

2015/8/6-2016/10/31	22	EC _{PJ,22,p}	Electricity consumption by project RACs group 22 during the period p		MWh	Option C	Monitored data	NA	monitored continuously, recorded monthly	if $n < 22$, then the parameter is 0
2015/8/6-2016/10/31	23	EC _{PJ,23,p}	Electricity consumption by project RACs group 23 during the period p		MWh	Option C	Monitored data	NA	monitored continuously, recorded monthly	if $n < 23$, then the parameter is 0
2015/8/6-2016/10/31	24	EC _{PJ,24,p}	Electricity consumption by project RACs group 24 during the period p		MWh	Option C	Monitored data	NA	monitored continuously, recorded monthly	if $n < 24$, then the parameter is 0
2015/8/6-2016/10/31	25	EC _{PJ,25,p}	Electricity consumption by project RACs group 25 during the period p		MWh	Option C	Monitored data	NA	monitored continuously, recorded monthly	if $n < 25$, then the parameter is 0
2015/8/6-2016/10/31	26	η_{REF}	Highest energy efficiency (CSPF) of reference RACs	3.2	Dimensionless	Option A	test report	Determined at a third party testing facility which is equipped with a calorimeter capable of determining CSPF in line with ISO5151, following the testing procedures and conditions outlined in the latest version of Vietnamese National Standard TCVN 7831 at the time of CSPF determination. Choose the highest value measured.	once during the project life	fixed ex-post
2015/8/6-2016/10/31	27	η_{PJ}	Lowest energy efficiency (CSPF) of project RACs	5.0	Dimensionless	Option A	test report	Determined at a third party testing facility which is equipped with a calorimeter capable of determining CSPF in line with ISO5151, following the testing procedures and conditions outlined in the latest version of Vietnamese National Standard TCVN 7831 at the time of CSPF determination. Choose the highest value measured.	once during the project life	fixed ex-post

Table 2: Project-specific parameters fixed ex ante

(a) Parameters	(b) Description of data	(c) Estimated Values	(d) Units	(e) Source of data	(f) Other comments
EF _{elec}	CO ₂ emission factor of the electricity consumed by project RACs When captive power generation is not available at the project site, then the most recent Vietnamese national grid emission factor [EF _{grid}] available at the time of validation is applied as [EF _{elec}] and fixed for the monitoring period thereafter. When captive power generation is available at the project site, then [EF _{elec}] is conservatively selected as below and fixed for the monitoring period thereafter: EF _{elec} = min (EF _{grid} , EF _{captive}) EF _{captive} = 0.8 tCO ₂ /MWh* * The most recent emission factor available from CDM approved small scale methodology AMS-I.A at the time of validation is applied.	0.560	tCO ₂ /MWh	[EF _{grid}] Ministry of Natural Resources and Environment of Vietnam (MONRE), Vietnamese DNA for CDM unless otherwise instructed by the Joint Committee. [EF _{captive}] CDM approved small scale methodology: AMS-I.A	CM value for 2012, published by MONRE in 2014
n	Number of RACs groups whose aggregate electricity consumption are measured by one electricity meter	21	Dimensionless	The project proponent selects an integer between 1 and 25 in line with the number of RACs groups included in the project.	1 to 10 : 115 Hospital in HCMC 11 to 21: Viet Duc Hospital in Hanoi

Table3: Ex-post calculation of CO₂ emission reductions

Monitoring period	CO ₂ emission reductions	Units
2015/8/6-2016/10/31	726	tCO ₂ /p

[Monitoring option]

Option A	Based on public data which is measured by entities other than the project participants (Data used: publicly recognized data such as statistical data and specifications)
Option B	Based on the amount of transaction which is measured directly using measuring equipments (Data used: commercial evidence such as invoices)
Option C	Based on the actual measurement using measuring equipments (Data used: measured values)

Monitoring Report Sheet (Calculation Process Sheet) [For Verification]

1. Calculations for emission reductions		Fuel type	Value	Units	Parameter
Emission reductions during the period p		N/A	726.3	tCO ₂ /p	ER _p
2. Selected default values, etc.					
3. Calculations for reference emissions					
Reference emissions during the period p		N/A	1,989.4	tCO ₂ /p	RE _p
CO ₂ emission factor of the electricity consumed by project RACs		electricity	0.560	tCO ₂ /MWh	EF _{elec}
4. Calculations of the project emissions					
Project emissions during the period p		N/A	1,263.1	tCO ₂ /p	PE _p
Electricity consumption by project RACs during the period p		electricity	2,254	MWh/p	ΣEC _{PJ,i,p}
CO ₂ emission factor of the electricity consumed by project RACs		electricity	0.560	tCO ₂ /MWh	EF _{elec}

2015/10/13-2016/10/31	22	EC _{PJ,22,p}	Electricity consumption by project RACs group 22 during the period p		MWh	Option C	Monitored data	NA	monitored continuously, recorded monthly	if $n < 22$, then the parameter is 0
2015/10/13-2016/10/31	23	EC _{PJ,23,p}	Electricity consumption by project RACs group 23 during the period p		MWh	Option C	Monitored data	NA	monitored continuously, recorded monthly	if $n < 23$, then the parameter is 0
2015/10/13-2016/10/31	24	EC _{PJ,24,p}	Electricity consumption by project RACs group 24 during the period p		MWh	Option C	Monitored data	NA	monitored continuously, recorded monthly	if $n < 24$, then the parameter is 0
2015/10/13-2016/10/31	25	EC _{PJ,25,p}	Electricity consumption by project RACs group 25 during the period p		MWh	Option C	Monitored data	NA	monitored continuously, recorded monthly	if $n < 25$, then the parameter is 0
2015/10/13-2016/10/31	26	η_{REF}	Highest energy efficiency (CSPF) of reference RACs	3.2	Dimensionless	Option A	test report	Determined at a third party testing facility which is equipped with a calorimeter capable of determining CSPF in line with ISO5151, following the testing procedures and conditions outlined in the latest version of Vietnamese National Standard TCVN 7831 at the time of CSPF determination. Choose the highest value measured.	once during the project life	fixed ex-post
2015/10/13-2016/10/31	27	η_{PJ}	Lowest energy efficiency (CSPF) of project RACs	4.4	Dimensionless	Option A	test report	Determined at a third party testing facility which is equipped with a calorimeter capable of determining CSPF in line with ISO5151, following the testing procedures and conditions outlined in the latest version of Vietnamese National Standard TCVN 7831 at the time of CSPF determination. Choose the lowest value measured.	once during the project life	fixed ex-post

Table 2: Project-specific parameters fixed ex ante

(a) Parameters	(b) Description of data	(c) Estimated Values	(d) Units	(e) Source of data	(f) Other comments
EF _{elec}	CO ₂ emission factor of the electricity consumed by project RACs When captive power generation is not available at the project site, then the most recent Vietnamese national grid emission factor [EF _{grid}] available at the time of validation is applied as [EF _{elec}] and fixed for the monitoring period thereafter. When captive power generation is available at the project site, then [EF _{elec}] is conservatively selected as below and fixed for the monitoring period thereafter: EF _{elec} = min (EF _{grid} , EF _{captive}) EF _{captive} = 0.8 tCO ₂ /MWh* * The most recent emission factor available from CDM approved small scale methodology AMS-I.A at the time of validation is applied.	0.560	tCO ₂ /MWh	[EF _{grid}] Ministry of Natural Resources and Environment of Vietnam (MONRE), Vietnamese DNA for CDM unless otherwise instructed by the Joint Committee. [EF _{captive}] CDM approved small scale methodology: AMS-I.A	CM value for 2012, published by MONRE in 2014
n	Number of RACs groups whose aggregate electricity consumption are measured by one electricity meter	21	Dimensionless	The project proponent selects an integer between 1 and 25 in line with the number of RACs groups included in the project.	1 to 10 : 115 Hospital in HCMC 11 to 21: Viet Duc Hospital in Hanoi

Table3: Ex-post calculation of CO₂ emission reductions

Monitoring period	CO ₂ emission reductions	Units
2015/10/13-2016/10/31	152	tCO ₂ /p

[Monitoring option]

Option A	Based on public data which is measured by entities other than the project participants (Data used: publicly recognized data such as statistical data and specifications)
Option B	Based on the amount of transaction which is measured directly using measuring equipments (Data used: commercial evidence such as invoices)
Option C	Based on the actual measurement using measuring equipments (Data used: measured values)

Monitoring Report Sheet (Calculation Process Sheet) [For Verification]

1. Calculations for emission reductions		Fuel type	Value	Units	Parameter
Emission reductions during the period p		N/A	152.6	tCO ₂ /p	ER _p
2. Selected default values, etc.					
3. Calculations for reference emissions					
Reference emissions during the period p		N/A	552.7	tCO ₂ /p	RE _p
CO ₂ emission factor of the electricity consumed by project RACs		electricity	0.560	tCO ₂ /MWh	EF _{elec}
4. Calculations of the project emissions					
Project emissions during the period p		N/A	400.2	tCO ₂ /p	PE _p
Electricity consumption by project RACs during the period p		electricity	714	MWh/p	ΣEC _{PJ,i,p}
CO ₂ emission factor of the electricity consumed by project RACs		electricity	0.560	tCO ₂ /MWh	EF _{elec}