



Independent Assurance Report

Mr. Shigeru Yamada
Representative Director, Group CEO
COSMO ENERGY HOLDINGS CO., LTD.

We, SOCOTEC Certification Japan (hereafter “SOCOTEC”), have performed a limited assurance engagement, in response to the entrustment from COSMO ENERGY HOLDINGS CO., LTD. (hereafter the “Company”) in order to provide an opinion as to whether the subject matter information (“FY2025 ESG Data” (period: 1 April 2025 to 31 March 2026)) of the Company meets the criteria in all material respects.

1 Subject Matter Information and Criteria

The subject matter information for our assurance is a report on “GHG Emissions, Environmental, Social and Safety Performance Data (shown in the Appendix)” covering the operations and activities at the Company and its consolidated companies in Japan and overseas (35 domestic subsidiaries and 12 overseas subsidiaries) described in the “FY2025 ESG Data” (period: 1 April 2025 to 31 March 2026).

The criteria for preparing subject matter information is the “GHG Emissions Calculation Rules (Ver6)”.

2 Management Responsibility

The “FY2025 ESG Data” (period: 1 April 2025 to 31 March 2026) was prepared by the management of the Company, who is responsible for the integrity of the assertions, statements and claims made therein (including the assertions over which we have been engaged to provide limited assurance), the collection, quantification and presentation of all data and information in the report, and applied criteria, analysis and publication.

The management of the Company is responsible for maintaining adequate records and internal controls that are designed to support the reporting process and ensure that the “FY2025 ESG Data” (period: 1 April 2025 to 31 March 2026) is free from material misstatement whether intentional or negligent.

3 Assurance Practitioner’s Responsibility

The responsibility of SOCOTEC is to express a limited assurance conclusion as to whether the subject matter information has been prepared in compliance with the criteria in all material respects.

We have performed limited assurance engagement in accordance with the verification procedures stipulated by SOCOTEC and “JIS Q 14064-3:2023 (ISO 14064-3:2019) Specification with guidance for the verification and validation of greenhouse gas statements” and the International Standard on Assurance Engagements (ISAE) 3000 (Revised), “Assurance Engagements Other than Audits or Reviews of Historical Financial Information” of International Auditing and Assurance Standards Board (IAASB).

The procedures performed in the limited assurance engagement are limited in their type, timing and scope as compared to the procedures performed in the reasonable assurance engagement. As a result, our limited assurance engagement does not provide as high assurance as reasonable assurance engagement.

Our procedures performed depend on the assurance professional practitioner’s judgement, including an assessment of the risk of material misstatement, whether due to fraud or error. Our conclusion was not designed to provide assurance on internal controls.

We believe that we have obtained the evidence to provide a basis for our limited assurance conclusions.



4 Assurance Procedures

The procedures that SOCOTEC has performed are based on professional judgement and include, but are not limited to:

- Evaluation of policies and procedures created by the Company in relation to subject matter information
- Inquiries to the Company personnel to understand the above policies and procedures
- Verification that the target project meets eligibility requirements
- Matching with the basis data by trial calculation and recalculation
- Obtaining and collating material for important assumptions and other data
- Sites visited to confirm the calculation structure and procedures, data collection and implementation status of record control:

Head Office / SAKAI REFINERY of COSMO OIL CO., LTD. / CHIBA PLANT of MARUZEN PETROCHEMICAL CO., LTD.

5 Statement of Our Independence, Quality Management and Competence

SOCOTEC has introduced and maintained a comprehensive management system that conforms to the accreditation requirements of "JIS Q 17021-1:2015(ISO/IEC 17021-1:2015) Conformity assessment - Requirements for bodies providing audit and certification of management systems - Part 1: Requirements". In addition, we have also established a management system according to "JIS Q 14065:2025(ISO 14065:2020) General principles and requirements for bodies validating and verifying environmental information". These meet the requirements of International Standard on Quality Management 1 by the International Auditing and Assurance Standards Board and Code of Ethics for Professional Accountants by International Ethics Standards Board for Accountants. We maintain a comprehensive quality management system that includes ethical rules, professional standards and documented policies and procedures for compliance with applicable laws and regulations. The SOCOTEC Group is a comprehensive third-party organisation in testing, inspection and certification operations, and provides management system certification and training services related to quality, environment, labour and information security in countries around the world. Engaged in performance data and sustainability report assurance of environmental and social information, SOCOTEC affirms that it is independent of the organisation that has ordered the assurance engagement, its affiliated companies and stakeholders, and that there is no possibility of impairing impartiality or conflict of interest.

We assure that the team engaged in the assurance is selected based on knowledge and experience in the relevant industry, as well as the competence requirements for this assurance engagement.

6 Use of Report

Our responsibility in performing our limited assurance activities is to the management of the Company only in accordance with the terms for this engagement as agreed with the Company. We do not therefore assume any responsibility for any other purpose or to any other person or organisation.

7 Our Conclusion

On the basis of our procedures performed and the evidence obtained, nothing has come to our attention that causes us to believe that the subject matter information is not, in all material respects, prepared and reported in accordance with the stated criteria.

SOCOTEC Certification Japan

Masahide Fukushima

Head of Verification

16 June 2026

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GHG Emissions, Environmental, Social and Safety Performance Data

Table1 GHG Emissions by Scope (COSMO ENERGY Group: 48 group companies)

Item			Quantity	Unit
Scope 1 (breakdown)		Total	6,749	thousand t-CO2e
		CO2 emissions	6,722	thousand t-CO2e
		GHG emissions excluding CO2 total ^{*1}	26	thousand t-CO2e
		CH4 emissions	5	thousand t-CO2e
		N2O emissions	22	thousand t-CO2e
Scope 2: Location-based		Total	258	thousand t-CO2e
Scope 2: Market-based		Total	261	thousand t-CO2e
Scope 3 (Breakdown)	Category 1	Purchased goods and services	13,228	thousand t-CO2e
	Category 2	Capital goods	251	thousand t-CO2e
	Category 3	Fuel and energy related activities not included in Scope 1 or 2	987	thousand t-CO2e
	Category 4	Transportation and delivery (upstream)	328	thousand t-CO2e
	Category 5	Waste generated in operations	46	thousand t-CO2e
	Category 6	Business travel	1	thousand t-CO2e
	Category 7	Employee commuting	5	thousand t-CO2e
	Category 9	Transportation and delivery (downstream)	270	thousand t-CO2e
	Category 11	Use of sold products	55,512	thousand t-CO2e
	Category 12	End-of-life treatment of sold products	4,402	thousand t-CO2e
	Category 13	Leased assets (downstream)	12	thousand t-CO2e
	Category 15	Investments	378	thousand t-CO2e
	Total			75,420

*1 The total GHG emissions excluding CO2 is the aggregate result for each GHG, including decimals, and does not directly match the aggregate result that is rounded off for each GHG.

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Table2 Energy consumption & Intensity (COSMO OIL CO.,LTD.)

Item	Quantity	Unit
Refinery Unit Energy consumption ^{*2}	9.13	L/kL
Refinery Crude oil equivalent energy consumption	1,542	thousand kL
Refinery Unit GHG Emissions ^{*3}	23.43	kg-CO2e/kL
Refinery GHG Emissions	3,958	thousand t-CO2e
Transpotation department Unit Energy consumption (marine)	14.12	L/thousand (t·km)
Transpotation department Unit Energy consumption (land)	35.53	L/thousand (t·km)
Transpotation department CO2 Emissions	251,847	t-CO2e

*2 Crude oil equivalent energy consumption (L) per unit of crude oil equivalent throughput (kL)

*3 Per unit of crude oil equivalent throughput (kL)

Table3 Energy consumption (COSMO ENERGY Group Total)

Item	Quantity	Unit
Heat quantity equivalent	111,273	TJ
Crude oil equivalent	2,871	thousand kL



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Table4 Water resources:Water intake & Wastewater

Item		Quantity	Unit
Petroleum Refining	Water intake total ^{*4}	465,316	thousand t
	Industrial water	42,045	thousand t
	Sea water	422,620	thousand t
	Well water	422	thousand t
	Tap water	228	thousand t
	Wastewater total	458,886	thousand t
Petrochemical	Water intake total	101,775	thousand t
	Industrial water	17,694	thousand t
	Sea water	84,016	thousand t
	Well water	46	thousand t
	Tap water	19	thousand t
	Wastewater total	90,863	thousand t
COSMO Group Total	Water intake total	570,343	thousand t
	Industrial water	59,921	thousand t
	Sea water	509,627	thousand t
	Well water	481	thousand t
	Tap water	314	thousand t
	Wastewater total	551,377	thousand t

*4 The water intake total is the aggregate result for each water intake, including decimals, and does not directly match the aggregate result that is rounded off for each water intake.

Table5 Water Pollution Loading Amount

Item		Quantity	Unit
Petroleum Refining	COD loading	97.1	t
	Nitrogen loading	53.4	t
	Phosphorus loading	1.0	t
Petrochemical	COD loading	35.5	t
	Nitrogen loading	27.4	t
	Phosphorus loading	1.2	t

Table6 Air Pollution Emissions

Item		Quantity	Unit
Petroleum Refining	SOx emissions	3,512	t
	NOx emissions	2,333	t
Petrochemical	SOx emissions	322	t
	NOx emissions	822	t

Table7 Air Pollution Emissions & Water Pollution Loading (Refineries only)

Item		Quantity	Unit
Petroleum Refining	Unit SOx emissions ^{*5}	20.6	g/kL
	SOx emissions	3,480	t
	Unit NOx emissions ^{*6}	13.3	g/kL
	NOx emissions	2,254	t
	Unit COD loading ^{*7}	0.57	g/kL
	COD loading	96.1	t

*5, *6, *7 Per atmospheric distillation unit equivalent throughput (kL)

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Table8 Industrial waste (By business)

Item		Quantity	Unit
Petroleum Refining	Industrial waste generated	62,044	t
	Recycled waste	24,135	t
	Final disposal	144	t
Petrochemical	Industrial waste generated	80,775	t
	Recycled waste	8,985	t
	Final disposal	127	t
COSMO Group Total	Industrial waste generated	145,377	t
	Recycled waste	35,646	t
	Final disposal	283	t

Table9 PRTR-Designated Substances

Item		Quantity	Unit
Petroleum Refining	Discharged amount	135	t
	Transferred amount	696	t
Petrochemical	Discharged amount	320	t
	Transferred amount	36	t



Table10 Employees

Item		Quantity	Unit
COSMO OIL CO.,LTD	Ratio of female manegers ^{*8}	8.4	%
	Male parental leave takers	84	%
	Female parental leave takers	100	%
	Employment rate of persons with disabilities ^{*9}	2.77	%
MARUZEN PETROCHEMICAL CO.,LTD	Ratio of female manegers ^{*8}	4.3	%
	Male parental leave takers	80	%
	Female parental leave takers	100	%
COSMO OIL SALES CO.,LTD	Ratio of female manegers ^{*8}	—	%
	Male parental leave takers	25	%
	Female parental leave takers	100	%
COSMO ENGINEERING CO.,LTD	Ratio of female manegers ^{*8}	9.1	%
	Male parental leave takers	93	%
	Female parental leave takers	—	%

*8 As of March 31, 2026

*9 As of June 1, 2025

Table11 Gender wage gap

Item	Quantity	Unit
COSMO OIL CO.,LTD	Total	80.0 %
	Regular employees	80.2 %
	Non-regular employee	78.5 %
MARUZEN PETROCHEMICAL CO.,LTD	Total	69.9 %
	Regular employees	70.1 %
	Non-regular employee	97.4 %
COSMO OIL SALES CO.,LTD	Total	66.4 %
	Regular employees	83.7 %
	Non-regular employee	82.6 %
COSMO ENGINEERING CO.,LTD	Total	86.8 %
	Regular employees	86.1 %
	Non-regular employee	84.4 %

Table12 Promotion of women's success (COSMO OIL CO.,LTD)

Item	Quantity	Unit
Ratio of female managers ^{*10}	8.9	%
Ratio of female new graduate recruitment ^{*11}	55	%

*10 As of April 1, 2026

*11 Recruited on April 1, 2026



Table13 Industrial accident (COSMO ENERGY Group:48 group companies and subcontractors)

Item		Quantity	Unit
Occupational accident	Lost work accident	18	number
	Industrial accident without lost time	61	number
Work-related accident while commuting	Lost work accident	8	number
	Industrial accident without lost time	9	number
Total	Lost work accident	26	number
	Industrial accident without lost time	70	number
Grand Total		96	number
Number of fatalities due to work-related accidents	Employee	1	people
	Partner company employee	0	people

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