

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

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* as contained within the document entitled "Guidelines for completing the monitoring report form (CDM-MR)" (EB 54 meeting report, annex 34).

MONITORING REPORT
Version 01 dated 04/05/2011

**Chambal Power Limited's (CPL) proposed 7.5 MW biomass based power project at Rangpur,
Kota District, Rajasthan, India**
Reference Number: 0347
**Seventh Monitoring Report for the Project activity: 01/10/2010 to 31/03/2011 (Both days
Included)**

SECTION. A. General description of the project activity

A.1. Brief description of the project activity: >>

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A brief description of the registered CDM project activity UN0347 "Chambal Power Limited's (CPL) proposed 7.5 MW biomass based power project at Rangpur, Kota District, Rajasthan, India" is as provided below.

1) Purpose of Project Activity:

Suryachambal Power Limited has established a biomass based grid connected power plant at village Rangpur, Kota district, Rajasthan, India. The main purpose of the project is to generate and export eco friendly biomass generated power to the Rajasthan Rajya Vidyut Prasaran Nigam Limited (RRVPL), which is a Transmission company of the Rajasthan State Electricity Board (RSEB) and a part of the Integrated Northern Eastern Western North-Eastern Grid (NEWNE) formerly known as Northern Regional Electricity Grid. CPL has implemented a modern 7.5 MW Power Project based on mustard husk and stalks, corn cobs, bagasse and other available agricultural wastes as fuel. The project exports surplus power to RRVPL after meeting the in-house auxiliary demand.

2) Technology Employed:

The power plant is based on Rankine Cycle. The steam generator is designed to operate on any biomass like mustard and soya husk and stalks, corncobs and bagasse to ensure consistent plant efficiency. One 35 TPH, 67 kg/cm², 450 +/- 5°C high pressure boiler and a single bleed cum condensing steam turbine generator (STG) of 7.5 MW capacity are installed at the plant site. The 35 TPH of steam from boiler is fed into condensing turbine. The boiler is of fluidized bed combustion (FBC) type and will have the advantages of high thermal and combustion efficiency reducing quantity of husk needed, to a minimum, automatic operation for consistent high efficiencies and reduced need for manpower. Steam turbine of fully condensing mode with suitable alternator generator is installed for generating electricity. The turbine will be single cylinder, single exhaust fully condensing type, designed for high operating efficiencies and maximum reliability. Along with the new 35-TPH boiler and the 7.5-MW turbo-generator (TG), the other auxiliary units of the plant would include: fuel handling system with storage and processing arrangements; ash handling system; air pollution control devices; cooling water system and cooling tower; de-mineralized (DM) water plant; compressed air system; fire protection system; air conditioning and ventilation; complete electrical system for power plant and grid interconnection including power evacuation, instrumentation and control systems etc.

3) Relevant dates for Project Activity:

The Construction Activity of this project was started in 2004 and subsequently the Plant was commissioned on 31st March 2006 when the power generated by the unit was fed to the RVPNL Grid. This power plant is under operation 31st March 2006 onwards round the year. Relevant dates for the project activity are mentioned as below:

Project Commissioned: 31/03/2006
CDM Registration date: 08/05/2006
1st Monitoring Period: 01/03/2006 to 30/06/2007
2nd Monitoring Period: 01/07/2007 to 31/12/2007
3rd Monitoring Period: 01/01/2008 to 31/08/2008
4th Monitoring Period: 01/09/2008 to 31/03/2009
5th Monitoring Period: 01/04/2009 to 31/01/2010
6th Monitoring Period: 01/02/2010 to 30/09/2010
7th Monitoring Period: 01/10/2010 to 31/03/2011 (Current One)

4) Emission Reductions for the monitoring period:

The total actual emission reductions achieved in this monitoring period (01/10/2010 to 31/03/2011) are 19,138 tCO₂e.

A.2. Project Participants

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- Suryachambal Power Limited, India
- EcoSecurities Capital Ltd., United Kingdom of Great Britain and Northern Ireland
- EcoSecurities Capital Ltd., Switzerland
- Effinergy Trading Ltd., Switzerland
- Bunge Emissions Fund Limited, Switzerland

A.3. Location of the project activity:

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The project is located at Rangpur village area of Kota District, Rajasthan State, India, which is about 8 km from Kota railway station towards north direction and about 1 km south of village Rangpur. The latitude & longitude of the site are 25°16'36'' North & 75°56'22'' East. The location map is as follows:



A.4. Technical description of the project

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The power plant is based on Rankine Cycle. The steam generator is designed to operate on any biomass like mustard and soya husk and stalks, corncobs and bagasse to ensure consistent plant efficiency even in times of biomass efficiency, if any. There will be one 35 TPH, 67 kg/cm², 450 +/- 5°C high pressure boiler and a single bleed cum condensing steam turbine generator (STG) of 7.5 MW capacity.

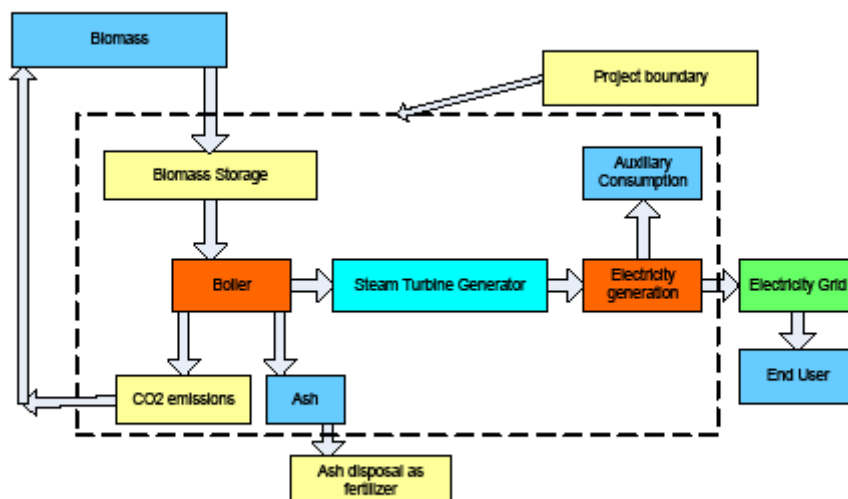
The 35 TPH of steam from boiler will be fed into condensing turbine. The boiler will be of fluidized bed combustion (FBC) type and will have the advantages of high thermal and combustion efficiency reducing quantity of husk needed, to a minimum, automatic operation for consistent high efficiencies and reduced need for manpower.

Steam turbine of fully condensing mode with suitable alternator generator will be installed for generating electricity. The turbine will be single cylinder, single exhaust fully condensing type, designed for high operating efficiencies and maximum reliability.

Along with the new 35-TPH boiler and the 7.5-MW turbo-generator (TG), the other auxiliary units of the plant would include: fuel handling system with storage and processing arrangements; ash handling system; air pollution control devices; cooling water system and cooling tower; de-mineralized (DM) water plant; compressed air system; fire protection system; air conditioning and ventilation; complete

electrical system for power plant and grid interconnection including power evacuation, instrumentation and control systems etc.

A pictorial representation of the technical process is provided as below.



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

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The approved baseline and monitoring methodology applied to the project activity is: “Grid connected renewable electricity generation”, AMS 1D. (Version 7) dated 27th November 2005.

A.6. Registration date of the project activity:

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8th May 2006

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

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01 Mar 06 - 28 Feb 13 (Renewable)

A.8. Name of responsible person(s)/entity(ies):

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Mr. S. R. Wagle
Director,
Suryachambal Power Limited
82, Veer Nariman Road
7, Nagin Mahal, Churchgate, Mumbai
Maharashtra – 400020
Phone: +91 – 22 – 22874323/ 22850341, FAX: +91 – 22 – 22046206
Email: Power@chambalpower.com

SECTION B. Implementation of the project activity

B.1. Implementation status of the project activity

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The project was started on 01/03/2004 and commissioned on 31st March 2006. The power generated and commissioning date was dispatched to the Grid and the plant is in continuous in operation since then.

1. There is only one project site for the project activity, the project activity has been fully implemented and commissioned. The start date of operation of the project activity is 31st March 2006, when the project started exporting electricity to the grid.
2. The down time considered for similar unit is about 35 days in a year as about 20 days required for annual inspection of Boiler and upgrading the equipments and maintenance. Another 15 days of stoppage are considered due to sudden machinery breakdown, Grid related problem.

Plant Performance during the period 01/10/2010 to 31/03/2011

Month	Shut down time (hrs)
October - 10	205.40
November – 10	90.45
December - 10	119.00
January - 11	146.17
February - 11	215.25
March - 11	161.30
Total	937.57

We have not so far observed any abnormality till date, which may affect the applicability of the applied methodology. No event or situation has occurred during the monitoring period, which may impact the applicability of the methodology.

B.2. Revision of the monitoring plan

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Monitoring Plan is revised during second verification of the project activity and same has been approved by CDM Executive Board on 10/08/2008. The registered monitoring plan was revised to include grid emission factor as ex-post monitoring parameter in monitoring plan.

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

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Not Applicable

B.4. Notification or request of approval of changes

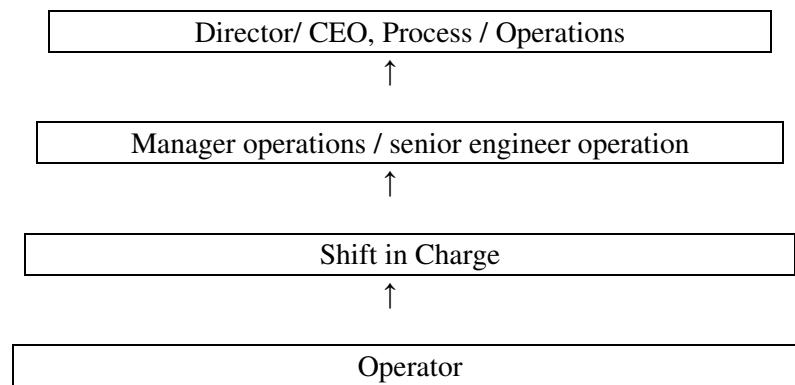
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Not Applicable

SECTION C. Description of the monitoring system

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The Following structure of monitoring and reporting-



Role and responsibility:-

1) Director/ CEO, Process / Operations:-

- Decision on the contents of the training program
- Ensuring implementation of monitoring procedures
- Internal audit and project conformance review

2) Manager operations / senior engineer operation:-

- Organizing and conduct training program
- Implementing all monitoring control procedure
- Association with Manager QA toward maintenance and calibration of monitoring equipment
- Has the overall responsibility for record handling and maintenance
- Reviewing of records and dealing with monitoring data
- Organizing internal audit for checking the data recorded
- Has the overall responsibility for closing project non conformance and Implementing Corrective actions before the verification

3) Shift In charge:-

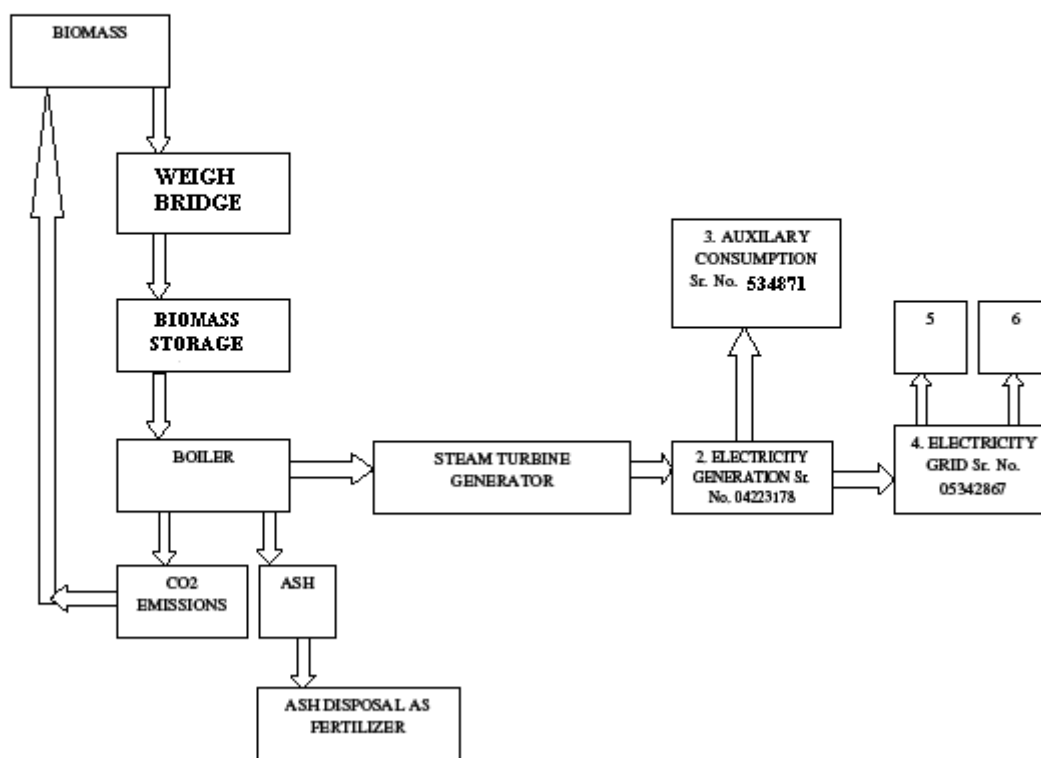
- Supervision and training the operators and maintaining training records
- Has the overall responsibility of monitoring measurement and reporting
- Will assist the Manager Operations in record handling, record checks and review during internal audit
- Check the data recorded by the operation in the individual sections as described in section D.3 under tables 3a and 3b respectively

4) Operator:-

The responsibility of operator to record appropriate data of the project activities represented in the monitoring table. Based on the monitoring frequency, the operator will measure and record the data in the logbook as per the instruction of his supervisor. The operational procedures for the training ,emergency preparedness, maintenance and calibration of monitoring equipment, monitoring measurements and reporting, record handling and maintenance , reviewing monitoring data, internal audit, performance reviews and corrective action are available at the plant.

SCPL – MONITORING REPORT

A pictorial representation of the location of the monitoring equipment involved in project activities: -



Monitoring Equipment Calibration Details

S.No.	Details of Meter	Sr. No. of Meter	Date of Calibration	Date of Previous Calibration
1	Weigh Bridger	272	21/02/2011	08/04/2010
2	Generation Meter	04223178	12/08/2010	12/08/2009
3	Auxiliary Consumption Meter	05-10-UNI-117 (Old) 10-05-UNI-6756 (New)	- 12/08/2010	12/08/2009 -
4	Export Meter (Plant)	05342867	12/08/2010	12/08/2009
5	Export Meter, Main (GSS)	5294806	12/08/2010	12/08/2009
6	Export Meter, Check (GSS)	5293314	12/08/2010	12/08/2009

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

(Copy this table for each data and parameter. To report multiple values, a table may be used)

Data / Parameter:	Density of fuel
Data unit:	Kg/Litre

Description:	Here fuel is referred to diesel which being consumed while biomass transporting to the project site.
Source of data used:	Paper
Value(s) :	0.89
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	Leakage emission calculations
Additional comment:	Density of fuel (Diesel) had been measured in house laboratory through sample testing. This parameter will be fixed through out crediting period.

Data / Parameter:	Capacity of vehicle
Data unit:	MT
Description:	This parameter referred to capacity of the vehicle being used for transportation of biomass to the project site.
Source of data used:	Paper
Value(s) :	Truck 10 MT and Trolley 3.5 MT
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	Leakage emission calculations
Additional comment:	This parameter indicates capacity of the vehicle transporting biomass to be project site and it will be fixed for through out crediting period.

Data / Parameter:	Coal Caloric Value
Data unit:	Kcal/Kg
Description:	This parameter referred to calorific value of fossil fuel (Coal) used if any
Source of data used:	Paper
Value(s) :	-
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	Leakage emission calculations
Additional comment:	Not applicable as no fossil fuel (Coal) is used since start of the project activity as well as in current monitoring period.

D.2. Data and parameters monitored	
Data / Parameter:	Total electricity generated
Data unit:	kWh
Description:	This parameter referred to electricity generation from the project activity measured in plant premises.
Measured /Calculated /Default:	Measured
Source of data:	Log book record (Electronically archived)
Value(s) of monitored parameter:	26,765,800
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	Baseline

Monitoring equipment (type, accuracy class, serial number, calibration frequency, date of last calibration, validity)	Monitoring equipment – Energy Meter Type- ER300P Accuracy class- 0.2 Serial number- 4223178 Calibration frequency- Annual Date of last calibration –12/08/10, (Previous calibration date 12/08/09) Validity- Till 12/08/11
Measuring/ Reading/ Recording frequency:	Shift wise
Calculation method (if applicable):	-
QA/QC procedures applied:	ISO 9001 or similar type of system will be used and the same procedure are available at the project site, this data is being continuously monitored through DCS

Data / Parameter:	Auxiliary Consumption
Data unit:	KWh
Description:	This parameter referred to electricity Auxiliary Consumption by the project activity measured in plant premises.
Measured /Calculated /Default:	Measured
Source of data:	Log book record (Electronically archived)
Value(s) of monitored parameter:	2,298,914
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	Baseline
Monitoring equipment (type, accuracy class, serial number, calibration frequency, date of last calibration, validity)	Monitoring equipment – Energy Meter Type- Power Pro Accuracy class- 1.0 Serial number- 10-05-UNI-6756 Calibration frequency- Annual Date of last calibration – 12/08/10 , (Previous calibration date- Test certificate dated 18/05/10) Validity- Till 12/08/11
Measuring/ Reading/ Recording frequency:	Shift wise
Calculation method (if applicable):	-
QA/QC procedures applied:	ISO 9001 or similar type of system will be used and the same procedure are available at the project site, this data is being continuously monitored through DCS

Data / Parameter:	Power Export
Data unit:	kWh
Description:	This parameter referred to electricity Export to the grid by the project activity and it is being measured at RRVPNL
Measured /Calculated /Default:	Measured
Source of data:	Joint Meter Reading (Electronically archived)
Value(s) of monitored parameter:	23,644,710

Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	Baseline
Monitoring equipment (type, accuracy class, serial number, calibration frequency, date of last calibration, validity)	Monitoring equipment – Energy Meter Type- ER300P Accuracy class- 0.2 Serial number- 5294806 Main Meter, 5293314 Check Meter Calibration frequency- Annual Date of last calibration –12/08/10, (Previous calibration date – 12/08/09) Validity- Till 12/08/11
Measuring/ Reading/ Recording frequency:	Shift wise
Calculation method (if applicable):	-
QA/QC procedures applied:	ISO 9001 or similar type of system will be used and the same procedures are available at the project site. Joint Meter Reading are being taken in presence of RRVPNL official and PP repetitive.

Data / Parameter:	Biomass Quantity
Data unit:	MT
Description:	This parameter referred to Quantity of Biomass transported to the project site.
Measured /Calculated /Default:	Measured
Source of data:	Weigh Bridge Register (Archived on paper)
Value(s) of monitored parameter:	55,687 MT
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	Leakage Emission Calculation
Monitoring equipment (type, accuracy class, serial number, calibration frequency, date of last calibration, validity)	Monitoring equipment –Weigh Bridge Type- Electronic Road Weigh Bridge Accuracy class- 5kg Serial number- 272 Calibration frequency- Annual Date of last calibration – 21/02/2011,(Previous calibration date – 08/04/2010) Validity- Till 21/02/2012 as per calibration certificate.
Measuring/ Reading/ Recording frequency:	Daily
Calculation method (if applicable):	-
QA/QC procedures applied:	ISO 9001 or similar type of system will be used and the same procedure are available at the project site

Data / Parameter:	Biomass Calorific Value
Data unit:	Kcal/Kg
Description:	This parameter referred to Calorific Value of the biomass being used in project activity.

Measured /Calculated /Default:	Measured
Source of data:	Laboratory record (Archived on paper)
Value(s) of monitored parameter:	3170.08 (Average)
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	Leakage Emission Calculation
Monitoring equipment (type, accuracy class, serial number, calibration frequency, date of last calibration, validity)	<p>Monitoring equipment – Bomb Calorimeter Type- Macro Scientific Works, MSW - 506 Accuracy class- 0.1 Serial number- 3284 Calibration frequency- Annual Date of last calibration –04/09/2010, (Previous calibration date-29/08/2009) This parameter is not at all related to emission reduction calculations. Thus it's not possible to identify conservative side of this parameter due to its independence from emission reduction calculations for the project activity. Hence EB 52 Annex 60 is not applicable for monitoring parameter GCV. Validity- Till 03/09/2011</p>
Measuring/ Reading/ Recording frequency:	Fortnightly
Calculation method (if applicable):	-
QA/QC procedures applied:	ISO 9001 or similar type of system will be used and the same procedure are available at the project site

Data / Parameter:	Coal Quantity
Data unit:	MT
Description:	This parameter referred to coal consumption in the project activity if any
Measured /Calculated /Default:	Measured
Source of data:	Log Book records (Archived on paper)
Value(s) of monitored parameter:	-
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	Leakage Emission Calculation
Monitoring equipment (type, accuracy class, serial number, calibration frequency, date of last calibration, validity)	<p>Monitoring equipment –Weigh Bridge Type- Electronic Road Weigh Bridge Accuracy class- 5kg Serial number- 272 Calibration frequency- Annual Date of last calibration – 21/02/2011,(Previous calibration date – 08/04/2010) Validity- Till 21/02/2012 as per calibration certificate. It is being used for Quantity of Biomass transported, the same can be used for Coal quantity also, if required</p>
Measuring/ Reading/ Recording frequency:	Daily, Coal is not used since start of the project activity as well as in current monitoring period.

Calculation method (if applicable):	-
QA/QC procedures applied:	Yes, ISO 9001 or similar type of system will be used and the same procedure are available at the project site

Data / Parameter:	Distance of procurement
Data unit:	Km
Description:	This parameter referred to distance of procurement of biomass for the project activity.
Measured /Calculated /Default:	Calculated
Source of data:	Gate Entry slip, Letter from biomass supplier. (Archived on Paper)
Value(s) of monitored parameter:	40
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	Leakage Emission calculation
Monitoring equipment (type, accuracy class, serial number, calibration frequency, date of last calibration, validity)	-
Measuring/ Reading/ Recording frequency:	Daily
Calculation method (if applicable):	This parameter is being calculated at vehicle entry gate and at is being recorded in gate entry slip.
QA/QC procedures applied:	ISO 9001 or similar type of system will be used and the same procedure are available at the project site

Data / Parameter:	Mileage of Vehicles
Data unit:	Km/Litre
Description:	This parameter referred to the mileage of the vehicle being used for transportation of biomass to be project site.
Measured /Calculated /Default:	Estimated
Source of data:	Letter from biomass supplier (Archived on paper)
Value(s) of monitored parameter:	3.5
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	Leakage emission calculation
Monitoring equipment (type, accuracy class, serial number, calibration frequency, date of last calibration, validity)	-
Measuring/ Reading/ Recording frequency:	Monthly
Calculation method (if applicable):	

QA/QC procedures applied:	ISO 9001 or similar type of system will be used and the same procedure are available at the project site
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Data / Parameter:	Northern Grid CO2 emission Factor
Data unit:	tCO2/MWh
Description:	This parameter being used for calculation of base line emission of the project activity.
Measured /Calculated /Default:	Calculated by Central Electricity Authority
Source of data:	CEA data base version 6.0
Value(s) of monitored parameter:	0.8233
Indicate what the data are used for (Baseline/ Project/ Leakage emission calculations)	Baseline emission calculation
Monitoring equipment (type, accuracy class, serial number, calibration frequency, date of last calibration, validity)	-
Measuring/ Reading/ Recording frequency:	Annual
Calculation method (if applicable):	Latest CEA data base is used for the calculation of weighted average grid emission factor.
QA/QC procedures applied:	

SECTION E. Emission reductions calculation

E.1. Baseline emissions calculation

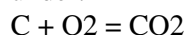
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If in the project activity only biomass fuel is used then the emissions from the project activity will be 'nil'.

If any supplementary fossil fuel (*e.g.* coal) is used with biomass then the emissions will be calculated based on this formula:

CO2 Emission (kg) = Stoichiometric CO2 release from carbon content in coal (based on total carbon content)

To have an estimate of the project CO2 emission quantity due to combustion of coal along with the biomass, total carbon content of the coal should be known. Combustion reaction for CO2 emission is as under.



Assuming complete combustion of coal, following formula can be used for conservative Estimation of CO2 emissions.

$$CEC = (44 / 12) * C * Q$$

Where,

CEC - Stoichiometric CO2 emission due to coal burning at project, MT

C - Carbon percentage in coal, %

Q - Quantity of coal burned, MT

Baseline Emission Calculations

Baseline emissions will be calculated by multiplying the total power exported to the grid with net baseline emission factor, as applicable for every monitoring period.

$$BE = TP_{exp} \times NEFB$$

Where,

BE – Baseline Emissions per annum (tones/year)
 TP_{exp} – Total clean power export to grid per annum
 NEFB – Net baseline emission factor

Baseline Emissions

Emission Reduction Calculations	Value	Units
CO2 Emission Factor	0.8233	KgCo2/kWh
Net Electricity Exported	23644710	kWh
Total Baseline Emission	19466690	KgCO2e
Total Baseline emission	19466	TCO2e

E.2. Project emissions calculation

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No project emissions are involved for the project activity as no fossil fuel i.e. coal is consumed in the project activity ever since start of the project activity.

E.3. Leakage calculation

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The leakage activity identified, which contributes for GHG emissions outside the project boundary is transportation of biomass from biomass collection centers to biomass power project site.

Leakage will be calculated as per below:

$$Leakage = \frac{Q_{bio} \times D_p \times N_y \times D_n \times C_v \times C_f \times E_f}{C_t \times M}$$

Q_{bio} = Quantity of biomass transported (MT/day)

C_t = Capacity of truck/ vehicle carrying biomass (MT)

D_p = Distance of procurement including return journey of vehicle (km)

M = Mileage of vehicle (km/litre)

N_y = No of days in a year

D_n = Density of fuel (Kg/Litre)

C_v = Calorific value of fuel (Kcal/ kg)

C_f = Conversion factor from Kcal to Trillion Joules (TJ)

E_f = Emission factor of fuel (ton CO₂/ TJ)

1	Bio mass quantity	MT	58081
2	Bio mass calorific	KCal/kg	As per Annexure 4

	value		
3	Coal quantity	MT	0
4	Coal calorific value	KCal/kg	NA
5	Average distance of procurement	Km	40 Km
6	Mileage of vehicle	Km/Liter	Truck - 3.5 Tractor – 3.5
7	Density of fuel	Kg/Liter	0.89
8	Average capacity of vehicle	MT	Truck – 10.0 Trolley – 3.5
9	Leakage emission	tCO ₂	328

E.4. Emission reductions calculation / table

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Emission Reduction Calculation

The emission reductions will be calculated as per the equation:

$$ER = BE - NEP$$

Where,

ER - CO₂ Emission reduction per annum by project activity (tCO₂/year)

BE - Baseline Emissions per annum (tCO₂/year)

NE_p - Net emissions by project activity (tCO₂/year)

Baseline Emissions

Emission Reduction Calculations	Value	Units
CO ₂ Emission Factor	0.8233	KgCo ₂ / kWh
Net Electricity Exported	23644710	kWh
Total Baseline Emission	19466690	KgCO ₂ e
Total Baseline emission	19466	TCO ₂ e

Project Emissions

	Unit	Quantity
Coal Consumption	Mt	0
Carbon %	%	0
Project emission	tCO ₂ e	0

Leakage

	Units	Trucks	Tractors
Biomass transported	MT	31360	24327
Capacity of each vehicle	MT	10	3.5
Average distance of procurement	Km	40	40
Mileage	Km/Liter	3.5	3.5
Density of diesel	Kg/Liter	0.89	0.89

Calorific value of diesel	KCal/kg	10272	10272
Conversion factor	TJ/Kcal	4.186E-09	4.186E-09
Co2 emission factor	TCO2e/TJ	74.1	74.1
Annual GHG emissions	TCO2e	102	226

Emission Reductions

Total baseline emissions	19466	tCO2e
Project emissions	0	tCO2e
Leakage	328	tCO2e
Emission reduction	19138	tCO2e

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

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Comparison Between actual emission reduction and estimated reduction-
For the period October 2010 to March 2010

Item	Values applied in ex-ante calculation of the registered CDM-PDD	Actual values reached during the monitoring period
Emission reductions (tCO₂e)	25094	19138

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

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Net CER emission reduction reduced due to-

1. Reduction in CO2 emission factor (Net weight Average tCO₂/MWh) from 0.94288 to 0.8233
2. Less electricity unit supplied to DISCOMs due to plant shut down.
3. Excess leakage emission due to more biomass transport during the period, due to procurement season of biomass.

History of the document

Version	Date	Nature of revision
01	EB 54, Annex 34 28 May 2010	Initial adoption.
Decision Class: Regulatory Document Type: Guideline, Form Business Function: Issuance		