

SUSTAINABILITY PERFORMANCE 2017–2021

Charoen Pokphand Produce Co.,Ltd. and companies
in Crop Integration Business Group

GRI	Performance	Unit	2019	2020*	2021
ECONOMIC PERFORMANCE					
G4-EC1	Revenues	MillionBaht	4,525.96	4,289.81	7,290.70
	Employee Benefits	MillionBaht	539.06	553.77	166.84
	Employee Benefits	MillionBaht	63.22	68.57	175.40
	Investing in research and development	MillionBaht	70.12	75.05	72.10
	Community and Social Contribution	MillionBaht	12.67	15.3	1.51
SOCIAL PERFORMANCE					
Employees					
102-8	Total Employees	MillionBaht	12.67	15.3	1.51
		Male/Female	475 330	628 384	3,668.00 1,224.00
102-8	Separate by contract type				
	Employees		790	828	3,858
		Male/Female	462 328	514 314	2,784 1,074
	Worker / Contractors		15	184	1,034
		Male/Female	13 2	114 70	884 150
405-1	Separate by gender				
	Male	%	59.00	62.00	72.16%
	Female	%	41.00	38.00	27.84%
401-1	New Hires				
	Number of new hires	Persons	96	70	563
		Male/Female	54 42	46 24	-
	Ratio of new hires	%	12.15	8.24	11.51
		Male/Female	6.84 5.32	5.55 2.90	-
401-1	Turn Over				
	Number of turn over	Persons	94	98	345
		Male/Female	59 35	69 29	262 83
	Ratio of Turn Over	%	11.9	11.84	7.05
		Male/Female	7.47 4.43	8.33 3.50	7.14 6.78
		Male/Female	7.47 4.43	8.33 3.50	7.14 6.78
404-1	Average of training hours for all employees	Hours per person	4.99	7.30	5.24
404-1	Number of Employees completed sustainability training	Persons	705	828	4,892

Note : *In 2021 The data was collected from 4 countries as follows: Thailand, Vietnam, India and Myanmar

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OCCUPATIONAL HEALTH AND SAFETY					
DJSI 3.7.2	Injury Rate (IR)				
	Employees	Persons per 1,000,000 working hours	2.06	0.00	2.17
		Male/Female	3.38 0.00	0.00 0.00	1.90 2.54
DJSI 3.7.3	Worker / Contractors	Persons per 1,000,000 working hours	0.00	5.68	1.44
		Male/Female	0.00 0.00	4.76 7.03	2.06 0.00
	Lost-Time Injury Frequency Rate (LTIFR)				
	Employees	Persons	-	0	4
		Male/Female	- -	0 0	2 2
	Worker / Contractors	Persons	-	2	1
		Male/Female	- -	1 1	1 0
	Rate of facilities as a work-related injury				
403-9 (a)	Employees	Persons per 1,000,000 working hours	-	0.00	0.00
		Male/Female	- -	0.00 0.00	0.00 0.00
403-9 (b)	Worker / Contractors	Persons per 1,000,000 working hours	-	0.00	0.00
		Male/Female	- -	0.00 0.00	0.00 0.00
	Number of facilities as a work-related injury				
403-9 (a)	Employees	Persons	-	0	0
		Male/Female	- -	0 0	0.00 0.00
403-9 (b)	Worker / Contractors	Persons	-	0.00	0.00
		Male/Female	- -	0 0	0.00 0.00
	Rate of High-consequence work-related injury (excluding facilities)				
403-9 (a)	Employees	Persons per 1,000,000 working hours	-	0.00	0.00
		Male/Female	- -	0.00 0.00	0.00 0.00
403-9 (b)	Worker / Contractors	Persons per 1,000,000 working hours	-	0.00	0.00
		Male/Female	- -	0.00 0.00	0.00 0.00
	Number of High-consequence work-related injury (excluding facilities)				
403-9 (a)	Employees	Persons	-	0	0
		Male/Female	- -	0 0	0 0
403-9 (b)	Worker / Contractors	Persons	-	0	0
		Male/Female	- -	0 0	0 0
	Rate of Recordable work-related injury				
403-9 (a)	Employees	Persons per 1,000,000 working hours	-	2.78	2.71
		Male/Female	- -	4.86 0.00	2.84 2.54
403-9 (b)	Worker / Contractors	Persons per 1,000,000 working hours	-	8.52	5.78
		Male/Female	- -	9.53 7.03	6.18 4.82
	Number of Recordable work-related injury				
403-9 (a)	Employees	Persons	-	5	0
		Male/Female	- -	5 0	3 2
403-9 (b)	Worker / Contractors	Persons	-	3	4
		Male/Female	- -	2 1	3 1
	Number of Fatalities as a result of Work-related ill health				
403-9 (a)	Employees	Persons	-	0	0
		Male/Female	- -	0 0	0.00 0.00
403-9 (b)	Worker / Contractors	Persons	-	0.00	0.00
		Male/Female	- -	0 0	0.00 0.00
	Number of cases of recordable work-related ill health				
403-9 (a)	Employees	Persons	-	0	0
		Male/Female	- -	0 0	0.00 0.00
403-9 (b)	Worker / Contractors	Persons	-	0.00	0.00
		Male/Female	- -	0 0	0.00 0.00

Note :

• In 2020 The data was collected from 4 countries as follows: Thailand, Vietnam, India and Myanmar

• The severity level of an injury is calculated from the number of absent work days. Injury Rate (IR) = [Total number of injuries at all levels (during the reporting period) X 1,000,000 hours worked] / Total number of hours worked (during the reporting period).

• Lost Time Injury Rate (LTIR) = [Total number of lost time injuries (during the reporting period) X 1,000,000 hours worked] / Total number of hours worked (during the reporting period).

• Lost Day Rate (LDR) = [Total number of lost days (during the reporting period) X 1,000,000 hours worked] / Total number of hours worked (during the reporting period).

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ENVIRONMENT PERFORMANCE					
ENERGY					
302-1 (e)	Total Energy Consumption	Gigajoules	96,245.11	50,299.67	155,519.25
302-1 (a)	- Fuel Consumption	Gigajoules	26,570.26	15,216.33	65,937.09
302-1 (b)	- Renewable energy	Gigajoules	40,938.78	13,347.01	42,901.23
302-1 (C)	- Electricity Consumption	Gigajoules	28,739.06	21,736.00	46,680.92
GREEN HOUSE GAS (GHG) EMISSION					
305-2 (a)	Total Green House gas (GHG) emission	Ton CO ₂ eq	6,649.84	10,357.51	14,443.21
305-1 (a)	Green House gas (GHG) emission (Scope 1)	Ton CO ₂ eq	2,059.10	1,165.64	5,794.46
305-2 (a)	Green House gas (GHG) emission (Scope 2)	Ton CO ₂ eq	4,590.74	2,904.17	8,648.75
305-4 (a)	GHG emissions intensity ratio	Ton CO ₂ eq	1.47	2.41	1.98
น้ำ					
303-5	Water consumption	Million m ³			1.41
303-3 (a)	Total volume of water withdrawn	Million m ³	1.76	2.89	1.48
303-3 (c)	Freshwater (≤1,000 mg/L Total Dissolved Solids)	Million m ³			1.48
	- Surface water	Million m ³	1.54	2.42	1.33
	- Ground water	Million m ³	0.21	0.19	0.13
	- Municipal water supplies	Million m ³	0.01	0.02	0.02
	Other water (>1,000 mg/L Total Dissolved Solids)	Million m ³			0.0012
	- Surface water	Million m ³			-
	- Ground water	Million m ³			-
	- Municipal water supplies	Million m ³			0.0012
303-4 (b)	Total of water being used	Million m ³	0	0.01	0.02
303-4 (a)	Total of water discharge	Million m ³	0.18	0.09	0.07
	GHG emissions intensity ratio	Million m ³		564.00	193.68

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ENVIRONMENT PERFORMANCE					
WASTE (2020)					
306-3 (a)	Total weight of waste generated	Ton	591.35	616.94	678.34
	- Total weight of hazardous waste generated	Ton	5.95	11.96	3.15
	- Total weight of non-hazardous waste generated	Ton	585.4	604.98	675.18
306-4 (a)	Total weight of waste diverted from disposal	Ton			572.94
306-4 (b)	Total weight of hazardous waste diverted from disposal	Ton			0.01
	- Preparation for reuse	Ton			0.01
	- Recycling	Ton			-
306-4 (c)	Total weight of non-hazardous waste diverted from disposal	Ton			572.93
	- Preparation for reuse	Ton			9.91
	- Recycling	Ton			189.58
	- Composting; (Not Included food waste)	Ton			171.95
	- Feed Material	Ton			201.48
	- Constuction Material	Ton			-
306-5 (a)	Total weight of waste directed to disposal	Ton			105.40
306-5 (b)	Total weight of hazardous waste directed to disposal	Ton			3.14
	- Incineration (with energy recovery).	Ton			-
	- Incineration (without energy recovery).	Ton			2.35
	- Landfilling.	Ton			0.67
	- Other disposal operations	Ton			0.12
306-5 (c)	Total weight of non-hazardous waste directed to disposal	Ton			102.25
	- Incineration (with energy recovery)	Ton			-
	- Incineration (without energy recovery).	Ton			0.10
	- Landfilling.	Ton			102.16
	- Other disposal operations.	Ton			-
	Waste generated intensity ratio	Ton/ Million baht			0.09
PLASTIC PACKAGING					
	All plastic packaging	Ton	0	700.02	-
	Biodegradable plastic packaging	Ton	-	475.73	-
	Recyclable plastic packaging *Category Mono Layer	Ton	-	224.28	

Note :

• Calculations are based on GRI (G4 (EN2)) Sustainability Reporting.
 • Amount of fuel energy used = sum of each type of fuel used X calorific value of each type of fuel (measurement unit: gigajoules per month)
 • CONVERSION FACTOR based on Thailand's annual energy report Department of Alternative Energy Development and Efficiency
 • Electric power consumption = Sum of the amount of electrical energy used, (kWh) X 3.6 (measurement unit: gigajoules per month)
 • Total amount of energy used = exhausted energy + renewable energy + electrical energy consumption (measurement unit: gigajoules per month)
 • Energy intensity per income covers non-consumed energy such as diesel fuel, renewable energy such as rice husks and internal electricity only.
 • Emission calculations GHG emissions Scope 2 (Scope 2) have been recalculated using the emission factor using the following reference values:
 Thailand according to the Energy Policy and Planning Office ministry of energy (<http://www.epo.go.th/index.php/en/en-energystatistics/co2-statistic>)
 Myanmar, referenced from <https://united4efficiency.org/country-assessments/myanmar>
 Vietnam, referenced from https://www.iges.or.jp/en/publication_documents/pub/data/en/1215/IGES_GRIID_EF_v10.10_20210223.xlsx
 India, referenced from https://www.iges.or.jp/en/publication_documents/pub/data/en/1215/IGES_GRIID_EF_v10.10_20210223.xlsx
 • Greenhouse gas emissions reporting covers CO₂, CH₄ and N₂O, calculated and displayed in terms of the Global Warming Potential (GWP)
 set by the Intergovernmental Panel on Climate Change 2006 (IPCC) while the coefficient Greenhouse gas emissions (Emission Factor)
 based on data from IPCC and Thailand

Greenhouse Gas Management Organization (Public Organization) (GRI G4-EN 15, EN 16)
 • The value of greenhouse gas concentration per income covers the volume, GHG emissions Scope 1 (Scope 1) and Scope 2 (Scope 2) (GRI G4-EN 18)
 • Total water consumption collected from meter/billing receipt/groundwater usage report.
 • The amount of general waste and the amount of hazardous waste stored within the company are the total amount of waste for the past year (G4-EN23).
 • Total amount of waste generated including only the amount of general waste and hazardous waste generated each year by the amount of waste stored within the company each year Calculated from accumulated waste in the current year – accumulated waste in the past year (G4-EN23)
 • Information on waste disposal methods is obtained from the disposal method confirmation from the waste disposal operator or from the waste disposal invoice (G4-EN23).