

## Environmental Performance

Indicator	Description	Unit	2024
<b>Energy Consumption</b>			
GRI 302-1	<b>Direct energy consumption</b>	<b>Million MJ</b>	<b>10.72</b>
	Liquefied petroleum gas (LPG)	Million MJ	0.80
	Diesel fuel	Million MJ	4.45
	Gasoline	Million MJ	5.47
	<b>Indirect energy consumption</b>	<b>Million MJ</b>	<b>38.08</b>
	Electricity	Million MJ	38.08
GRI 302-3	Total energy intensity (within organization)	Million MJ/rai	0.0064
<b>Greenhouse Gas (GHG) Emissions</b>			
GRI 305-1	<b>GHG emissions from direct operations (Scope 1)</b>	<b>Tons CO2e</b>	<b>708.80</b>
	<b>Mobile Combustion</b>	<b>Tons CO2e</b>	<b>561.86</b>
	Diesel fuel for various vehicle types	Tons CO2e	405.12
	Diesel fuel for various vehicle types (biogenic Carbon)	Tons CO2e	0.17
	Gasoline for various vehicle types	Tons CO2e	154.76
	Gasoline for various vehicle types (biogenic Carbon)	Tons CO2e	0.10
	Aviation fuel – Sriracha	Tons CO2e	1.71
	<b>Stationary Combustion</b>	<b>Tons CO2e</b>	<b>48.40</b>
	Diesel fuel for various machinery	Tons CO2e	4.7
	Diesel fuel for various machinery (biogenic Carbon)	Tons CO2e	0
	Gasoline for various machinery	Tons CO2e	20.99
	Gasoline for various machinery (biogenic Carbon)	Tons CO2e	0
	LPG (Liquefied Petroleum Gas)	Tons CO2e	22.71
	<b>Leakage/Spillage</b>	<b>Tons CO2e</b>	<b>98.54</b>
	Fire suppression agent (CO2 type)	Tons CO2e	0
GRI 305-1	Refrigerant (R-32 type)	Tons CO2e	1.89
	Refrigerant (R-410a type)	Tons CO2e	25.95
	Methane gas from employee restroom usage	Tons CO2e	47.47
	Nitrous oxide emissions from fertilizer application	Tons CO2e	2.63
	SF6 usage in switchgear of transformers	Tons CO2e	0
	Methane gas from anaerobic digestion in animal digestive systems	Tons CO2e	19.97
	Methane gas from manure management (fertilizer)	Tons CO2e	0.55
	Landfilling of waste in the area	Tons CO2e	0.08
	Methane gas from the wastewater treatment system	Tons CO2e	0



Indicator	Description	Unit	2024
GRI 305-1	<b>Direct greenhouse gas emissions separately reported</b>	<b>Tons CO2e</b>	<b>234.18</b>
	Refrigerant in air conditioning systems (R-22 type)	Tons CO2e	193.16
	Diesel fuel for various vehicle types (biogenic Carbon)	Tons CO2e	27.70
	Gasoline for various vehicle types (biogenic Carbon)	Tons CO2e	13.32
GRI 305 - 2	<b>Greenhouse gas emissions from Scope 2</b>	<b>Tons CO2e</b>	<b>4,960.97</b>
	Electricity consumption	Tons CO2e	4,960.97
GRI 305 - 3	<b>Greenhouse gas emissions from Scope 3</b>	<b>Tons CO2e</b>	<b>196,786.25</b>
	<b>Fuel and energy-related activities</b>	<b>Tons CO2e</b>	<b>196,072.00</b>
	Headquarters	Tons CO2e	48.29
	Saha Group Industrial Park, Sriracha	Tons CO2e	191,034.38
	Saha Group Industrial Park, Kabinburi	Tons CO2e	471.6
	Saha Group Industrial Park, Lamphun	Tons CO2e	351.6
	Saha Group Industrial Park, Mae Sot	Tons CO2e	20.48
	J-Park Nihon Mura Sriracha & J-Town Sriracha	Tons CO2e	4,145.65
	<b>Waste generated from operations</b>	<b>Tons CO2e</b>	<b>714.25</b>
	Headquarters	Tons CO2e	27.08
	Saha Group Industrial Park, Sriracha	Tons CO2e	385.72
	Saha Group Industrial Park, Kabinburi	Tons CO2e	82.73
	Saha Group Industrial Park, Lamphun	Tons CO2e	18.09
	Saha Group Industrial Park, Mae Sot	Tons CO2e	0
	J-Park Nihon Mura Sriracha & J-Town Sriracha	Tons CO2e	200.63
GRI 305 - 4	<b>GHGs Emission Intensity</b>		
	Scope 1	Tons CO2e	709.00
	Scope 2	Tons CO2e	4,961.00
	Scope 3	Tons CO2e	196,787.00
	Total (Scope 1+2)	Tons CO2e	5,670.00
	Total (Scope 1+2+3)	Tons CO2e	202,457
GRI 305 - 4	Production	Rai	7,593.73
	Carbon Intensity (Scope 1+2)	Tons CO2e/Rai	0.7467
	Carbon Intensity (Scope 1+2+3)	Tons CO2e/Rai	26.66
GRI 305 - 5	Reduction of GHGs Emissions	Tons CO2e	65.72



Indicator	Description	Unit	2024
<b>Air Pollution Control</b>			
GRI 305 - 7	<b>Air Pollution Emissions</b>		
	Nitrogen Oxides (NOx)	Tons	0
	Sulfur Oxides (SOx)	Tons	0
	Particulate Matter ≤ 2.5 Microns (PM2.5)	Tons	0
	Total Suspended Particulates (TSP)	Tons	0
<b>Water Consumption</b>			
GRI 303 - 3	<b>Water Withdrawal by Source</b>	<b>Million cubic meters</b>	<b>16.949</b>
	Surface Water	Million cubic meters	3.935
	Reservoir of Saha Group Industrial Park	Million cubic meters	12.291
	Groundwater	Million cubic meters	0.573
	Raw Water from Third – Pary	Million cubic meters	0.128
	Produced Water / Tab Water	Million cubic meters	0.188
SET ESG	Water Intensity	Million cubic meters/ Rai	0.002
GRI 303 - 4	<b>Water Discharge</b>	<b>Million cubic meters</b>	<b>2.148</b>
	Fresh Water Discharge (< 1,000 mg/l suspended or dissolved solids)	Million cubic meters	2.148
	Other Water Discharge (> 1,000 mg/l suspended or dissolved solids)	Million cubic meters	0
	<b>Water Discharge by Destination</b>		<b>2.148</b>
	Surface Water	Million cubic meters	2.148
	Groundwater	Million cubic meters	0
	Seawater	Million cubic meters	0
	Centralized Wastewater Treatment System	Million cubic meters	0
	Water Source from Other Agencies	Million cubic meters	0
GRI 303 - 5	Total Water Consumption	Million cubic meters	6.498
<b>Waste Management</b>			
GRI 306 - 3	<b>Total Waste Generated</b>	<b>Tons</b>	<b>951.92</b>
	Total Hazardous Waste	Tons	0
	Total Non-Hazardous Waste	Tons	951.92



Indicator	Description	Unit	2024
GRI 306 - 4	<b>Waste Divert from Disposal</b>	<b>Tons</b>	<b>18.86</b>
	<b>Hazardous Waste</b>	<b>Tons</b>	<b>0</b>
	Reuse	Tons	0
	Onsite Management	Tons	0
	Offsite Management	Tons	0
	<b>Recycle</b>	<b>Tons</b>	<b>0</b>
	Onsite Management	Tons	0
	Offsite Management	Tons	0
	<b>Non-Hazardous Waste</b>	<b>Tons</b>	<b>18.86</b>
	Reuse	Tons	0
	Onsite Management	Tons	0
	Offsite Management	Tons	0
	<b>Recycle</b>	<b>Tons</b>	<b>18.86</b>
	Onsite Management	Tons	4.83
	Offsite Management	Tons	14.04
GRI 306 - 5	<b>Waste Directed to Disposal</b>	<b>Tons</b>	<b>949.26</b>
	<b>Hazardous Waste</b>	<b>Tons</b>	<b>0</b>
	Incineration without Energy Recovery	Tons	0
	Incineration with Energy Recovery	Tons	0
	Landfilling	Tons	0
	Other disposal operations	Tons	0
	Onsite Storage	Tons	0
	<b>Non-Hazardous Waste</b>	<b>Tons</b>	<b>949.26</b>
	Incineration without Energy Recovery	Tons	0
	Incineration with Energy Recovery	Tons	0
	Landfilling	Tons	949.26
	Other disposal operations	Tons	0
	Onsite Storage	Tons	0

