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ABBREVIATIONS AND SYMBOLS

C	capital cost (baht)
M	operating and maintenance costs (baht)
F	fuel cost (baht)
R	replacement cost (baht)
S	salvage value (baht)
X	externalities cost (baht)
Ce	amount of emission (kg)
VED	Value of environment damage (baht/kg)
CF	Collection and transportation costs (baht)
FC_1	fixed cost associated to loading/unloading operations where time, human resources and fuel are used (baht)
FC_2	a fixed cost associated to biomass compacting (baht)
VC	a cost that depends on the total distance travelled (baht)
D	distance of transport (km)
NR	the number of trips needed to transport the biomass from the origins to one only destination (bioenergy plant)
C_e	Cost of electricity per unit (baht/kWh)
LCC	Life cycle cost (baht/year)
E_t	Energy produced throughout the project (kWh/year).
F	the value of money in the future (baht)
P	the value of the current (baht)
i	the interest rate per year
A	the value of income (annually uniform cost)

e	Escalation rate
NPV	net present value
NCF	net cash flow
TIC	total investment (baht)
PPP	the gross national income per capita for purchasing power parity
γ	income elasticity
EP_j	Environmental Impact Potential
Q_i	Quantity of Substance
EF_{ij}	Equivalency Factor, as shows Equivalency Factor of global warming

Subscripts

pw	present worth
n	time period