



REPLY TO BE ADDRESSED TO UNDERSIGNED

Central Electricity Board

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MAURITIUS

1952 - 2012

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YOUR REF **ENV/PRO/CDM/NGEF**

09 April 2014

The Permanent Secretary
Ministry of Environment and Sustainable Development
9th Floor, Ken Lee Tower
Ken Lee Building
Port-Louis
Attn: D.S Chamilall

Dear Sir,

Calculation and Validation of Grid Emission Factor (GEF) for Mauritius

We refer to your letter dated **01 April 2014** regarding the validation of the Grid Emission Factor for Mauritius. We are hereby submitting requested data on the power generation plants in Mauritius for the period **2010-2012**. We trust this information will meet your requirement for the validation of the GEF by the CDM team at the UNFCCC.

We thank you for your usual collaboration and will be pleased to submit any additional information you may require in this matter.

Yours faithfully,

S.K Thannoo

General Manager

Engine	Make	Year	Eff. Capacity (MW)	Annual Electricity generated (GWh)			Fuel Consumed (m3)*		
				2010	2011	2012	2010	2011	2012
Fort George Power Station									
G1	Sulzer	1992	22						
G2	Sulzer	1993	22						
G3	Mitsui & Hyundai	1997	30						
G4	Mitsui & Hyundai	1999	30						
G5	Mitsui & Hyundai	2000	30	574	651.5	656.5	136678	135373	136217
Saint-Louis Power Station									
G1	Pielstick	1978	5						
G2	Pielstick	1978	5						
G3	Pielstick	1979	5						
G4	Pielstick	1979	5						
G5	Pielstick	1981	5						
G6	Pielstick	1981	5	53.3	55.4	35			
G7	Wartsila	2006	13.8						
G8	Wartsila	2006	13.8						
G9	Wartsila	2006	13.8	134.9	141.3	119.8	47394	43473	46045
Fort Victoria Power Station									
G1	Wartsila	2010	15						
G2	Wartsila	2010	15						
G3	Wartsila	2012	15						
G4	Wartsila	2012	15						
G5	Wartsila	2012	15						
G6	Wartsila	2012	15	9.6	159.3	208.8			
G11	MAN	1989	8.5						
G12	MAN	1989	8.5	24.5	20.8	6.8	15303	43474	33932
Nicolay Power Station									
G1	GE	1988	21						
G2	GE	1991	21						
G3	GE	1995	33	6.6	11.6	11	7637	7279	4369

* Note Fort George, Fort Victoria and Saint Louis uses Heavy Fuel Oil (HFO)

Nicolay Uses Kerosene

Hydro Power Station						
Engine	Make	Year	Eff. Capacity (MW)	Annual Electricity generated (GWh)		
				2010	2011	2012
Champagne	Francis	1984	30	41.7	20.1	31
Ferney	Francis	1971	10	31.6	21.2	22.6
Tamarin	Turgo and Pelton	1945-1987	9.3	16.5	7	8.2
Le Val	Francis	1961	4	6.5	1.2	4.5
Réduit	Francis	1984	1	3.3	2.3	2
La Ferme	Francis	1959	1.2	2.7	1.2	0.7
Cécile	Francis	1963	1	3.4	1.9	2.2
Magenta	Francis	1960	0.9	2.2	1	1.3
La Nicollière	Francis	2010	0.35	NA	0.7	0.8
Midlands Dam	Francis	2013	0.35	NA	NA	NA

Independent Power Producers (IPP)						
Power Plant	Fuel Type	Year	Effective Capacity (MW)		Total Energy (GWh)	
					2010	2011
						2012
			Coal Mode	Bagasse Mode		
CTSav	Coal/Bagasse	2007	74	65.5	510.3	461.2
CTBV	Coal/Bagasse	2000	62	46	349.2	371.3
CTDS	Coal only	2005	30	N/A*	214.1	227.8
FSPG	Coal/Bagasse	1997	27	20	160.9	162
CEL	Coal/Bagasse	1998	22	11	110.9	90.6

CTSav- Centrale Thermique du Sud

CTBV - Centrale Thermique Belle Vue

CTDS- Centrale Thermique du Sud

FSPG- Fuel Steamand Power Generation Co. Ltd

CEL- Consolidated Energy Limited