Monit	onitoring Report Sheet (input Sheet) [For Verification]								
Table	1: Parameters monitored e	ex post		Table 2: Project-specific parameters fixed ex ante					
(a)	Monitoring period	01/07/2017-31/12/2017	01/07/2017–31/12/2017						
(b)	Monitoring point No.	1	2						
(c)	Parameters	PP _{j,p}	EC _{PJ.ip}	(a) Pa	Parameters EF _{elec}		SEC _{RE}		
(d)	Description of data	Paper production measured at the PM line connected to the project OCC line <i>j</i> during the period <i>p</i>	Electricity consumption by the project OCC line <i>j</i> during the period <i>p</i>	(b) Des	cription of data	CO ₂ emission factor for consumed electricity	Reference specific electricity consumption of the OCC line		
(e)	Units	ton/p	MWh/p	(c) Units tCO ₂ /MWh M		MWh/ton			
(f)	Monitoring option	Option C	Option C			The most recent value available at the time of validation is applied			
(g)	Source of data	Monitored data	Monitored data			and fixed for the monitoring period thereafter. The data is sourced			
(h)	Measurement methods and procedures	Measuring equipment is installed to the PM line connected to the project OCC line j—for this project, the project line is unique, so the suffix j is antited—to measure volume of paper production. Measurement is conducted as follows: - Measured data is automatically transmitted to the remote server/PC for recording. - Data recorded in the remote server/PC is reported and double-checked by a responsible staff on a monthly basis to prevent missing data. In case a calibration certificate issued by an entity accredited under national/international standards is not provided, such measuring equipment is required to be calibrated base on the national regulation or manufacturer's recommendations.	Measuring equipment is installed to the project OCC line j—for this project, the project line is unique, so the suffix j is omotted—to measure electricity consumption. Electricity consumption of the OCC line is measured with measuring equipments. - Measured data is automatically transmitted to the remote server/PC for recording. - Data recorded in the remote server/PC is reported and double-checked by a responsible staff on a monthly basis to prevent missing data.	(d) Sou	irce of data	from "Emission Factors of Electricity Interconnection Systems", National Committee on Clean Development Mechanism (Indonesian DNA for CDM), based on data obtained by Directorate General of Electricity, Ministry of Energy and Mineral Resources, Indonesia, unless otherwise instructed by the Joint Committee." [Captive electricity] Specification of the captive power generation system including co- generation system provided by the manufacturer. Net calorific value (NCVfuel [GJ/mass or weight]) and CO2 emission factor (EFfuel [tCO2/GJ]) of the fuel (EFfuel [tCO2/GJ]) from IPCC as follows. IPCC default values provided in table 1.4 of Ch.1 Vol.2 of 2006 IPCC Guidelines on National GHG Inventories. Lower value is applied.	Data of daily electricity consumption by the OCC line and daily weight of paper product at the PM line connected to the OCC line within two years from the timing of validation of the existing OCC lines at the same factory where the project OCC line(s) is installed.		
(i)	Monitoring frequency	Monitored hourly and recorded monthly for aggregation.	Monitored hourly and recorded monthly for aggregation.			Grid and a gas-based captive power supplies electricity to the			
(j)	Other comments	Compiled data is to be stored electronically after 2 years beyond the end of the JCM project. "ton" implies "BDt (Bone Dry ton)". Weight bridge is to be calibrated as specified in its certificate. It is to be calibrated in accordance with the International Recommendation (OIML R 76-1: 2006).	Compiled data is to be stored electronically after 2 years beyond the end of the JCM project. Electricity meter does not require additional calibration as specified in its specs.	(e) Other comments		facility. Base on the historical (2014) data of ratio of both sources and technical specification of the latter are used to calculate the combined CO2 emission factor of the electricity which is fixed ex ante as per the methodology.	The Line 5 historical data (2016) are used for calculation. The relevant calculation is given by another file.		
(k)	Monitored Value			(f) Estim	ated Value				
	j=1 j=2 j=3 j=4 j=5 j=6 j=7 i=8	109,777.0	11,914.2		j=1 j=2 j=3 j=4 j=5 j=6 j=7 i=8	0.666	0.188		
	j=9 j=10				j=9 j=10				
	[Monitoring option]								

[wonitoring 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 Spreadsheet: JCM_ID_AM012_ver01.0

Reference Number: ID011

Units tCO₂/p

Table	3: Ex-post calculation of	each CO_2 emission reduction	Table 4: Ex-post calculation of CO ₂	emission reductions		
					Monitoring period	CO ₂ emission reducti
(a)	Parameters	RE _{j.p}	PE _{j,p}	ER _{j,p}	01/07/2017-31/12/2017	5,807
(b)	Description of data	Reference emissions of the OCC line j during the period p	Project emissions of the OCC line j during the period p	Emission reductions of the OCC line j during the period p		
(d)	Units	tCO₂/p	tCO√p	tCO₂/p		
(c)	Estimated Value					
	j=1	13,742.5	7,934.8	5,807.7		
	j=2	0.0	0.0	0.0		
	j=3	0.0	0.0	0.0		
	j=4	0.0	0.0	0.0		
	j=5	0.0	0.0	0.0		
	j=6	0.0	0.0	0.0		
	j=7	0.0	0.0	0.0		
	i=9	0.0	0.0	0.0		
		0.0	0.0	0.0		

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Мо	Monitoring Report Sheet (Calculation Process Sheet) [For Verification]								
1. 0	alcı	ulations for emission reductions	Fuel type	Value	Units	Parameter			
	Em	ission reductions during the period <i>p</i>		5,807.7	tCO ₂ /p	ER _p			
		Emission reductions during the period p		5,807.7	tCO ₂ /p	ER _p			
2. 8	2. Selected default values, etc.								
3. 0	alcı	ulations for reference emissions							
	Ref	ference emissions during the period <i>p</i>		13,742.5	tCO ₂ /p	REp			
		Reference emissions during the period <i>p</i>	N/A	13,742.5	tCO ₂ /p	REp			
4. C	4. Calculations of the project emissions								
	Pro	ject emissions during the period p		7,934.8	tCO ₂ /p	PEp			
		Project emissions during the period p	N/A	7,934.8	tCO ₂ /p	PEp			

	Ionitoring Report Sheet (Input Sheet) [For Verification]								
Table 1	1: Parameters monitored e	x post		Table 2: Projec	ct-specific	parameters fixed ex ante			
(a)	Monitoring period	01/01/2018-31/08/2018	01/01/2018-31/08/2018						
(b)	Monitoring point No.	1	2						
(c)	Parameters	PP _{j,p}	EC _{PJ.i,p}	(a) Param	neters	EFelec	SEC _{RE}		
(d)	Description of data	Paper production measured at the PM line connected to the project OCC line j during the period p	Electricity consumption by the project OCC line <i>j</i> during the period <i>p</i>	(b) Descrip da	otion of Ita	CO ₂ emission factor for consumed electricity	Reference specific electricity consumption of the OCC line		
(e)	Units	ton/p	MWh/p	(c) Units (d) Source of data		tCO ₂ /MWh	MWh/ton		
(f)	Monitoring option	Option C	Option C			The most recent value available at the time of validation is applied			
(g)	Source of data	Monitored data	Monitored data			and fixed for the monitoring period thereafter. The data is sourced			
(h)	Measurement methods and procedures	Measuring equipment is installed to the PM line connected to the project OCC line j—for this project, the project line is unique, so the suffix j is omitted—to measure volume of paper production. Measurement is conducted as follows: - Measured data is automatically transmitted to the remote server/PC for recording. - Data recorded in the remote server/PC is reported and double-checked by a responsible staff on a monthly basis to prevent missing data. In case a calibration certificate issued by an entity accredited under national/international standards is not provided, such measuring equipment is required to be calibrated base on the national regulation or manufacturer's recommendations.	Measuring equipment is installed to the project OCC line j—for this project, the project line is unique, so the suffix j is omotted—to measure electricity consumption. Electricity consumption of the OCC line is measured with measuring equipments. - Measured data is automatically transmitted to the remote server/PC for recording. - Data recorded in the remote server/PC is reported and double-checked by a responsible staff on a monthly basis to prevent missing data.			from "Emission Factors of Electricity Interconnection Systems", National Committee on Clean Development Mechanism (Indonesian DNA for CDM), based on data obtained by Directorate General of Electricity, Ministry of Energy and Mineral Resources, Indonesia, unless otherwise instructed by the Joint Committee." [Captive electricity] Specification of the captive power generation system including co- generation system provided by the manufacturer. Net calorific value (NCVfuel [GJ/mass or weight]) and CO2 emission factor (EFHue [tCO2/GJ]) of the fuel (EFfuel [tCO2/GJ]) from IPCC as follows. IPCC default values provided in table 1.4 of Ch.1 Vol.2 of 2006 IPCC Guidelines on National GHG Inventories. Lower value is applied.	Data of daily electricity consumption by the OCC line and daily weight of paper product at the PM line connected to the OCC line within two years from the timing of validation of the existing OCC lines at the same factory where the project OCC line(s) is installed.		
(i)	Monitoring frequency	Monitored hourly and recorded monthly for aggregation.	Monitored hourly and recorded monthly for aggregation.			Grid and a gas-based captive power supplies electricity to the			
(i)	Other comments	Compiled data is to be stored electronically after 2 years beyond the end of the JCM project. "ton" implies "BDt (Bone Dry ton)". Weight bridge is to be calibrated as specified in its certificate. It is to be calibrated in accordance with the International Recommendation (OIML R 76-1: 2006).	Compiled data is to be stored electronically after 2 years beyond the end of the JCM project. Electricity meter does not require additional calibration as specified in its specs.	(e) Other co	omments	facility. Base on the historical (2014) data of ratio of both sources and technical specification of the latter are used to calculate the combined CO2 emission factor of the electricity which is fixed ex ante as per the methodology.	The Line 5 historical data (2016) are used for calculation. The relevant calculation is given by another file.		
(k)	Monitored Value			(f) Estimated	d Value				
	j=1 j=2 j=3 j=4 j=5 j=6 j=7 j=8 j=9 j=9 j=10	172,090.0	16,775.8	=(=(=(=(=(=(=(=(=(=(=(=(=(=	:1 :2 :3 :4 :5 :5 :6 :7 :7 :8 :8 :9 :9 :10	0.666	0.188		

[wonitoring 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)				

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Reference Number: ID011

Units tCO₂/p

Table	3: Ex-post calculation of	each CO ₂ emission reduction	Table 4: <i>Ex-post</i> calculation of CO ₂ emission reduction			
					Monitoring period	CO ₂ emission red
(a)	Parameters	RE _{j.p}	PE _{j,p}	ER _{j,p}	01/01/2018-31/08/2018	10,370
(b)	Description of data	Reference emissions of the OCC line <i>j</i> during the period <i>p</i>	Project emissions of the OCC line j during the period p	Emission reductions of the OCC line j during the period p		
 (d)	Units	tCO₂/p	tCO⊴p	tCO⊭p		
(c)	Estimated Value					
	j=1	21,543.2	11,172.7	10,370.5		
	j=2	0.0	0.0	0.0		
	j=3	0.0	0.0	0.0		
	j=4	0.0	0.0	0.0		
	j=5	0.0	0.0	0.0		
	j=6	0.0	0.0	0.0		
	j=7	0.0	0.0	0.0		
	j=8	0.0	0.0	0.0		
	j=9 ;=40	0.0	0.0	0.0		
	j=10	0.0	0.0	0.0		

Monitoring Spreadsheet: JCM_ID_AM012_ver01.0 Reference Number: ID011

Мо	Monitoring Report Sheet (Calculation Process Sheet) [For Verification]								
1. C	alcı	lations for emission reductions	Fuel type	Value	Units	Parameter			
	Emission reductions during the period <i>p</i>			10,370.5	tCO ₂ /p	ERp			
		Emission reductions during the period p		10,370.5	tCO ₂ /p	ERp			
2. S	2. Selected default values, etc.								
3. C	3. Calculations for reference emissions								
	Ref	erence emissions during the period <i>p</i>		21,543.2	tCO ₂ /p	REp			
		Reference emissions during the period <i>p</i>	N/A	21,543.2	tCO ₂ /p	REp			
4. C	4. Calculations of the project emissions								
	Pro	ject emissions during the period <i>p</i>		11,172.7	tCO ₂ /p	PEp			
		Project emissions during the period <i>p</i>	N/A	11,172.7	tCO ₂ /p	PEp			