/2010	02/05/2011	Nil
PSM 2 Weigh scale 5kg		Nova weigh ltd		V2 403	30/04/2007	29/04/2008	30/04/2009	01/05/2010	02/05/2011	Nil
PSM 2 Weigh scale 1000kg		Nova weigh ltd		V2 404	30/04/2007	29/04/2008	30/04/2009	01/05/2010	02/05/2011	Nil
PSM 3 Weigh scale 500kg		Nova weigh ltd		V3 401	30/04/2007	29/04/2008	30/04/2009	01/05/2010	02/05/2011	Nil
PSM 3 Weigh scale 5kg		Nova weigh ltd		V3 402	30/04/2007	29/04/2008	30/04/2009	01/05/2010	02/05/2011	Nil
PSM 3 Weigh scale 5kg		Nova weigh ltd		V3 403	30/04/2007	29/04/2008	30/04/2009	01/05/2010	02/05/2011	Nil
PSM 3 Weigh scale 1000kg		Nova weigh ltd		V3 404	30/04/2007	29/04/2008	30/04/2009	01/05/2010	02/05/2011	Nil
PSM 4 Weigh scale 500kg		Nova weigh ltd		V4 401	30/04/2007	29/04/2008	30/04/2009	01/05/2010	02/05/2011	Nil



---

**CDM – Executive Board**

PSM 4 Weigh scale 5kg		Nova weigh ltd		V4 402	30/04/2007	29/04/2008	30/04/2009	01/05/2010	02/05/2011	Nil
PSM 4 Weigh scale 5kg		Nova weigh ltd		V4 403	30/04/2007	29/04/2008	30/04/2009	01/05/2010	02/05/2011	Nil
PSM 4 Weigh scale 1000kg		Nova weigh ltd		V4 404	30/04/2007	29/04/2008	30/04/2009	01/05/2010	02/05/2011	Nil



## CDM – Executive Board

## Goa Site

	Meter Number	Make	Accuracy	Date of calibration					Any remarks
				2007	2008	2009	2010	2011	(Meter fault, replacement etc)
<b>PSM Weighing Instruments</b>									
PSM 1	WIC 40203	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 1	WIC 40102	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 1	WIC 40103	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 1	WIC 40101	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 1	WIC 40301	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 2	WIC 40601	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 2	WIC 40701	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 2	WIC 40501	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 2	WIC 40603	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 2	WIC 40502	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 2	WIC 40503	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 3	WIC 41101	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 3	WIC 41001	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 3	WIC 40901	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 3	WIC 41003	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 3	WIC 40902	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 3	WIC 40903	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 3	WIC 41002	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 4	WIC 41401	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 4	WIC 41501	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 4	WIC 41301	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 4	WIC 41403	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 4	WIC 41303	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 4	WIC 41402	Novaweigh	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
PSM 1	65011320000	Endress & Houser	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	



## CDM – Executive Board

PSM1	65011220000	Endress & Houser	0.10%	26/07/2007	29/07/2008	29/07/2009	05/08/2010	04/08/2011	
<b>EnergyMeters</b>									
PSM 1	127525/24285-007	Conzerv	Class 1.0	25/07/2007	23/07/2008	22/07/2009	20/07/2010	NA	Meters replaced on 2nd Sept.2011 aid Holiday
PSM 2	127525/24293-007	Conzerv	Class 1.0	25/07/2007	23/07/2008	22/07/2009	20/07/2010	NA	Meters replaced on 2nd Sept.2011 aid Holiday
PSM 3	127525/24310-007	Conzerv	Class 1.0	25/07/2007	23/07/2008	22/07/2009	20/07/2010	NA	Meters replaced on 2nd Sept.2011 aid Holiday
PSM 4	127525/24304-007	Conzerv	Class 1.0	25/07/2007	23/07/2008	22/07/2009	20/07/2010	NA	Meters replaced on 2nd Sept.2011 aid Holiday
PSM 1	188191/3923-409	Conzerv	Class 1.0	NA	NA	NA	NA	08/08/2011	Meters replaced on 2nd Sept.2011 aid Holiday
PSM 2	1772007/7459-009	Conzerv	Class 1.0	NA	NA	NA	NA	08/08/2011	Meters replaced on 2nd Sept.2011 aid Holiday
PSM 3	182235/1554-109	Conzerv	Class 1.0	NA	NA	NA	NA	08/08/2011	Meters replaced on 2nd Sept.2011 aid Holiday
PSM 4	168471/1087-109	Conzerv	Class 1.0	NA	NA	NA	NA	08/08/2011	Meters replaced on 2nd Sept.2011 aid Holiday
Water Chiller A	127525/24312-007	Conzerv	Class 1.0	25/07/2007	23/07/2008	22/7/2009	20/07/2010	NA	Replaced with new chiller
Water Chiller B	127525/24303-007	Conzerv	Class 1.0	25/07/2007	23/07/2008	22/7/2009	20/07/2010	NA	Replaced with new chiller
Water Chiller C	127525/24313-007	Conzerv	Class 1.0	25/07/2007	23/07/2008	22/7/2009	20/07/2010	NA	Replaced with new chiller
New Chiller	198140/16354-910	Conzerv	Class 1.0	NA	NA	NA	20/07/2010		Meter replaced on 25th August 2010
<b>Steam lowmeters</b>									
ETP/PSM tank rm 905	010259	Krohne Marshall	0.50%	11/02/2007	09/02/2008	05/02/2009	17/02/2010	20/01/2011	
MTF 902	040177	Krohne Marshall	0.50%	11/02/2007	09/02/2008	05/02/2009	17/02/2010	20/01/2011	
DFA Main	071388	Krohne	0.50%	11/02/2007	09/02/2008	05/02/2009	17/02/2010	20/01/2011	



---

**CDM – Executive Board**

Flow meter 904		Marshall							
Distillation 01	020460	Krohne Marshall	0.50%	11/02/2007	09/02/2008	05/02/2009	17/02/2010	20/01/2011	
Sweet waterPlant 900	020461	Krohne Marshall	0.50%	11/02/2007	09/02/2008	05/02/2009	17/02/2010	20/01/2011	



## CDM – Executive Board

## Khamgaon Site

	PSM 1 related Meter Number	Make	Accuracy	Serial No	Date of calibration					Any remarks (Meter fault, replacement etc)
					2007	2008	2009	2010	2011	
PSM Meters	Weight Hopper A	NOVA WEIGH	.+/- 0.3kg	WC-A/PSM1	12.07.2007	12.01.2008	15.06.2009	10.07.2010	13.07.2011	
	Weight Hopper B	NOVA WEIGH	.+/- 0.3kg	WC-B/PSM1	12.07.2007	12.01.2008	22.06.2009	10.07.2010	13.07.2011	
	Weight Hopper C	NOVA WEIGH	.+/- 0.3kg	WC-C/PSM1	12.07.2007	12.01.2008	15.06.2009	10.07.2010	13.07.2011	
	Weight Hopper D	NOVA WEIGH	.+/- 0.3kg	WC-D/PSM1	12.07.2007	12.01.2008	15.06.2009	10.07.2010	13.07.2011	calibration was not proper . Load cell cell was locked, set load cell and done calibration
	Weight Hopper E	NOVA WEIGH	.+/- 0.3kg	WC-E/PSM1	12.07.2007	8.01.2008	15.06.2009	10.07.2010	13.07.2011	
	Weight Hopper F	NOVA WEIGH	.+/- 0.3kg	WC-F/PSM1	12.07.2007	8.01.2008	15.06.2009	10.07.2010	13.07.2011	
Electricity meters	PSM 1 Main meter	Conzerv	Class 1	F40/16763-0900	07.06.2007	10.06.2008	11.06.2009	31.07.2010	Sep-11	
	Mixer 3 meter	Conzerv	Class 1	115618/114892- 0707	09.06.2007	15.06.2007	11.06.2009	31.07.2010	Sep-11	
	Factory Meter	L & T	Class 0.5 s	5306600174	22.12.2007	17.09.2008	11.12.2009	30.12.2010	14.09.2011	
Steam flow meters	Main Steam FM									
	OIL FIRED BOILER	Rousemount	.+/- 0.075% of FSV			24.12.2008	10.12.2009	24.12.2010	Due on Dec	
	FBC BOILER	Rousemount	.+/- 0.075% of FSV			24.12.2008	09.12.2009	24.12.2010	Due on Dec	
	Master Calibrator									
	Compact pressure Calibrator	NAGMAN	.+/- 0.15			Newly Purchased	16.11.2009	27.08.2010	SENT FOR CALIBRATION	





UNFCCC/CCNUCC



---

**CDM – Executive Board**

	Multifunction Calibrator	YOKOGAWA			13.09.2008	08.06.2009	27.08.2010	SENT FOR CALIBRATION	
--	-----------------------------	----------	--	--	------------	------------	------------	-------------------------	--

**Annex II****PLANT SHUTDOWN DETAILS****Goa**

15-Sep-07	0	Ganesh chaturthii PH	0	Ganesh chaturthii PH	0	Ganesh chaturthii PH	0	Ganesh chaturthii PH
16-Sep-07	0	Ganesh chaturthii PH	0	Ganesh chaturthii PH	0	Ganesh chaturthii PH	0	Ganesh chaturthii PH
31-Oct-07	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
8-Nov-07	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
3-Dec-07	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
12-Dec-07	0	Low Plan	0	Low Plan	38.4		1.2	
13-Dec-07	0	Low Plan	0	Low Plan	14.4		33.6	
14-Dec-07	7.2		0	Low Plan	40.8		0	Low Plan
15-Dec-07	32.4		20.4		24		0	Low Plan
18-Dec-07	13.2		4.8		26.4		0	machine breakdown
25-Dec-07	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
26-Dec-07	42		0	Low Plan	3.6		7.2	
27-Dec-07	34.8		0	Low Plan	14.4		1.2	
28-Dec-07	26.4		20.4		28.8		0	machine breakdown
30-Dec-07	0	Low Plan	30		39.6		39.6	
31-Dec-07	0	Low Plan	0	Machine Breakdown	6	Low Plan	6	Low Plan
1-Jan-08	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
2-Jan-08	0	Low Plan	0	Low Plan	8.4		12	
26-Jan-08	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
23-Feb-08	16.8		0	Machine Breakdown	0	Low Plan	15.6	
26-Feb-08	0	Low Plan	15.6		14.4		0	Low Plan
20-Mar-08	2.4		0	Machine Breakdown	26.4		24	



## CDM – Executive Board

22-Mar-08	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
23-Mar-08	1.2		0	Machine Breakdown	31.2		31.2	
24-Mar-08	24		0	Machine Breakdown	34.8		19.2	
24-Apr-08	0	Plant ShutDown	0	Plant ShutDown	0	Plant ShutDown	0	Plant ShutDown
25-Apr-08	0	Plant ShutDown	0	Plant ShutDown	0	Plant ShutDown	0	Plant ShutDown
26-Apr-08	0	Plant ShutDown	0	Plant ShutDown	0	Plant ShutDown	0	Plant ShutDown
27-Apr-08	0	Plant ShutDown	0	Plant ShutDown	0	Plant ShutDown	0	Plant ShutDown
28-Apr-08	0	Plant ShutDown	0	Plant ShutDown	0	Plant ShutDown	0	Plant ShutDown
29-Apr-08	0	Plant ShutDown	0	Plant ShutDown	0	Plant ShutDown	0	Plant ShutDown
30-Apr-08	0	Plant ShutDown	0	Plant ShutDown	0	Plant ShutDown	0	Plant ShutDown
1-May-08	0	Plant ShutDown	0	Plant ShutDown	0	Plant ShutDown	0	Plant ShutDown
2-May-08	0	Plant ShutDown	0	Plant ShutDown	0	Plant ShutDown	0	Plant ShutDown
3-May-08	0	Plant ShutDown	0	Plant ShutDown	0	Plant ShutDown	0	Plant ShutDown
4-May-08	0	Plant ShutDown	0	Plant ShutDown	0	Plant ShutDown	0	Plant ShutDown
1-Jul-08	15.6		25.2		22.8		0	machine breakdown
26-Jul-08	0	Machine Breakdown	39.6		36		33.6	
15-Aug-08	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
25-Aug-08	20.4		0	Machine Breakdown	2.4		13.2	
26-Aug-08	0	No Plan	0	No Plan	0	No Plan	0	No Plan
27-Aug-08	0	No Plan	0	No Plan	0	No Plan	0	No Plan
28-Aug-08	0	No Plan	0	No Plan	0	No Plan	0	No Plan
3-Sep-08	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
4-Sep-08	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
11-Oct-08	25.2		6		0	machine breakdown	26.4	
17-Oct-08	0	Machine Breakdown	38.4		31.2		36	
24-Oct-08	26.4		39.6		22.8		0	machine breakdown
27-Oct-08	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
28-Oct-08	13.2		12		0	Machine Shutdown	0	Low Plan



## CDM – Executive Board

30-Oct-08	0	Low Plan	0	Low Plan	6		9.6	
31-Oct-08	9.6		9.6		0	Machine Shutdown	0	Low Plan
2-Nov-08	0	Machine Breakdown	19.2		19.2		0	machine breakdown
8-Nov-08	0	Machine Breakdown	37.2		38.4		21.6	
24-Nov-08	0	No Plan	0	No Plan	0	No Plan	0	No Plan
25-Nov-08	0	No Plan	0	No Plan	0	No Plan	0	No Plan
26-Nov-08	0	No Plan	0	No Plan	0	No Plan	0	No Plan
27-Nov-08	0	No Plan	0	No Plan	0	No Plan	0	No Plan
3-Dec-08	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
4-Dec-08	15.6		2.4		4.8		0	Low Plan
5-Dec-08	9.6		10.8		0	machine breakdown	0	Low Plan
8-Dec-08	36		36		33.6		0	Low Plan
9-Dec-08	37.2		40.8		26.4		0	Low Plan
11-Dec-08	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
12-Dec-08	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
13-Dec-08	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
14-Dec-08	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
15-Dec-08	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
16-Dec-08	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
17-Dec-08	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
18-Dec-08	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
19-Dec-08	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
20-Dec-08	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
21-Dec-08	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
22-Dec-08	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
23-Dec-08	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
24-Dec-08	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
25-Dec-08	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown



## CDM – Executive Board

26-Dec-08	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
27-Dec-08	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
28-Dec-08	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
29-Dec-08	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
30-Dec-08	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
31-Dec-08	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
1-Jan-09	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
2-Jan-09	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
3-Jan-09	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
4-Jan-09	13.2		15.6		1.2		0	
5-Jan-09	0	Low Plan	26.4		37.2		6	
6-Jan-09	0	Low Plan	32.4		40.8		28.8	
15-Jan-09	0	Low Plan	43.2		40.8		26.4	
16-Jan-09	0	Low Plan	44.4		40.8		33.6	
26-Jan-09	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
30-Jan-09	0	Machine Breakdown	42		42		38.4	
3-Mar-09	39.6		0	Low Plan	39.6		39.6	
6-Mar-09	0	Maintenance	22.8		12		15.6	
7-Mar-09	0	Maintenance	1.2		1.2		1.2	
8-Mar-09	0	Maintenance	34.8		26.4		22.8	
9-Mar-09	0	Maintenance	25.2		19.2		12	
10-Mar-09	0	Plant Shutdown	31.2		33.6		28.8	
11-Mar-09	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
12-Mar-09	0	Maintenance	0	Plant Shutdown	28.8		31.2	
13-Mar-09	0	Maintenance	0	Plant Shutdown	25.2		34.8	
22-Mar-09	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
23-Mar-09	2.4	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
25-Mar-09	28.8		28.8		0	machine breakdown	0	machine breakdown



## CDM – Executive Board

23-Apr-09	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
24-Apr-09	30	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
26-Apr-09	0	Maintenance	16.8		0	Low Plan	0	Low Plan
27-Apr-09	12	Low Plan	0	Low Plan	0	Low Plan	0	Low Plan
1-May-09	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
13-May-09	25.2		34.8		18		0	machine breakdown
19-May-09	0	Maintenance	37.2		38.4		30	
26-May-09	33.6		0	Machine Breakdown	26.4		10.8	
31-May-09	0	Maintenance	33.6		33.6		1.2	
1-Jun-09	9.6		36		36		0	machine breakdown
12-Jun-09	0	Maintenance	38.4		26.4		33.6	
13-Jun-09	0	Maintenance	18		26.4		27.6	
14-Jun-09	0	Maintenance	7.2		0	Low Plan	38.4	
15-Jun-09	0	Maintenance	2.4		16.8		8.4	
16-Jun-09	0	Maintenance	33.6		13.2		0	machine breakdown
17-Jun-09	0	Maintenance	34.8		32.4		24	
18-Jun-09	0	Maintenance	38.4		32.4		34.8	
19-Jun-09	0	Maintenance	36		28.8		34.8	
20-Jun-09	0	Maintenance	39.6		37.2		37.2	
21-Jun-09	0	Maintenance	25.2		25.2		13.2	
26-Jun-09	0	Low Plan	0	Low Plan	0	Low Plan	0	Low Plan
2-Jul-09	24		25.2		0	Low Plan	30	
3-Jul-09	26.4		15.6		0	Low Plan	25.2	
4-Jul-09	2.4		9.6		0	Low Plan	31.2	
5-Jul-09	0	Machine Breakdown	1.2		0	Low Plan	4.8	
6-Jul-09	7.2		9.6		0	Low Plan	3.6	
7-Jul-09	14.4		16.8		0	Low Plan	6	
8-Jul-09	24		0	Machine Breakdown	20.4		25.2	



## CDM – Executive Board

9-Jul-09	24		0	Machine Breakdown	8.4		18	
10-Jul-09	0	Machine Breakdown	0	Machine Breakdown	16.8		2.4	
11-Jul-09	0	Low Plan	0	Low Plan	0	Low Plan	0	Low Plan
12-Jul-09	3.6		0	Low Plan	4.8	Low Plan	2.4	
13-Jul-09	18		0	Low Plan	9.6	Low Plan	7.2	
14-Jul-09	31.2		0	Low Plan	30	Low Plan	19.2	
17-Jul-09	0	Low Plan	0	Low Plan	0	Low Plan	0	Low Plan
18-Jul-09	0	Low Plan	0	Low Plan	0	Low Plan	0	Low Plan
13-Aug-09	38.4		38.4		0	machine breakdown	36	
15-Aug-09	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
23-Aug-09	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
24-Aug-09	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
28-Aug-09	6		12		0	machine breakdown	21.6	
29-Aug-09	0	Machine Breakdown	6		8.4		14.4	
17-Oct-09	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
18-Oct-09	15.6		12		0	machine breakdown	15.6	
26-Oct-09	0	Machine Breakdown	25.2		34.8		24	
23-Dec-09	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
24-Dec-09	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
25-Dec-09	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
26-Dec-09	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
27-Dec-09	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
28-Dec-09	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
29-Dec-09	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
30-Dec-09	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
31-Dec-09	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
1-Jan-10	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
2-Jan-10	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown



## CDM – Executive Board

3-Jan-10	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
4-Jan-10	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
5-Jan-10	1.2		0	Low Plan	0	Plant Shutdown	0	Low Plan
17-Jan-10	26.4		6		3.6		0	Low Plan
18-Jan-10	1.2		0	Low Plan	12		9.6	
19-Jan-10	3.6		0	Low Plan	0	Plant Shutdown	30	
26-Jan-10	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
27-Jan-10	0	Low Plan	0	Low Plan	20.4		14.4	
28-Jan-10	0	Low Plan	0	Low Plan	27.6		0	Low Plan
29-Jan-10	0	Low Plan	0	Low Plan	27.6		1.2	
30-Jan-10	0	Low Plan	0	Low Plan	28.8		0	Low Plan
31-Jan-10	0	Low Plan	0	Low Plan	26.4		0	Low Plan
1-Feb-10	0	Low Plan	0	Low Plan	24		0	Low Plan
4-Feb-10	25.2		31.2		34.8		0	Low Plan
6-Feb-10	31.2		34.8		34.8		0	Low Plan
8-Feb-10	18		31.2		10.8		0	Low Plan
9-Feb-10	33.6		14.4		0	Low Plan	0	Low Plan
10-Feb-10	36		1.2		0	Low Plan	0	Low Plan
11-Feb-10	37.2		0	Low Plan	16.8		14.4	
14-Feb-10	34.8		28.8		0	Low Plan	0	Low Plan
18-Feb-10	0	Low Plan	0	Low Plan	0	machine breakdown	30	
19-Feb-10	0	Low Plan	0	Low Plan	20.4		26.4	
20-Feb-10	0	Low Plan	0	Low Plan	0	Low Plan	0	Low Plan
21-Feb-10	0	Low Plan	0	Low Plan	0	Low Plan	0	Low Plan
22-Feb-10	0	Low Plan	0	Low Plan	0	Low Plan	0	Low Plan
23-Feb-10	0	Low Plan	0	Low Plan	28.8		0	Low Plan
24-Feb-10	0	Low Plan	0	low Plan	33.6		0	Low Plan
26-Feb-10	4.8		4.8		3.6		0	Low Plan





## CDM – Executive Board

28-Feb-10	0	Factory Holiday	13.2	Factory Holiday	14.4	Factory Holiday	0	Factory Holiday
1-Mar-10	0	Low Plan	0	Low Plan	0	Low Plan	0	Low Plan
2-Mar-10	0	Low Plan	0	Low Plan	0	Low Plan	0	Low Plan
3-Mar-10	0	Low Plan	0	Low Plan	0	Low Plan	0	Low Plan
4-Mar-10	0	Low Plan	1.2	Low Plan	2.4		0	Low Plan
5-Mar-10	22.8		4.8		28.8		0	Low Plan
6-Mar-10	26.4		20.4		27.6		0	Low Plan
7-Mar-10	0	Low Plan	0	Low Plan	0	Low Plan	0	Low Plan
8-Mar-10	0	Low Plan	27.6		26.4		0	Low Plan
9-Mar-10	0	Low Plan	34.8		34.8		0	Low Plan
12-Mar-10	38.4		39.6		39.6		0	Low Plan
13-Mar-10	22.8		28.8		28.8		0	Low Plan
14-Mar-10	24		36		36		0	Low Plan
15-Mar-10	14.4		37.2		36		0	Low Plan
16-Mar-10	21.6		32.4		32.4		0	Low Plan
17-Mar-10	24		30		38.4		0	Low Plan
18-Mar-10	24		26.4		37.2		0	Low Plan
19-Mar-10	27.6		34.8		34.8		0	Low Plan
20-Mar-10	22.8		33.6		33.6		0	Low Plan
21-Mar-10	26.4		26.4		26.4		0	Low Plan
22-Mar-10	15.6		32.4		32.4		0	Low Plan
23-Mar-10	25.2		27.6		32.4		0	Low Plan
30-Mar-10	0	Low Plan	32.4		32.4		0	Low Plan
11-Apr-10	0		25.2		34.8		10.8	
17-Apr-10	27.6		0	Machine Breakdown	27.6		21.6	
1-May-10	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
28-Jun-10	4.8		0	Low Plan	0	Low Plan	0	Machine Breakdown
29-Jun-10	14.4		22.8		0	Low Plan	9.6	



## CDM – Executive Board

3-Jul-10	24		27.6		0	Low Plan	27.6	
4-Jul-10	36		36		0	Low Plan	25.2	
5-Jul-10	0	Low Plan	0	Low Plan	0	Low Plan	0	Low Plan
8-Jul-10	0	Low Plan	0	Low Plan	0	Low Plan	0	Low Plan
9-Jul-10	0	Low Plan	0	Low Plan	0	Low Plan	0	Low Plan
10-Jul-10	0	Low Plan	0	Low Plan	0	Low Plan	0	Low Plan
11-Jul-10	0	Low Plan	0	Low Plan	0	Low Plan	0	Low Plan
12-Jul-10	0	Low Plan	0	Low Plan	0	Low Plan	0	Low Plan
13-Jul-10	9.6		16.8		0	Low Plan	12	
14-Jul-10	32.4		34.8		0	Low Plan	21.6	
22-Jul-10	36		34.8		36		0	Low Plan
24-Jul-10	22.8		25.2		22.8		0	Low Plan
15-Aug-10	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
11-Sep-10	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
12-Sep-10	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
5-Nov-10	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
6-Nov-10	0	Low Plan	0	Low Plan	30		28.8	
7-Nov-10	0	Low Plan	0	Low Plan	39.6		3.6	
8-Nov-10	0	Low Plan	0	Low Plan	13.2		18	
9-Nov-10	0	Low Plan	28.8		2.4		39.6	
10-Nov-10	0	Low Plan	0	Low Plan	1.2		31.2	
11-Nov-10	0	Low Plan	7.2		0	Low Plan	22.8	
12-Nov-10	19.2		21.6		0	Low Plan	16.8	
3-Dec-10	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
25-Dec-10	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
27-Dec-10	9.6		15.6		0	Low Plan	22.8	
28-Dec-10	0	Machine Breakdown	31.2		2.4		26.4	
11-Jan-11	10.8		0	Low Plan	12		0	Low Plan



## CDM – Executive Board

12-Jan-11	18		1.2		0	Low Plan	0	Low Plan
13-Jan-11	0	Low Plan	12	Low Plan	0	Low Plan	10.8	Low Plan
14-Jan-11	0	Low Plan	0	Low Plan	0	Low Plan	0	Low Plan
15-Jan-11	0	Low Plan	0	Low Plan	0	Low Plan	0	Low Plan
16-Jan-11	0	Low Plan	0	Low Plan	0	Low Plan	0	Low Plan
17-Jan-11	0	Low Plan	0	Low Plan	0	Low Plan	0	Low Plan
26-Jan-11	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
21-Feb-11	0	Machine Breakdown	7.2		26.4		25.2	
25-Feb-11	10.8		14.4		26.4		0	Machine Breakdown
27-Feb-11	20.4		3.6		24		0	Machine Breakdown
28-Feb-11	19.2		0	Low Plan	4.8		0	Low Plan
1-Mar-11	0	Plant Shutdown	22.8		0	Plant Shutdown	0	Plant Shutdown
2-Mar-11	0	Plant Shutdown	6	Low Plan	0	Plant Shutdown	0	Plant Shutdown
3-Mar-11	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
4-Mar-11	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
5-Mar-11	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
6-Mar-11	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
7-Mar-11	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
8-Mar-11	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
9-Mar-11	0	Low Plan	0	Low Plan	19.2		25.2	
10-Mar-11	0	Low Plan	0	Low Plan	30		22.8	
11-Mar-11	0	Low Plan	0	Low Plan	13.2		14.4	
12-Mar-11	0	Low Plan	1.2	Low Plan	21.6		3.6	
13-Mar-11	24	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
14-Mar-11	16.8	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
15-Mar-11	10.8	Plant Shutdown	0	Plant Shutdown	1.2	Plant Shutdown	0	Plant Shutdown
16-Mar-11	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
17-Mar-11	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown



## CDM – Executive Board

18-Mar-11	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
19-Mar-11	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
20-Mar-11	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
21-Mar-11	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
22-Mar-11	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
23-Mar-11	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
24-Mar-11	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
25-Mar-11	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
26-Mar-11	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
27-Mar-11	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown	0	Plant Shutdown
28-Mar-11	0	Plant Shutdown	0	Plant Shutdown	0	Low Plan	13.2	
29-Mar-11	0	Plant Shutdown	1.2		7.2		2.4	
31-Mar-11	0	Plant Shutdown	21.6		28.8		15.6	
3-Apr-11	24		28.8		0	Low Plan	31.2	
6-Apr-11	0	Machine Breakdown	34.8		36		8.4	
29-Apr-11	24		33.6		26.4		0	Machine Breakdown
1-May-11	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday	0	Factory Holiday
8-May-11	0	Machine Breakdown	32.4		32.4		32.4	
9-May-11	0	Machine Breakdown	34.8		26.4		32.4	
10-May-11	0	Machine Breakdown	32.4		32.4		32.4	
28-May-11	0	Machine Breakdown	18		20.4		28.8	
29-May-11	0	Machine Breakdown	14.4		0	machine breakdown	19.2	



## Gandhidham

DATE	PSM 1	Reason for shut down	PSM 2	Reason for shut down	PSM 3	Reason for shut down	PSM 4	Reason for shut down
10-Nov-07	0	no Wrapper	23		20		0	No plan
11-Nov-07	12		33		38		0	No plan
12-Nov-07	36		33		35		0	No plan
13-Nov-07	29		30		33		0	No plan
14-Nov-07	35		39		29		0	No plan
20-Dec-07	36		34		0	No Plan	28	
21-Dec-07	38		33		0	No Plan	35	
22-Dec-07	36		33		0	No Plan	41	
23-Dec-07	34		28		0	No Plan	39	
26-Dec-07	3	No Plan	6		0	No Plan	40	
27-Dec-07	0	No Plan	10	No Plan	0	No Plan	41	
28-Dec-07	0	No Plan	0	No Plan	0	No Plan	40	
29-Dec-07	0	No Plan	0	No Plan	20	No Plan	a	
30-Dec-07	0	No Plan	0	No Plan	11	No Plan	36	
31-Dec-07	0	No Plan	0	No Plan	0	No Plan	37	
1/1/2008	0	No Plan	0	No Plan	29	No Plan	40	
1/14/2008		PH		PH		PH		PH
1/26/2008		PH		PH		PH		PH
2/25/2008	18		0	DFA Stock out	5	DFA Stock out	23	
3/22/2008	0	PH	0	PH	0	PH	0	PH
10-May-08	24		0	Wrapper stock out	26		37	
11-May-08	30		0	Wrapper stock out	30		7	
22-May-08	36		38		38		0	PSM Maintenance
23-May-08	35		39		40		0	PSM Maintenance



## CDM – Executive Board

24-May-08	35		33		33		0	PSM Maintenance
25-May-08	35		35		35		0	PSM Maintenance
26-May-08	39		38		37		0	PSM Maintenance
27-May-08	38		36		36		0	PSM Maintenance
28-May-08	37		32		30		0	PSM Maintenance
29-May-08	39		35		38		0	PSM Maintenance
30-May-08	37		38		39		0	PSM Maintenance
31-May-08	37		34		38		0	PSM Maintenance
1-Jun-08	36		33		38		0	PSM Maintenance
10-Jun-08	36		36		24		0	No Plan
17-Aug-08	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	37	DFA Shut down
18-Aug-08	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	36	DFA Shut down
19-Aug-08	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	12	DFA Shut down
20-Aug-08	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down
21-Aug-08	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down
22-Aug-08	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down
23-Aug-08	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down
24-Aug-08	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down
25-Aug-08	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down
26-Aug-08	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down
27-Aug-08	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down
28-Aug-08	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down
29-Aug-08	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down
30-Aug-08	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down
31-Aug-08	0	DFA Shut down	0	DFA Shut down	9	DFA Shut down	9	DFA Shut down
05-Sep-08	12		11		0	Dfa stock out	0	Dfa stock out
28-Sep-08	9	No plan	0	No plan	16		37	
29-Sep-08	0	No plan	0	No plan	21		31	



## CDM – Executive Board

02-Oct-08	0	No plan	0	No plan	24		24	
03-Oct-08	0	No plan	0	No plan	22		24	
04-Oct-08	0	No plan	29	No plan	32		29	
16-Oct-08	0	No plan	29		35		36	
17-Oct-08	0	No plan	16		36		37	
18-Oct-08	0	No plan	36		35		35	
19-Oct-08	0	No plan	15		19		34	
20-Oct-08	0	No plan	9		16		4	
21-Oct-08	0	No plan	31		26		35	
22-Oct-08	0	No plan	19		20		3	
23-Oct-08	0	No plan	29		5		18	
27-Oct-08	0	No plan	6	No plan	32		33	
28-Oct-08	0	No plan	0	No plan	1	No plan	10	
29-Oct-08	0	No plan	0	No plan	0	No plan	0	No plan
30-Oct-08	0	No plan	0	No plan	19		26	
31-Oct-08	0	No plan	4	No plan	32		35	
01-Nov-08	0	No plan	0	No plan	25		25	
15-Nov-08	14		25		10		0	No plan
17-Nov-08	8		22		0	No plan	10	
18-Nov-08	31		33		20		0	No plan
20-Nov-08	24		33		23		0	No plan
21-Nov-08	25		35		33		0	No plan
22-Nov-08	9		35		25		0	No plan
23-Nov-08	30		28		32		0	No plan
24-Nov-08	7	No plan	15		9	No plan	0	No plan
25-Nov-08	11	No plan	7	No plan	0	No plan	0	No plan
26-Nov-08	0	No plan	0	No plan	0	No plan	0	No plan
27-Nov-08	0	No plan	0	No plan	0	No plan	0	No plan

**CDM – Executive Board**

28-Nov-08	0	No plan	0	No plan	0	No plan	0	No plan
29-Nov-08	0	No plan	0	No plan	0	No plan	0	No plan
30-Nov-08	0	No plan	21	No plan	0	No plan	11	No plan
01-Dec-08	0	No plan	26	No plan	17	No plan	25	No plan
02-Dec-08	0	No plan	0	No plan	24	No plan	14	No plan
03-Dec-08	0	No plan	0	No plan	30	No plan	20	No plan
04-Dec-08	0	No plan	0	No plan	35	No plan	28	No plan
05-Dec-08	0	No plan	0	No plan	32	No plan	32	No plan
06-Dec-08	0	No plan	0	No plan	28	No plan	20	No plan
07-Dec-08	0	No plan	0	No plan	35	No plan	32	No plan
08-Dec-08	0	No plan	12	No plan	34	No plan	35	No plan
14-Dec-08	33	No plan	34	No plan	1	No plan	0	No plan
15-Dec-08	29	No plan	5	No plan	0	No plan	0	No plan
16-Dec-08	0	No plan	0	No plan	0	No plan	0	No plan
17-Dec-08	11	No plan	5	No plan	0	No plan	0	No plan
18-Dec-08	0	No plan	0	No plan	0	No plan	0	No plan
19-Dec-08	0	No plan	0	No plan	0	No plan	0	No plan
20-Dec-08	16	No plan	10	No plan	0	No plan	0	No plan
21-Dec-08	15	No plan	31	No plan	0	No plan	0	No plan
22-Dec-08	6	No plan	1	No plan	0	No plan	0	No plan
23-Dec-08	0	No plan	0	No plan	0	No plan	0	No plan
24-Dec-08	0	No plan	0	No plan	0	No plan	0	No plan
25-Dec-08	0	No plan	0	No plan	0	No plan	0	No plan
26-Dec-08	8	No plan	13	No plan	0	No plan	0	No plan
27-Dec-08	15	No plan	28	No plan	0	No plan	0	No plan
28-Dec-08	16	No plan	20	No plan	0	No plan	0	No plan
29-Dec-08	24	No plan	25	No plan	0	No plan	0	No plan
30-Dec-08	12	No plan	30	No plan	0	No plan	0	No plan





## CDM – Executive Board

31-Dec-08	27	No plan	27	No plan	0	No plan	0	No plan
01-Jan-09	24		33		1		0	No plan
02-Jan-09	30		30		14		0	No plan
03-Jan-09	13		24		15		0	No plan
04-Jan-09	28		28		18		0	No plan
26-Jan-09	2	PH	0	PH	4	PH	0	PH
01-Mar-09	1	No plan	8	No plan	0	No plan	10	No plan
02-Mar-09	0	No plan	9	No plan	0	No plan	14	No plan
03-Mar-09	0	No plan	0	No plan	0	No plan	20	No plan
05-Mar-09	25	No plan	12	No plan	0	No plan	0	No plan
06-Mar-09	25	No plan	18	No plan	0	No plan	0	No plan
07-Mar-09	8	No plan	0	No plan	0	No plan	0	No plan
08-Mar-09	19	No plan	20	No plan	0	No plan	0	No plan
11-Mar-09	0	PH	0	PH	0	PH	0	PH
09-Jun-09	0	DFA bland not ok	0	DFA bland not ok	7	DFA bland not ok	7	DFA bland not ok
10-Jun-09		DFA bland not ok		DFA bland not ok		DFA bland not ok		DFA bland not ok
11-Jun-09		DFA bland not ok		DFA bland not ok		DFA bland not ok		DFA bland not ok
12-Jun-09	0	DFA bland not ok	8	DFA bland not ok	0	DFA bland not ok	0	DFA bland not ok
14-Jun-09	9	DFA bland not ok	0	DFA bland not ok	29		1	
15-Jun-09	0	DFA bland not ok	0	DFA bland not ok	17		0	
16-Jun-09	0	DFA bland not ok	0	DFA bland not ok	30		4	
17-Jun-09	0	DFA bland not ok	0	DFA bland not ok	12		12	
18-Jun-09	0	DFA bland not ok	0	DFA bland not ok	0	DFA bland not ok	33	
19-Jun-09	0	DFA bland not ok	0	DFA bland not ok	0	DFA bland not ok	2	
20-Jun-09	0	DFA bland not ok	3		3		0	
16-Jul-09	0	blue star brek down	0	blue star brek down	6	blue star brek down	0	blue star brek down
17-Oct-09		No plan		No plan		No plan		No plan
18-Oct-09		No plan		No plan		No plan		No plan



## CDM – Executive Board

19-Oct-09		No plan		No plan		No plan		No plan
20-Oct-09	21	No plan	18	No plan	0	No plan	7	No plan
21-Oct-09	23	No plan	13	No plan	0	No plan	17	No plan
22-Oct-09	5	No plan	23	No plan	0	No plan	5	No plan
23-Oct-09	0	No plan	0	No plan	0	No plan	0	No plan
24-Oct-09	0	No plan	0	No plan	0	No plan	18	
25-Oct-09	0	No plan	0	No plan	4	No plan	15	
26-Oct-09	0	No plan	24	No plan	2	No plan	17	
27-Oct-09	14		12		0	No plan	16	
01-Nov-09	12		23		0	Change over	6	
07-Jan-10	30		24		0	PSM Maintenance	21	
14-Jan-10	23		0	Shut for pm	24		38	
15-Jan-10	4		0	Shut for pm	35		38	
16-Jan-10	25		0	Shut for pm	28		34	
17-Jan-10	28		0	Shut for pm	38		30	
28-Sep-10	36	DFA Shut down	0	DFA Shut down	24	DFA Shut down	33	
29-Sep-10	33	DFA Shut down	0	DFA Shut down	7	DFA Shut down	23	
30-Sep-10	8	DFA Shut down	0	DFA Shut down	7	DFA Shut down	33	
01-Oct-10	12	DFA Shut down	0	DFA Shut down	0	DFA Shut down	27	
02-Oct-10	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	4	DFA Shut down
03-Oct-10	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down
04-Oct-10	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down
05-Oct-10	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down
06-Oct-10	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down
07-Oct-10	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down
08-Oct-10	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down
09-Oct-10	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down
10-Oct-10	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down

**CDM – Executive Board**

---

11-Oct-10	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down
12-Oct-10	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down
13-Oct-10	4	DFA Shut down	0	DFA Shut down	0	DFA Shut down	0	DFA Shut down
14-Oct-10	26	DFA Shut down	0	DFA Shut down	14	DFA Shut down	8	DFA Shut down
15-Oct-10	30	DFA Shut down	0	DFA Shut down	30	DFA Shut down	33	DFA Shut down
16-Oct-10	33	DFA Shut down	0	DFA Shut down	32	DFA Shut down	36	DFA Shut down
06-Nov-10	0	Line stop	0	Line stop	23		11	
07-Nov-10	0	Line stop	18		21		0	
25-Dec-10	27		27		0	PM	28	
26-Dec-10	29		23		0	PM	34	

**Khamgaon**

Date	PSM1	Reason for Shutdown	PSM 2	Reason for Shutdown	PSM 3	Reason for Shutdown
1.9.07		No Plan	40		7	No Plan
3.9.07		No Plan	20		5	No Plan
4.9.07	46		43			No Plan
5.9.07	42		41			No Plan
6.9.07	38		23			No Plan
7.9.07	34		25			No Plan
8.9.07	46		22			No Plan
9.9.07	48		14	No Plan		No Plan
10.9.07	44		26			No Plan
13.9.07	16	No Plan	30			No Plan
15.9.07	41		16	No Plan		No Plan
18.9.07	44			No Plan		No Plan
19.9.07	40		10	No Plan		No Plan
21.9.07		No Plan	41		36	
24.9.07	33			No Plan	30	
25.9.07		No Plan		No Plan	25	
26.9.07	24		7	No Plan		No Plan
27.9.07	42			No Plan	14	No Plan
31.9.07		No Plan		No Plan		No Plan
8.10.07	4	No Plan		No Plan	32	
9.10.07	2	No Plan		No Plan	40	
11.10.07	20	No Plan		No Plan	26	
12.10.07	34			No Plan	15	No Plan
13.10.07	42			No Plan	6	No Plan
14.10.07	47			No Plan		No Plan



## CDM – Executive Board

15.10.07	6	No Plan	15	No Plan		No Plan
16.10.07		No Plan	38			No Plan
17.10.07		No Plan	8		23	
18.10.07		No Plan	15		34	
21.10.07		No Plan		No Plan		No Plan
26.10.07	12	No Plan		No Plan	28	
27.10.07	27			No Plan	35	
28.10.07	40			No Plan	34	
29.10.07	36			No Plan	39	
31.10.07	39			No Plan	34	
2.11.01		No Plan	38		18	
3.11.07		No Plan	30			No Plan
4.11.07		No Plan	5		18	
5.11.07		No Plan	27		28	
6.11.07		No Plan	30		25	
8.11.07	42		37			No Plan
9.11.07		No Plan		No Plan		No Plan
10.11.07	20			No Plan	16	
11.11.07		No Plan		No Plan		No Plan
13.11.07	23			No Plan	14	
14.11.07	41			No Plan	20	
15.11.07	34			No Plan	14	
16.11.07	31			No Plan	20	
17.11.07	18			No Plan	23	
18.11.07	32			No Plan	34	
19.11.07	30			No Plan	29	
20.11.07	30			No Plan	24	
21.11.07	16			No Plan	30	



## CDM – Executive Board

22.11.07	6			No Plan	22	
23.11.07	27			No Plan		No Plan
24.11.07	26			No Plan	3	
25.11.07	12	No Plan		No Plan	21	
26.11.07	4	No Plan		No Plan	28	
27.11.07		No Plan		No Plan	35	
28.11.07	12	No Plan		No Plan	17	
29.11.07	28		6	No Plan		No Plan
30.11.07	27			No Plan	10	
31.11.07		No Plan		No Plan		No Plan
3.12.07	11			No Plan		No Plan
4.12.07		No Plan		No Plan		No Plan
5.12.07	17	No Plan		No Plan	17	
6.12.07	3	No Plan		No Plan	22	
7.12.07	17	No Plan		No Plan	23	
8.12.07	11	No Plan		No Plan	25	
9.12.07	14	No Plan		No Plan	28	
10.12.07		No Plan		No Plan	14	
11.12.07		No Plan	27		21	No Plan
12.12.07		No Plan	30		34	
13.12.07		No Plan	34		32	
16.12.07	30		33			No Plan
17.12.07	27		7	No Plan		No Plan
18.12.07	1	No Plan		No Plan	18	No Plan
19.12.07		No Plan		No Plan	36	
20.12.07		No Plan		No Plan	26	
21.12.07		No Plan	19	No Plan	13	No Plan
23.12.07	26			No Plan		No Plan



## CDM – Executive Board

24.12.07	27			No Plan		No Plan
25.12.07	22			No Plan		No Plan
26.12.07	7			No Plan		No Plan
27.12.07		No Plan		No Plan		No Plan
28.12.07		No Plan		No Plan		No Plan
29.12.07		No Plan		No Plan		No Plan
30.12.07		No Plan		No Plan		No Plan
31.12.07	31			No Plan		No Plan
1.1.08	23			No Plan		No Plan
2.1.08	29			No Plan		No Plan
3.1.08	23			No Plan		No Plan
5.1.08	36			No Plan	26	
6.1.08	31			No Plan	16	No Plan
7.1.08	35			No Plan	3	No Plan
8.1.08	45			No Plan	29	
9.1.08	32			No Plan	30	
12.1.08	32		33			No Plan
13.1.08	39		20			No Plan
14.1.08	45		16			No Plan
15.1.08	40		28			No Plan
16.1.08	41		38			No Plan
17.1.08	47		36			No Plan
21.1.08	47	No Plan		No Plan	35	
26.1.08	PH			No Plan		No Plan
28.1.08	45		29			No Plan
29.1.08	44		37			No Plan
30.1.08	31		18			No Plan
31.1.08	54		42			No Plan



## CDM – Executive Board

6.2.08	46			No Plan	39	
7.2.08	37			No Plan	33	
10.2.08	38		33			No Plan
11.2.08	46			No Plan	19	No Plan
13.2.08	50			No Plan	33	
14.2.08	45			No Plan	22	
15.2.08	43			No Plan	23	
16.2.08	44			No Plan	11	No Plan
17.2.08	38			No Plan	15	No Plan
18.2.08	51		32			No Plan
20.2.08	28			No Plan	38	
21.2.08	40			No Plan	42	
24.2.08	32		27			No Plan
25.2.08		No Plan	21		30	
28.2.08	53		32			No Plan
29.2.08	35		2	No Plan		No Plan
1.3.08	31			No Plan	9	No Plan
2.3.08	11			No Plan	22	
3.3.08	49			No Plan	34	
4.3.08	45			No Plan	10	
5.3.08	25			No Plan	38	
6.3.08	30			No Plan	32	
8.3.08	25		33			No Plan
9.3.08	29		21			No Plan
10.3.08	31		41			No Plan
11.3.08	28		36			No Plan
12.3.08	40		40			No Plan
13.3.08	27		31			No Plan





## CDM – Executive Board

15.3.08	34			No Plan	40	
16.3.08	31			No Plan	14	
17.3.08	47			No Plan	25	
18.3.08	55			No Plan	35	
19.3.08	48			No Plan	30	
21.3.08	41		27			No Plan
22.3.08	0	PH	0	PH	0	PH
23.3.08	33		27			No Plan
25.3.08	54			No Plan	28	
26.3.08	44			No Plan	41	
27.3.08	51			No Plan	36	
28.3.08	30			No Plan	28	
29.3.08	53			No Plan	39	
30.3.08	48			No Plan	27	
31.3.08	47			No Plan	41	
1.4.08	48			No Plan	34	
3.4.08	51			No Plan	39	
4.4.08	54			No Plan	32	
5.4.08	51		38			No Plan
6.4.08	29		34			No Plan
7.4.08	26		33			No Plan
8.4.08	47		28			No Plan
9.4.08	36		29			No Plan
10.4.08	25		28			No Plan
12.4.08	39			No Plan	27	No Plan
13.4.08	21			No Plan	14	No Plan
14.4.08		No Plan		No Plan		No Plan
15.4.08	34			No Plan	35	



## CDM – Executive Board

17.4.08	39		29			No Plan
18.4.08	31		40			No Plan
19.4.08	27		39			No Plan
21.4.08	45		34			No Plan
22.4.08	37		20			No Plan
23.4.08	50		27			No Plan
24.4.08	50		27			No Plan
26.4.08	36		29			No Plan
27.4.08	41			No Plan	32	
28.4.08	35			No Plan	26	
29.4.08	47			No Plan	38	
1.5.08		No Plan		No Plan		No Plan
4.5.08	49		31			No Plan
5.5.08	51		35			No Plan
6.5.08	44		29			No Plan
8.5.08	26		30			No Plan
9.5.08	45		32			No Plan
11.5.08	18			No Plan	30	
12.5.08	12			No Plan	31	
13.5.08	17			No Plan	29	
14.5.08	28			No Plan	25	
15.5.08	26			No Plan	31	
17.5.08	10		33			No Plan
18.5.08	42		8	No Plan		No Plan
19.5.08	49		9	No Plan		No Plan
20.5.08	52		29			No Plan
21.5.08	42		40			No Plan
22.5.08	47		37			No Plan



## CDM – Executive Board

26.5.08	27	No Plan		No Plan	31	
28.5.08	42		31			No Plan
29.5.08	31		33			No Plan
30.5.08	35		35			No Plan
31.5.08	21		32			No Plan
1.6.08	12	No Plan	35			No Plan
2.6.08	12	No Plan	26			No Plan
5.6.08	39		31			No Plan
6.6.08	27		36			No Plan
8.6.08	8	No Plan		No Plan	4	No Plan
9.6.08	30			No Plan	11	No Plan
10.6.08	36			No Plan	18	No Plan
11.6.08	42			No Plan	19	No Plan
12.6.08	32			No Plan	17	No Plan
13.6.08	45			No Plan	27	No Plan
14.6.08	42			No Plan	25	No Plan
15.6.08	26			No Plan	25	No Plan
17.6.08	48			No Plan	2	No Plan
18.6.08	40			No Plan	23	No Plan
19.6.08	41			No Plan	4	No Plan
20.6.08	48			No Plan		No Plan
21.6.08	39			No Plan		No Plan
22.6.08	44			No Plan		No Plan
23.6.08	41		21	No Plan		No Plan
24.6.08	46			No Plan	30	
25.6.08	25			No Plan	37	
26.6.08	35			No Plan	34	
28.6.08		No Plan	15	No Plan	16	No Plan



## CDM – Executive Board

29.6.08	22		9	No Plan		No Plan
30.6.08	22			No Plan		No Plan
1.7.08	30		0	No Plan	0	No Plan
2.7.08	0	No Plan	27		0	No Plan
3.7.08	32		32		0	No Plan
4.7.08	6	No Plan	0	No Plan	32	
5.7.08	0	No Plan	0	No Plan	37	
6.7.08	0	No Plan	0	No Plan	39	
7.7.08	0	No Plan	0	No Plan	36	
8.7.08	0	No Plan	0	No Plan	38	
9.7.08	0	No Plan	15		37	
10.7.08	0	No Plan	40		37	
11.7.08	0	No Plan	38		33	
12.7.08	0	No Plan	35		35	
13.7.08	0	No Plan	22		39	
22.7.08	0	No Plan	33		24	
23.7.08	0	No Plan	38		38	
24.7.08	0	No Plan	37		36	
25.7.08	0	No Plan	33		36	
27.7.08	42			No Plan	24	
28.7.08	30			No Plan	24	
29.7.08	37		3	No Plan	0	No Plan
30.7.08	36		10	No Plan	0	No Plan
1.8.08	41		28			No Plan
2.8.08	16		29			No Plan
3.8.08		No Plan	34		26	No Plan
5.8.08	31		32			No Plan
6.8.08	39		36			No Plan



## CDM – Executive Board

7.8.08	40		7			No Plan
8.8.08	38		30			No Plan
9.8.08	43		29			No Plan
10.8.08	30		40			No Plan
11.8.08	5	No Plan	31			No Plan
12.8.08		No Plan	10	No Plan		No Plan
13.8.08		No Plan		No Plan		No Plan
14.8.08	2	No Plan		No Plan		No Plan
15.8.08		No Plan		No Plan		No Plan
16.8.08	4	No Plan		No Plan		No Plan
17.8.08	15	No Plan		No Plan		No Plan
18.8.08	29			No Plan	9	No Plan
19.8.08	28			No Plan	30	
20.8.08	34			No Plan	30	
21.8.08	33			No Plan	24	
22.8.08	34			No Plan	23	
23.8.08	35			No Plan	32	
24.8.08	33			No Plan	35	
25.8.08	40			No Plan	22	
26.8.08	46			No Plan	20	
29.8.08	43		38			No Plan
30.8.08	32		39			No Plan
31.8.08	21		19			No Plan
1.9.08	35			No Plan	22	No Plan
3.9.08	40		30			No Plan
4.9.08	41		36			No Plan
6.9.08	28		3	No Plan		No Plan
7.9.08	20		14	No Plan		No Plan



## CDM – Executive Board

8.9.08	35		40			No Plan
9.9.08	31		29			No Plan
10.9.08	26		27			No Plan
11.9.08	37		39			No Plan
12.9.08	39		39			No Plan
14.9.08		No Plan		No Plan		No Plan
29.9.08	24		23			No Plan
31.9.08		No Plan		No Plan		No Plan
4.10.08	17		19			No Plan
5.10.08	36		18			No Plan
7.10.08	36			No Plan	29	
8.10.08	32			No Plan	28	
9.10.08		No Plan		No Plan		No Plan
10.10.08	31			No Plan	27	
11.10.08	36			No Plan	28	
12.10.08	46			No Plan	24	
14.10.08	40			No Plan	26	
18.10.08	44			No Plan	18	
19.10.08	30			No Plan	30	
22.10.08	34			No Plan	25	
23.10.08	20			No Plan	36	
26.10.08	37		14	No Plan		No Plan
27.10.08	24			No Plan		No Plan
28.10.08	0	No Plan		No Plan		No Plan
29.10.08	0	No Plan		No Plan		No Plan
30.10.08	0	No Plan		No Plan		No Plan
31.10.08	30			No Plan		No Plan
1.11.08	33			No Plan		No Plan



## CDM – Executive Board

16.11.08	12	No Plan		No Plan	25	
18.11.08	40			No Plan	25	
20.11.08	41			No Plan	30	
26.11.08	27			No Plan	22	No Plan
27.11.08	26			No Plan	21	No Plan
28.11.08	25			No Plan	18	No Plan
29.11.08	26			No Plan	22	No Plan
6.12.08	45		30			No Plan
7.12.08	45		31			No Plan
8.12.08	38		37			No Plan
13.12.08	21			No Plan		No Plan
14.12.08	28			No Plan		No Plan
15.12.08	29			No Plan		No Plan
17.12.08	44			No Plan		No Plan
18.12.08	3	No Plan		No Plan	8	No Plan
19.12.08	18	No Plan		No Plan		No Plan
20.12.08	9	No Plan		No Plan		No Plan
21.12.08	3	No Plan		No Plan	1	No Plan
22.12.08	1	No Plan		No Plan	17	No Plan
23.12.08		No Plan		No Plan	17	No Plan
24.12.08		No Plan		No Plan		No Plan
25.12.08	16	No Plan		No Plan		No Plan
26.12.08	26	No Plan		No Plan		No Plan
27.12.08	28	No Plan		No Plan		No Plan
28.12.08		No Plan		No Plan		No Plan
29.12.08		No Plan		No Plan		No Plan
30.12.08		No Plan		No Plan		No Plan
1.1.09	23	No Plan		No Plan	27	No Plan



## CDM – Executive Board

4.1.09	30			No Plan	8	No Plan
5.1.09	38			No Plan	26	No Plan
6.1.09	25			No Plan	33	No Plan
8.1.09	35		31			No Plan
9.1.09	25		35			No Plan
10.1.09	36		36			No Plan
11.1.09	27		14	No Plan		No Plan
13.1.09	47		33		0	No Plan
15.1.09		No Plan	38		30	
16.1.09		No Plan	37		33	
17.1.09		No Plan	27		29	
20.1.09		No Plan	14	No Plan	22	
21.1.09		No Plan	22	No Plan	30	
23.1.09	13	No Plan		No Plan	27	
26.1.09		No Plan		No Plan		No Plan
1.2.09	31			No Plan	31	
7.2.09	42		29			No Plan
8.2.09	33		32			No Plan
13.2.09	17			No Plan	19	No Plan
14.2.09	38			No Plan	27	
15.2.09	35			No Plan	35	
16.2.09	26			No Plan	34	
18.2.09	33			No Plan	30	
21.2.09	40			No Plan	33	
22.2.09	45			No Plan	28	
23.2.09	30			No Plan	27	
26.2.09	29		5	No Plan		No Plan
27.2.09	27		7	No Plan		No Plan





## CDM – Executive Board

28.2.09	9	No Plan	8	No Plan		No Plan
1.3.09	0	No Plan		No Plan		No Plan
2.3.09	23	No Plan	26			No Plan
3.3.09	36		29			No Plan
5.3.09	25			No Plan	26	
9.3.09	37		28			No Plan
11.3.09		No Plan		No Plan		No Plan
12.3.09		No Plan	26		27	
13.3.09		No Plan	26		26	
14.3.09		No Plan	26		28	
18.3.09	40			No Plan	35	
19.3.09	32			No Plan	20	No Plan
20.3.09	33			No Plan	17	No Plan
21.3.09	42			No Plan	19	No Plan
22.3.09	41		32			No Plan
24.3.09	44			No Plan	25	
25.3.09	43			No Plan	27	
27.3.09	49			No Plan	25	
28.3.09	46			No Plan	19	No Plan
29.3.09	44			No Plan	21	No Plan
30.3.09	47			No Plan	27	
31.3.09	52			No Plan	19	No Plan
2.4.09	40			No Plan	25	
5.4.09		No Plan	15	No Plan	18	No Plan
6.4.09		No Plan	4	No Plan	24	No Plan
7.4.09		No Plan		No Plan	24	No Plan
8.4.09		No Plan		No Plan	20	No Plan
9.4.09	15	No Plan		No Plan	10	No Plan



## CDM – Executive Board

10.4.09	7	No Plan		No Plan	12	No Plan
11.4.09		No Plan		No Plan	34	
12.4.09	12	No Plan		No Plan	37	
13.4.09	5	No Plan		No Plan	29	
14.4.09		No Plan		No Plan	39	
15.4.09		No Plan		No Plan	34	
16.4.09		No Plan		No Plan		No Plan
17.4.09	21	No Plan		No Plan	29	
18.4.09	38			No Plan	27	
19.4.09	31			No Plan	7	No Plan
21.4.09	37			No Plan	11	No Plan
22.4.09	25			No Plan	23	No Plan
23.4.09	26			No Plan	25	
24.4.09	21			No Plan	25	
25.4.09	29			No Plan	12	No Plan
26.4.09	30			No Plan	28	
28.4.09	44		19	No Plan		No Plan
29.4.09	28		19	No Plan		No Plan
30.4.09	28			No Plan		No Plan
1.5.09	0	PH		No Plan		No Plan
2.5.09	30.45		20	No Plan		No Plan
3.5.09	39.9			No Plan		No Plan
4.5.09	13.65	No Plan	22	No Plan		No Plan
5.5.09	19.95	No Plan	31			No Plan
6.5.09	39.9			No Plan		No Plan
7.5.09	42			No Plan		No Plan
8.5.09	26.25		18	No Plan		No Plan
9.5.09	39.9			No Plan	1	No Plan



## CDM – Executive Board

11.5.09	43.05		5	No Plan		No Plan
12.5.09	40.95		16	No Plan		No Plan
13.5.09	35.7		16	No Plan		No Plan
14.5.09	23.1	No Plan	17	No Plan		No Plan
16.5.09	18.9	No Plan		No Plan	19	No Plan
17.5.09	35.7			No Plan	12	No Plan
18.5.09	36.75			No Plan		No Plan
20.5.09	37.8		32			No Plan
21.5.09	36.75		25			No Plan
22.5.09	23.1	No Plan	18	No Plan		No Plan
24.5.09	0	No Plan	34		20	No Plan
26.5.09	34.65		33			No Plan
27.5.09	44.1		28			No Plan
28.5.09	32.55		24	No Plan		No Plan
29.5.09	40.95		25	No Plan		No Plan
30.5.09	44.1		31			No Plan
31.5.09	42		33			No Plan
4.6.09	44.1			No Plan	32	
6.6.09	24.15	No Plan	0	No Plan	0	No Plan
7.6.09	4.2	No Plan	0	No Plan	20	No Plan
8.6.09	0	No Plan	10	No Plan	35	
9.6.09	0	No Plan	25		26	
11.6.09	0	No Plan	39		15	No Plan
12.6.09	0	No Plan	17	No Plan	17	No Plan
13.6.09	0	No Plan		No Plan	28	
14.6.09	0	No Plan	18	No Plan	5	No Plan
15.6.09	0	No Plan	28			No Plan
16.6.09	0	No Plan	26			No Plan



## CDM – Executive Board

17.6.09	0	No Plan	19	No Plan		No Plan
18.6.09	0	No Plan		No Plan	29	
19.6.09	0	No Plan	12	No Plan	5	No Plan
20.6.09	0	No Plan	0	No Plan		No Plan
21.6.09	0	No Plan	0	No Plan		No Plan
22.6.09	0	No Plan	0	No Plan		No Plan
23.6.09	0	No Plan	0	No Plan		No Plan
24.6.09	0	No Plan	0	No Plan		No Plan
25.6.09	0	No Plan	0	No Plan		No Plan
26.6.09	0	No Plan	0	No Plan		No Plan
27.6.09	0	No Plan	8	No Plan		No Plan
28.6.09	0	No Plan	10	No Plan	1	No Plan
29.6.09	0	No Plan	4	No Plan	27	
30.6.09	0	No Plan	12	No Plan	23	No Plan
1.7.09		No Plan	2	No Plan	22	No Plan
2.7.09		No Plan	19	No Plan	15	No Plan
3.7.09		No Plan	22	No Plan	16	No Plan
4.7.09		No Plan	30		14	No Plan
6.7.09	27.3		22	No Plan	0	No Plan
7.7.09	26.25		9	No Plan	0	No Plan
8.7.09	30.45		26		0	No Plan
9.7.09	34.65		18	No Plan	0	No Plan
10.7.09	27.3		31		0	No Plan
11.7.09	26.25		17	No Plan	0	No Plan
14.7.09	18.9	No Plan	1	No Plan	0	No Plan
15.7.09	28.35		0	No Plan	0	No Plan
16.7.09	21	No Plan	0	No Plan	0	No Plan
17.7.09	25.2		0	No Plan	0	No Plan



## CDM – Executive Board

18.7.09	25.2		0	No Plan	0	No Plan
19.7.09	4.2	No Plan	0	No Plan	19	No Plan
20.7.09	17.85	No Plan	0	No Plan	22	No Plan
22.7.09	16.8	No Plan	0	No Plan	24	No Plan
23.7.09	29.4		0	No Plan	16	No Plan
24.7.09	38.85		0	No Plan	5	No Plan
25.7.09	29.4		0	No Plan	0	No Plan
26.7.09	23.1	No Plan	0	No Plan	0	No Plan
27.7.09	23.1	No Plan	0	No Plan	0	No Plan
28.7.09	27.3		0	No Plan	0	No Plan
29.7.09	27.3		0	No Plan	0	No Plan
30.7.09	21	No Plan	0	No Plan	0	No Plan
31.7.09	25.2		0	No Plan	0	No Plan
1.8.09	18.9	No Plan		No Plan		No Plan
2.8.09	27.3			No Plan		No Plan
3.8.09	24.15			No Plan		No Plan
4.8.09	43.05			No Plan		No Plan
5.8.09	36.75		6	No Plan		No Plan
6.8.09	42		5	No Plan		No Plan
7.8.09	29.4			No Plan		No Plan
8.8.09	45.15			No Plan		No Plan
9.8.09	42			No Plan		No Plan
10.8.09	45.15			No Plan		No Plan
11.8.09	49.35		12	No Plan		No Plan
12.8.09	23.1	No Plan	9	No Plan		No Plan
13.8.09	29.4		11	No Plan		No Plan
14.8.09	44.1		35			No Plan
15.8.09	0	PH		No Plan		No Plan



## CDM – Executive Board

16.8.09	35.7		33			No Plan
17.8.09	32.55		12	No Plan		No Plan
18.8.09	32.55		21	No Plan		No Plan
19.8.09	23.1	No Plan	2	No Plan		No Plan
20.8.09	16.8	No Plan		No Plan		No Plan
21.8.09	15.75	No Plan		No Plan		No Plan
22.8.09	15.75	No Plan		No Plan		No Plan
23.8.09	8.4	No Plan	9	No Plan		No Plan
24.8.09	18.9	No Plan	13	No Plan		No Plan
25.8.09	18.9	No Plan		No Plan		No Plan
26.8.09	33.6	No Plan		No Plan		No Plan
27.8.09	24.15	No Plan		No Plan		No Plan
28.8.09	16.8	No Plan		No Plan		No Plan
29.8.09	45.15			No Plan		No Plan
30.8.09	36.75			No Plan	26	
31.8.09	14.7	No Plan		No Plan	26	
1.9.09	40.95			No Plan	33	
3.9.09	7.35	No Plan		No Plan		No Plan
6.9.09	22.05	No Plan	22	No Plan		No Plan
7.9.09	46.2		10	No Plan		No Plan
8.9.09	47.25		9	No Plan		No Plan
9.9.09	23.1	No Plan	22	No Plan		No Plan
10.9.09	35.7		10	No Plan		No Plan
11.9.09	23.1		11	No Plan		No Plan
12.9.09	30.45		12	No Plan		No Plan
13.9.09	24.15	No Plan		No Plan		No Plan
14.9.09	1.05	No Plan		No Plan		No Plan
15.9.09	6.3	No Plan		No Plan		No Plan



## CDM – Executive Board

16.9.09	0	No Plan		No Plan	18	No Plan
17.9.09	19.95	No Plan		No Plan	6	No Plan
18.9.09	31.5			No Plan		No Plan
19.9.09	28.35			No Plan	11	No Plan
20.9.09	39.9			No Plan	22	No Plan
21.9.09	37.8			No Plan	22	No Plan
22.9.09	38.85			No Plan	25	
25.9.09	1.05	No Plan	26			No Plan
27.9.09	5.25	No Plan		No Plan	5	No Plan
28.9.09	0	No Plan		No Plan		No Plan
29.9.09	29.4	No Plan		No Plan		No Plan
30.9.09	12.6	No Plan	8	No Plan		No Plan
31.9.09	0	No Plan		No Plan		No Plan
Oct-09	0	No Plan	0	No Plan	0	No Plan
Nov-09	0	No Plan	0	No Plan	0	No Plan
Dec-09	0	No Plan	0	No Plan	0	No Plan
1.1.10		No Plan		No Plan		No Plan
2.1.10		No Plan		No Plan		No Plan
3.1.10		No Plan		No Plan		No Plan
4.1.10		No Plan		No Plan		No Plan
5.1.10		No Plan		No Plan		No Plan
6.1.10		No Plan		No Plan		No Plan
7.1.10		No Plan		No Plan		No Plan
8.1.10		No Plan		No Plan		No Plan
9.1.10		No Plan		No Plan		No Plan
10.1.10		No Plan		No Plan		No Plan
11.1.10		No Plan		No Plan		No Plan
12.1.10		No Plan		No Plan		No Plan



## CDM – Executive Board

13.1.10		No Plan		No Plan		No Plan
14.1.10		No Plan		No Plan		No Plan
15.1.10		No Plan		No Plan		No Plan
16.1.10		No Plan	17	No Plan		No Plan
17.1.10		No Plan	31	No Plan		No Plan
18.1.10	27	No Plan	3	No Plan		No Plan
19.1.10	23	No Plan		No Plan		No Plan
20.1.10	36			No Plan		No Plan
21.1.10	26			No Plan		No Plan
22.1.10	10	No Plan		No Plan		No Plan
23.1.10	10	No Plan		No Plan		No Plan
24.1.10	39			No Plan		No Plan
25.1.10	20	No Plan		No Plan		No Plan
26.1.10		No Plan		No Plan		No Plan
27.1.10	24	No Plan		No Plan		No Plan
28.1.10	24	No Plan		No Plan		No Plan
29.1.10	43			No Plan		No Plan
30.1.10	32			No Plan		No Plan
31.1.10	3	No Plan		No Plan		No Plan
1.2.10	12	No Plan		No Plan		No Plan
2.2.10	40			No Plan		No Plan
3.2.10	36			No Plan		No Plan
4.2.10	40			No Plan		No Plan
5.2.10	28			No Plan		No Plan
6.2.10	37			No Plan		No Plan
7.2.10	37			No Plan		No Plan
8.2.10	30			No Plan		No Plan
9.2.10	1	No Plan		No Plan	22	No Plan



**CDM – Executive Board**

10.2.10		No Plan	10	No Plan	19	No Plan
11.2.10		No Plan	5	No Plan	26	
12.2.10		No Plan		No Plan	18	No Plan
13.2.10		No Plan		No Plan	17	No Plan
14.2.10		No Plan	10	No Plan	10	No Plan
15.2.10		No Plan	3	No Plan		No Plan
16.2.10		No Plan		No Plan		No Plan
17.2.10		No Plan		No Plan		No Plan
18.2.10		No Plan		No Plan		No Plan
19.2.10		No Plan		No Plan		No Plan
20.2.10		No Plan		No Plan		No Plan
21.2.10		No Plan		No Plan		No Plan
22.2.10		No Plan		No Plan		No Plan
23.2.10		No Plan	6	No Plan		No Plan
24.2.10		No Plan	20	No Plan		No Plan
25.2.10		No Plan		No Plan		No Plan
26.2.10		No Plan		No Plan		No Plan
27.2.10		No Plan		No Plan		No Plan
28.2.10		No Plan		No Plan		No Plan
29.2.10		No Plan		No Plan		No Plan
1.3.10		No Plan		No Plan		No Plan
2.3.10		No Plan		No Plan		No Plan
3.3.10		No Plan		No Plan		No Plan
4.3.10		No Plan		No Plan		No Plan
5.3.10		No Plan		No Plan		No Plan
6.3.10		No Plan		No Plan		No Plan
7.3.10		No Plan		No Plan		No Plan
8.3.10		No Plan		No Plan		No Plan



## CDM – Executive Board

9.3.10		No Plan		No Plan		No Plan
10.3.10		No Plan		No Plan		No Plan
11.3.10		No Plan		No Plan		No Plan
12.3.10		No Plan		No Plan		No Plan
13.3.10		No Plan	7	No Plan		No Plan
14.3.10		No Plan	14	No Plan		No Plan
15.3.10		No Plan	24	No Plan		No Plan
16.3.10		No Plan	19	No Plan		No Plan
17.3.10		No Plan	24	No Plan		No Plan
18.3.10		No Plan	22	No Plan		No Plan
19.3.10		No Plan	22	No Plan		No Plan
20.3.10		No Plan	23	No Plan		No Plan
21.3.10		No Plan	29			No Plan
22.3.10		No Plan	16	No Plan	26	
23.3.10		No Plan	5	No Plan	29	
24.3.10		No Plan		No Plan	34	
25.3.10		No Plan		No Plan	2	No Plan
26.3.10		No Plan		No Plan		No Plan
27.3.10		No Plan		No Plan		No Plan
28.3.10		No Plan		No Plan		No Plan
29.3.10		No Plan		No Plan		No Plan
30.3.10		No Plan		No Plan		No Plan
31.3.10		No Plan		No Plan		No Plan
1.4.10		No Plan		No Plan		No Plan
2.4.10		No Plan		No Plan		No Plan
3.4.10		No Plan		No Plan		No Plan
4.4.10		No Plan		No Plan		No Plan
5.4.10		No Plan		No Plan		No Plan



## CDM – Executive Board

6.4.10		No Plan		No Plan		No Plan
7.4.10		No Plan		No Plan		No Plan
8.4.10		No Plan		No Plan		No Plan
9.4.10		No Plan		No Plan	5	No Plan
10.4.10		No Plan		No Plan		No Plan
11.4.10		No Plan		No Plan		No Plan
12.4.10		No Plan	15	No Plan		No Plan
13.4.10		No Plan	5	No Plan	14	No Plan
14.4.10		No Plan		No Plan	31	No Plan
15.4.10		No Plan	14	No Plan	14	No Plan
16.4.10		No Plan	34			No Plan
17.4.10		No Plan	29			No Plan
18.4.10		No Plan	25			No Plan
19.4.10		No Plan	34			No Plan
20.4.10		No Plan	9	No Plan	21	No Plan
21.4.10		No Plan		No Plan	23	No Plan
22.4.10		No Plan		No Plan	9	No Plan
23.4.10		No Plan	32		8	No Plan
24.4.10		No Plan	30			No Plan
25.4.10		No Plan	29			No Plan
26.4.10		No Plan	25			No Plan
27.4.10		No Plan	14	No Plan		No Plan
28.4.10		No Plan		No Plan		No Plan
29.4.10		No Plan		No Plan		No Plan
30.4.10		No Plan	25			No Plan
31.4.10		No Plan		No Plan		No Plan
1.5.10		No Plan		No Plan		No Plan
2.5.10		No Plan	39			No Plan



## CDM – Executive Board

3.5.10		No Plan	16	No Plan		No Plan
4.5.10		No Plan		No Plan	26	
5.5.10		No Plan		No Plan	27	
6.5.10		No Plan		No Plan	11	No Plan
7.5.10		No Plan	30			No Plan
8.5.10		No Plan	33			No Plan
9.5.10		No Plan		No Plan		No Plan
10.5.10		No Plan		No Plan		No Plan
11.5.10	12	No Plan		No Plan		No Plan
12.5.10	3	No Plan		No Plan		No Plan
13.5.10	15	No Plan		No Plan		No Plan
14.5.10	25			No Plan		No Plan
15.5.10	22	No Plan		No Plan		No Plan
16.5.10	7	No Plan		No Plan		No Plan
17.5.10		No Plan		No Plan		No Plan
18.5.10		No Plan	33			No Plan
19.5.10		No Plan	22			No Plan
20.5.10		No Plan	19	No Plan		No Plan
21.5.10		No Plan	3	No Plan		No Plan
22.5.10		No Plan	6	No Plan		No Plan
23.5.10		No Plan	21	No Plan		No Plan
24.5.10		No Plan	12	No Plan		No Plan
25.5.10		No Plan		No Plan		No Plan
26.5.10		No Plan		No Plan		No Plan
27.5.10		No Plan		No Plan		No Plan
28.5.10		No Plan		No Plan		No Plan
29.5.10		No Plan		No Plan		No Plan
30.5.10		No Plan		No Plan		No Plan



## CDM – Executive Board

31.5.10	1	No Plan		No Plan	13	No Plan
1.6.10	0	No Plan		No Plan	3	No Plan
2.6.10	0	No Plan		No Plan	15	No Plan
3.6.10	0	No Plan		No Plan	11	No Plan
4.6.10	0	No Plan		No Plan	12	No Plan
5.6.10	0	No Plan		No Plan	33	
6.6.10	0	No Plan		No Plan	34	
7.6.10	0	No Plan		No Plan	24	No Plan
8.6.10	0	No Plan	11	No Plan		No Plan
9.6.10	10	No Plan	6	No Plan		No Plan
10.6.10	22	No Plan		No Plan	12	No Plan
11.6.10		No Plan		No Plan	42	
12.6.10	39			No Plan	6	No Plan
13.6.10	25			No Plan		No Plan
14.6.10	27			No Plan		No Plan
15.6.10	21	No Plan		No Plan		No Plan
16.6.10	42			No Plan		No Plan
17.6.10	24	No Plan		No Plan		No Plan
18.6.10	31			No Plan		No Plan
19.6.10	26			No Plan		No Plan
20.6.10	29			No Plan		No Plan
21.6.10	28			No Plan		No Plan
22.6.10	25			No Plan		No Plan
23.6.10	30			No Plan		No Plan
24.6.10	24			No Plan		No Plan
25.6.10	22	No Plan		No Plan		No Plan
26.6.10	27			No Plan		No Plan
27.6.10	24	No Plan		No Plan		No Plan

**CDM – Executive Board**

28.6.10		No Plan		No Plan		No Plan
29.6.10		No Plan		No Plan		No Plan
30.6.10		No Plan		No Plan		No Plan
1.7.10	0	No Plan		No Plan		No Plan
2.7.10	0	No Plan		No Plan		No Plan
3.7.10	0	No Plan		No Plan		No Plan
4.7.10	0	No Plan		No Plan		No Plan
5.7.10	0	No Plan		No Plan		No Plan
6.7.10	0	No Plan		No Plan		No Plan
7.7.10	0	No Plan		No Plan		No Plan
8.7.10	0	No Plan		No Plan		No Plan
9.7.10	0	No Plan		No Plan		No Plan
10.7.10	0	No Plan		No Plan		No Plan
11.7.10	0	No Plan		No Plan		No Plan
12.7.10	0	No Plan		No Plan		No Plan
13.7.10	0	No Plan		No Plan		No Plan
14.7.10	0	No Plan		No Plan		No Plan
15.7.10	0	No Plan		No Plan		No Plan
16.7.10	0	No Plan		No Plan		No Plan
17.7.10	0	No Plan		No Plan		No Plan
18.7.10	0	No Plan		No Plan		No Plan
19.7.10	0	No Plan		No Plan		No Plan
20.7.10	0	No Plan		No Plan		No Plan
21.7.10	0	No Plan		No Plan		No Plan
22.7.10	0	No Plan		No Plan		No Plan
23.7.10	0	No Plan		No Plan		No Plan
24.7.10	0	No Plan		No Plan		No Plan
25.7.10	0	No Plan		No Plan		No Plan



## CDM – Executive Board

26.7.10	0	No Plan		No Plan		No Plan
27.7.10	0	No Plan		No Plan		No Plan
28.7.10	0	No Plan		No Plan		No Plan
29.7.10	0	No Plan		No Plan		No Plan
30.7.10	0	No Plan		No Plan		No Plan
31.7.10	1	No Plan		No Plan		No Plan
1.8.10	4	No Plan		No Plan		No Plan
2.8.10	17	No Plan		No Plan		No Plan
3.8.10	18	No Plan		No Plan		No Plan
4.8.10		No Plan		No Plan		No Plan
5.8.10	20	No Plan		No Plan	1	No Plan
6.8.10	22	No Plan		No Plan		No Plan
7.8.10	22	No Plan		No Plan	1	No Plan
8.8.10	20	No Plan		No Plan		No Plan
9.8.10	22	No Plan		No Plan		No Plan
10.8.10	24	No Plan		No Plan		No Plan
11.8.10	14	No Plan		No Plan		No Plan
12.8.10	20	No Plan		No Plan		No Plan
13.8.10		No Plan		No Plan		No Plan
14.8.10		No Plan		No Plan		No Plan
15.8.10		No Plan		No Plan		No Plan
16.8.10		No Plan		No Plan		No Plan
17.8.10		No Plan		No Plan		No Plan
18.8.10		No Plan		No Plan		No Plan
19.8.10		No Plan		No Plan		No Plan
20.8.10		No Plan		No Plan		No Plan
21.8.10		No Plan		No Plan		No Plan
22.8.10		No Plan		No Plan		No Plan



## CDM – Executive Board

23.8.10		No Plan		No Plan		No Plan
24.8.10		No Plan		No Plan		No Plan
25.8.10		No Plan		No Plan		No Plan
26.8.10		No Plan		No Plan		No Plan
27.8.10	5	No Plan		No Plan		No Plan
28.8.10	14	No Plan		No Plan		No Plan
29.8.10	9	No Plan		No Plan		No Plan
30.8.10		No Plan		No Plan		No Plan
31.8.10	2	No Plan		No Plan		No Plan
1.9.10	0	No Plan	2	No Plan		No Plan
2.9.10	0	No Plan	12	No Plan		No Plan
3.9.10	0	No Plan		No Plan		No Plan
4.9.10	0	No Plan	12	No Plan		No Plan
5.9.10	0	No Plan	20	No Plan		No Plan
6.9.10	0	No Plan	22	No Plan		No Plan
7.9.10	0	No Plan		No Plan		No Plan
8.9.10	0	No Plan		No Plan		No Plan
9.9.10	21	No Plan		No Plan		No Plan
10.9.10	11	No Plan		No Plan		No Plan
11.9.10	22	No Plan		No Plan		No Plan
12.9.10		No Plan		No Plan		No Plan
13.9.10		No Plan		No Plan		No Plan
14.9.10		No Plan		No Plan		No Plan
15.9.10		No Plan		No Plan		No Plan
16.9.10		No Plan		No Plan		No Plan
17.9.10		No Plan		No Plan		No Plan
18.9.10		No Plan		No Plan		No Plan
19.9.10	4	No Plan		No Plan		No Plan





## CDM – Executive Board

20.9.10	2	No Plan	15	No Plan		No Plan
21.9.10		No Plan	13	No Plan		No Plan
22.9.10		No Plan		No Plan		No Plan
23.9.10	8	No Plan	8	No Plan		No Plan
24.9.10	20	No Plan		No Plan		No Plan
25.9.10	22	No Plan		No Plan		No Plan
26.9.10		No Plan	27			No Plan
27.9.10		No Plan	29			No Plan
28.9.10		No Plan	25			No Plan
29.9.10		No Plan	23	No Plan		No Plan
30.9.10	15	No Plan	26			No Plan
1.10.10	25		5	No Plan		No Plan
2.10.10	40			No Plan		No Plan
3.10.10	40			No Plan		No Plan
4.10.10	29			No Plan		No Plan
5.10.10	28			No Plan		No Plan
6.10.10	33			No Plan		No Plan
7.10.10	31			No Plan		No Plan
8.10.10	41			No Plan		No Plan
9.10.10	31		8	No Plan		No Plan
10.10.10	41			No Plan		No Plan
11.10.10	39			No Plan		No Plan
12.10.10	38			No Plan		No Plan
13.10.10	34			No Plan		No Plan
14.10.10	39			No Plan		No Plan
15.10.10	41			No Plan		No Plan
16.10.10	36			No Plan		No Plan
17.10.10		No Plan		No Plan		No Plan



## CDM – Executive Board

18.10.10	28			No Plan		No Plan
19.10.10	42			No Plan		No Plan
20.10.10	41			No Plan		No Plan
21.10.10	36			No Plan		No Plan
22.10.10	40			No Plan		No Plan
23.10.10	41			No Plan		No Plan
24.10.10	43			No Plan		No Plan
25.10.10	45			No Plan		No Plan
26.10.10	37			No Plan		No Plan
27.10.10	32			No Plan		No Plan
28.10.10	30			No Plan		No Plan
29.10.10		No Plan		No Plan		No Plan
30.10.10	13	No Plan		No Plan		No Plan
31.10.10		No Plan	32			No Plan
1.11.10		No Plan	38			No Plan
2.11.10		No Plan	41			No Plan
3.11.10	21	No Plan	8	No Plan		No Plan
4.11.10	38			No Plan		No Plan
5.11.10		No Plan		No Plan		No Plan
6.11.10		No Plan		No Plan		No Plan
7.11.10		No Plan		No Plan		No Plan
8.11.10	36			No Plan		No Plan
9.11.10	41			No Plan		No Plan
10.11.10	40		15	No Plan		No Plan
11.11.10	40		13	No Plan		No Plan
12.11.10	39		19	No Plan		No Plan
13.11.10	33		30			No Plan
16.11.10	31			No Plan		No Plan



## CDM – Executive Board

18.11.10	30			No Plan	35	
19.11.10	23	No Plan		No Plan	29	
21.11.10	30			No Plan	35	
23.11.10	1	No Plan		No Plan	8	No Plan
24.11.10		No Plan		No Plan		No Plan
25.11.10		No Plan		No Plan		No Plan
26.11.10	18	No Plan		No Plan		No Plan
27.11.10	39			No Plan		No Plan
29.11.10		No Plan	3	No Plan	37	
30.11.10		No Plan		No Plan	27	
1.12.10		No Plan		No Plan	29	
2.12.10		No Plan		No Plan	37	
3.12.10		No Plan		No Plan	34	
4.12.10		No Plan		No Plan	29	
5.12.10		No Plan		No Plan	36	
6.12.10		No Plan		No Plan	36	
7.12.10		No Plan		No Plan	29	
8.12.10		No Plan	26		33	
9.12.10		No Plan	39		19	No Plan
10.12.10		No Plan	38		27	
14.12.10	14	No Plan		No Plan	22	No Plan
15.12.10	26			No Plan	26	
16.12.10	11	No Plan		No Plan	39	
17.12.10	14	No Plan		No Plan	35	
18.12.10	2	No Plan		No Plan	24	No Plan
19.12.10		No Plan		No Plan	32	
20.12.10		No Plan		No Plan	7	No Plan
21.12.10		No Plan		No Plan	3	No Plan



## CDM – Executive Board

22.12.10	9	No Plan		No Plan	14	No Plan
23.12.10		No Plan		No Plan	30	
24.12.10		No Plan		No Plan	30	
25.12.10		No Plan		No Plan	34	
26.12.10		No Plan		No Plan		No Plan
27.12.10		No Plan		No Plan		No Plan
28.12.10		No Plan		No Plan		No Plan
29.12.10		No Plan		No Plan		No Plan
30.12.10		No Plan		No Plan		No Plan
31.12.10		No Plan		No Plan		No Plan
1.1.11		No Plan		No Plan		No Plan
2.1.11		No Plan		No Plan		No Plan
3.1.11		No Plan		No Plan		No Plan
4.1.11		No Plan		No Plan	18	No Plan
5.1.11		No Plan		No Plan	9	No Plan
6.1.11		No Plan		No Plan		No Plan
7.1.11		No Plan		No Plan		No Plan
8.1.11		No Plan		No Plan		No Plan
9.1.11		No Plan		No Plan		No Plan
10.1.11	11	No Plan		No Plan		No Plan
11.1.11	32			No Plan		No Plan
12.1.11	13	No Plan		No Plan		No Plan
13.1.11	33		24	No Plan		No Plan
14.1.11	22	No Plan	36			No Plan
15.1.11	31		29			No Plan
16.1.11	23	No Plan	7	No Plan		No Plan
17.1.11	27			No Plan		No Plan
18.1.11		No Plan		No Plan		No Plan



## CDM – Executive Board

19.1.11	11	No Plan		No Plan		No Plan
20.1.11	13	No Plan		No Plan	15	No Plan
21.1.11	9	No Plan		No Plan	23	No Plan
22.1.11		No Plan		No Plan	33	No Plan
23.1.11		No Plan		No Plan	36	
24.1.11		No Plan		No Plan	16	No Plan
25.1.11		No Plan		No Plan	24	No Plan
26.1.11		No Plan		No Plan		No Plan
27.1.11		No Plan		No Plan	16	No Plan
28.1.11		No Plan		No Plan	36	
29.1.11		No Plan		No Plan	38	
30.1.11		No Plan		No Plan	27	
31.1.11		No Plan		No Plan	38	
2.2.11	32		37			No Plan
3.2.11	15	No Plan	39			No Plan
4.2.11	40		20	No Plan		No Plan
5.2.11	22	No Plan	14	No Plan		No Plan
6.2.11		No Plan	33			No Plan
7.2.11	12	No Plan	35			No Plan
8.2.11		No Plan	33			No Plan
9.2.11	12	No Plan	29			No Plan
10.2.11	13	No Plan	36			No Plan
11.2.11	12	No Plan	36			No Plan
12.2.11	1	No Plan	22	No Plan		No Plan
13.2.11		No Plan	18	No Plan		No Plan
14.2.11		No Plan	28			No Plan
15.2.11		No Plan	38			No Plan
16.2.11		No Plan	36			No Plan



## CDM – Executive Board

17.2.11		No Plan	28			No Plan
18.2.11		No Plan	37		20	No Plan
19.2.11		No Plan	39		24	No Plan
20.2.11		No Plan	13	No Plan	33	
21.2.11		No Plan		No Plan	1	No Plan
22.2.11		No Plan		No Plan		No Plan
23.2.11		No Plan		No Plan		No Plan
24.2.11		No Plan		No Plan		No Plan
25.2.11		No Plan		No Plan		No Plan
26.2.11		No Plan	23	No Plan		No Plan
27.2.11		No Plan	38			No Plan
28.2.11		No Plan	15	No Plan	3	No Plan
1.3.11		No Plan		No Plan	2	No Plan
2.3.11		No Plan		No Plan	7	No Plan
3.3.11		No Plan		No Plan	5	No Plan
4.3.11		No Plan		No Plan		No Plan
5.3.11		No Plan		No Plan	7	No Plan
6.3.11		No Plan		No Plan	6	No Plan
7.3.11		No Plan		No Plan		No Plan
8.3.11		No Plan		No Plan		No Plan
9.3.11		No Plan		No Plan		No Plan
10.3.11		No Plan		No Plan		No Plan
11.3.11		No Plan		No Plan		No Plan
12.3.11		No Plan		No Plan		No Plan
13.3.11		No Plan		No Plan		No Plan
14.3.11		No Plan		No Plan		No Plan
15.3.11		No Plan		No Plan	10	No Plan
16.3.11		No Plan		No Plan		No Plan



## CDM – Executive Board

17.3.11		No Plan		No Plan	25	
18.3.11		No Plan		No Plan		No Plan
19.3.11		No Plan		No Plan		No Plan
20.3.11		No Plan		No Plan		No Plan
21.3.11	3	No Plan		No Plan		No Plan
22.3.11		No Plan		No Plan		No Plan
23.3.11		No Plan		No Plan		No Plan
24.3.11	2	No Plan		No Plan		No Plan
25.3.11	3	No Plan		No Plan		No Plan
26.3.11	2	No Plan		No Plan		No Plan
27.3.11	1	No Plan		No Plan		No Plan
28.3.11		No Plan	4	No Plan	2	No Plan
29.3.11		No Plan	24	No Plan	6	No Plan
30.3.11		No Plan	6	No Plan	27	
31.3.11		No Plan	28		29	
1.4.11		No Plan	40		31	
2.4.11		No Plan	12	No Plan	42	
3.4.11		No Plan		No Plan	29	
4.4.11		No Plan		No Plan	36	
5.4.11		No Plan	4	No Plan	42	
6.4.11		No Plan	38		42	
7.4.11		No Plan	17	No Plan	42	
8.4.11		No Plan	37		28	
9.4.11		No Plan	36		42	
10.4.11		No Plan	23	No Plan	39	
11.4.11		No Plan	34		33	
12.4.11		No Plan	29		27	
13.4.11		No Plan	9	No Plan	5	No Plan



## CDM – Executive Board

14.4.11		No Plan		No Plan		No Plan
15.4.11		No Plan	26		10	No Plan
16.4.11		No Plan	22	No Plan	27	
17.4.11		No Plan	9	No Plan	38	
18.4.11		No Plan	10	No Plan	36	
19.4.11		No Plan	31		39	
20.4.11		No Plan	28		15	No Plan
21.4.11		No Plan	32		24	No Plan
22.4.11		No Plan	25		41	
23.4.11		No Plan	25		34	
24.4.11		No Plan	31		36	
25.4.11		No Plan	27			No Plan
26.4.11		No Plan	13	No Plan		No Plan
27.4.11		No Plan		No Plan	22	No Plan
28.4.12		No Plan		No Plan	34	
29.4.11		No Plan		No Plan	29	
30.4.11		No Plan		No Plan	18	No Plan
1.5.11		No Plan		No Plan		No Plan
2.5.11		No Plan		No Plan	16	No Plan
3.5.11		No Plan		No Plan	33	
4.5.11		No Plan		No Plan	8	No Plan
5.5.11		No Plan	5	No Plan		No Plan
6.5.11		No Plan		No Plan	13	No Plan
7.5.11		No Plan		No Plan		No Plan
8.5.11		No Plan		No Plan	16	No Plan
9.5.11		No Plan		No Plan	15	No Plan
10.5.11		No Plan		No Plan	28	
11.5.11		No Plan		No Plan	30	



**CDM – Executive Board**

12.5.11		No Plan		No Plan	36	
13.5.11		No Plan		No Plan	42	
14.5.11		No Plan	11	No Plan	39	
15.5.11		No Plan		No Plan	40	
16.5.11		No Plan	17	No Plan	29	
17.5.11		No Plan	8	No Plan	32	
18.5.11		No Plan	19	No Plan	36	
19.5.11		No Plan		No Plan	40	
20.5.11		No Plan		No Plan	38	
21.5.11		No Plan	17	No Plan	39	
22.5.11		No Plan	4	No Plan	39	
23.5.11		No Plan	4	No Plan	41	
24.5.11		No Plan		No Plan	42	
25.5.11		No Plan	7	No Plan	40	
26.5.11		No Plan	5	No Plan	33	
27.5.11	2	No Plan		No Plan	38	
28.5.11		No Plan	6	No Plan	41	
30.5.11		No Plan	40		42	

Annex III

## CONTACT INFORMATION ON PARTICIPANT

Organization:	Hindustan Unilever Limited
Street/P.O.Box:	B. D. Sawant Marg, Chakala, Andheri (E)
Building:	Unilever House
City:	Mumbai
State/Region:	Maharashtra
Postfix/ZIP:	400099
Country:	India
Telephone:	+91-22-39830000
FAX:	+91-22-28249404
E-Mail:	<a href="mailto:Ram.Bhadouria@unilever.com">Ram.Bhadouria@unilever.com</a>
URL:	<a href="http://www.hul.co.in">www.hul.co.in</a>
Represented by:	
Title:	Sr. Technology Manager
Salutation:	Mr.
Last Name:	Bhadouria
Middle Name:	Singh
First Name:	Ram Kailash
Department:	Manufacturing Excellence
Mobile:	+91 9730018773
Direct FAX:	+91-22-28249404
Direct tel:	+91-22-39832433
Personal E-Mail:	<a href="mailto:Ram.Bhadouria@unilever.com">Ram.Bhadouria@unilever.com</a>