
GENERAL NOTICES • ALGEMENE KENNISGEWINGS

DEPARTMENT OF ELECTRICITY AND ENERGY**NOTICE 3876 OF 2026****NATIONAL ENERGY ACT, 2008 (ACT NO. 34 OF 2008)****DRAFT REGULATIONS ON THE MANDATORY PROVISION OF ENERGY DATA**

I, **Dr. Kgosientsho David Ramokgopa**, the Minister of Electricity and Energy, in terms of section 19(1) of the National Energy Act, 2008 (Act No. 34 of 2008), and after consultation with the Cabinet Ministers whose areas of responsibility will be affected by these Regulations, intend to make the Regulations in the Schedule.

Interested persons are invited to submit, within 60 days of the date of publication of this Notice, any written comments or representations on the proposed Regulations to the Director-General of the Department of Electricity and Energy, for the attention of Ms Violet Olifant by:

- (a) Post to: Department of Electricity and Energy, Private Bag x 96, Pretoria, 0001;
- (b) Hand to: Matimba House 192 Visagie Street Pretoria 0001 or
- (c) Email to: Violet.Olifant@dee.gov.za.

Kindly provide the name, address, telephone number, fax number and email address of the person or organisation submitting the comments.



Dr K.D. RAMAKGOPA, MP
MINISTER OF ELECTRICITY AND ENERGY

DATE: 16/10/25

SCHEDULE

Arrangement of Regulations

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Definitions

1. In these Regulations any word or expression to which a meaning has been assigned in the Act, has the meaning so assigned and, unless the context indicates otherwise-

“calendar year” means a year commencing on 1 January and ending on the 31 December;

“data provider” means the data provider contemplated in regulation 3;

“Department” means the Department of Electricity and Energy;

“energy baseline” means a quantitative reference providing a basis for comparison of energy performance over a specific period of time and is used for calculation of energy efficiency savings as a reference before and after implementation of energy performance improvement actions;

“energy efficiency savings” means the difference between the actual amount of energy used in the carrying out of any activity or trade in a specific period, and the amount of energy that would have been used in the carrying out of the same activity, or trade during the same period, under the same conditions, if the energy savings measure was not implemented;

“energy management plan” means a plan as contemplated under regulation 6;

“MPRDA” means the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002);

“primary energy commodities” means energy commodities that are either extracted or captured directly from natural resources;

“registration” means registration in terms of regulation 4 to assist in the manner and form in which data and information is collected by the Department;

"SIC" means the Standard Industrial Classification used by Statistics South Africa to classify economic activities of industries contemplated in the Standard Industrial Classification (SIC) of all Economic Activities, 5th edition; and

"the Act" means the National Energy Act, 2008 (Act No. 34 of 2008).

Application and objectives of Regulations

2. (1) These Regulations apply to the categories of data providers contemplated in regulation 3.

(2) The objectives of these Regulations are to-

- (a) enable the Department to collect, collate and publish quality energy data and information in an effective and efficient manner; and
- (b) provide for the type, manner and form of energy data and information that must be provided by any data provider.

Classification of data providers

3. (1) For purposes of these Regulations, data providers are classified according to the following categories:

- (a) Category A refers to an entity that holds an exploration right issued in terms of section 80 of the MPRDA, or holds a mining right issued in terms of section 23 of the MPRDA, or holds a mining permit issued in terms of section 27 of the MPRDA, to carry out activities related to-
 - (i) exploration of primary energy commodities; or
 - (ii) mining of primary energy commodities;
- (b) Category B refers to an entity that holds a production right issued in terms of section 84 of the MPRDA to carry out the-
 - (i) production of primary energy commodities; or

- (ii) import and export of primary energy commodities;
- (c) Category C refers to an entity that carries out-
 - (i) electricity generation and holds a licence issued by the National Energy Regulator of South Africa in terms of section 13, read with section 4, of the Electricity Regulation Act, 2006 (Act No.4 of 2006);
 - (ii) petroleum production and holds a licence issued in terms of section 28 of the Petroleum Products Act, 1977 (Act No. 20 of 1977); or
 - (iii) gas liquefaction or regasification and holds a licence issued in terms of section 19, read with section 4, of the Gas Act, 2001 (Act No. 48 of 2001);
- (d) Category D refers to an entity that is responsible for the transportation, transmission or distribution of any form of energy in accordance with a licence issued by the National Energy Regulator of South Africa in terms of-
 - (i) section 13, read with section 4, of the Electricity Regulation Act, 2006;
 - (ii) section 19, read with section 4, of the Petroleum Pipelines Act, 2003 (Act No. 60 of 2003); or
 - (iii) section 19, read with section 4, of the Gas Act, 2001;
- (e) Category E refers to an industry association representing a collective of entities operating within the same industry;
- (f) Category F refers to an end user of energy, which includes an entity which carries out economic activities as classified according to the SIC;
- (g) Category G refers to an organ of state, a research institution or an academic institution; and
- (h) Category H refers to an entity operating in the Industry Group 363 for Household Appliances under the SIC Code 36.

(2) Notwithstanding the provisions of sub-regulation (1), the Department may identify additional data sources and request data from such sources.

Compulsory registration of data providers and changes to registration details

4. (1) The following data providers in regulation 3(1) must register with the department for the electronic submission of information within 90 days of the coming into operation of these Regulations:

- (a) Category A,
- (b) Category B,
- (c) Category C,
- (d) Category D,
- (e) Category E,
- (f) Category H, and
- (g) a data provider in Category F whose annual energy consumption exceeds 160 terajoules (TJ).

(2) A data provider registered in terms of sub-regulation (1) must notify the Department, in writing, of –

- (a) any changes in the data provider's registration details;
- (b) the transfer of ownership or operational control of the legal entity; or
- (c) the discontinuation of an activity,

within 30 days of the date of such change, transfer of ownership or operational control, or the discontinuation of the activity, as the case may be.

(3) The Department may de-register a data provider registered in terms of this regulation.

Reporting requirements for mandatory provision of energy data

5. (1) Subject to sub-regulations (2) and (3), a data provider contemplated in regulation 3(1) must, upon a written request from the Department, in accordance with sub-regulation (4), make available to the Department or a representative of the Department-
- (a) the energy data and information as classified in the Table contained in **Annexure D** to these Regulations; and
 - (b) any other data related to energy that the Department may request.
- (2) A data provider in Category F, whose total annual energy consumption exceeds 160 terajoules (TJ), must -
- (a) measure and collect the energy consumption data for the energy carriers as prescribed in **Annexure B**; and
 - (b) submit the data contemplated in paragraph (a), for the preceding calendar year, to the Department within 90 days of the coming into operation of these Regulations, where after the energy consumption data must be submitted within 90 days of the end of each calendar year.
- (3) A data provider in Category H, must –
- (a) determine the quantity and energy consumption of household appliances introduced to the South African market as prescribed in **Annexure C**; and
 - (b) submit the data contemplated in paragraph (a), for the preceding calendar year, to the Department or a representative of the Department within 90 days of the coming into operation of these Regulations, where after the data shall be submitted within 90 days of the end of each calendar year.
- (4) A written request by the Department contemplated in sub-regulation (1) shall include:
- (a) The type of data to be provided;
 - (b) the definitions and classification of variables for which data is being requested, as well as their units of measurement;
 - (c) the reference period for which the data must be collected;

- (d) the format and manner in which the data must be submitted; and
- (e) the date and time by which the data must be submitted

(5) The data in terms of these Regulations may be periodically collected by the Department or a representative of the Department, and this shall be through:- .

- (a) a standardised form and questionnaire;
- (b) targeted surveys or studies; or
- (c) any other appropriate and generally accepted data collection methods.

(6) In the case of the Department appointing a representative to collect data, the Department shall notify data providers in writing.

(7) Where data required by the Department is already collected by an organ of state, a research institution or an academic institution, classified as a data provider in Category G, the Department may collect such data from that organ of state, research institution or academic institution, instead of requesting it from the data provider.

(8) Failure to submit data requested in terms of these Regulations is an offence in contravention of the Act.

Reporting requirements for mandatory provision energy management plan

6. (1) A data provider in Category F whose total annual energy consumption exceeds 400 terajoules (TJ) must, in addition to complying with regulation 5(2), submit to the Department an energy audit and an energy management plan within 12 months of the coming into operation of these Regulations, and thereafter at regular intervals for a period of five years.

(2) The energy audit and the energy management plan contemplated in sub-regulation (1) must be applicable for a period of five years from the date of submission to the Department and must include—

- (a) an energy baseline;
- (b) the areas of energy efficiency savings potential;
- (c) energy performance indicators for monitoring and measuring energy performance;
- (d) a list of measures to achieve the energy efficiency savings potential, which are technically viable, cost effective and within the financial means of the data provider, and are to be implemented over the five-year period;
- (e) timelines for the implementation of the measures in paragraph (d), and the period for the review of the energy management plan.

(3) An implementation report must be submitted to the Department within 90 days of the end of each calendar year on the implementation of the energy management plan, and the report must at least include—

- (a) annual energy efficiency savings achieved;
- (b) energy efficiency measures implemented; and
- (c) any barriers encountered in trying to achieve the performance improvement anticipated.

Integrity and verification of information and data submitted

7. (1) A data provider must ensure that the data submitted to the Department is true and correct.

(2) The Department may for the purposes of verification of information submitted request supporting documentation from a data provider.

Record Keeping

8. A data provider must keep a record of the information submitted to the Department in terms of these Regulations for a minimum period of five years and must, on request, be made available to the Department.

Publishing data and information

9. In the instance where data collected by the Department is at a very low level of disaggregation, the Department may only place such data and information in the public domain if-

- (a) it is at a level of disaggregation which does not promote unfair competition;
- (b) it does not contravene section 36 of the Promotion of Access to Information Act, 2000 (Act No. 2 of 2000); and
- (c) it does not contravene section 17 of the Statistics Act, 1999 (Act No. 6 of 1999).

Repeal

10. The Regulations on the Mandatory Provision of Energy Data, 2012 published under Government Notice No. R142 of 24 February 2012 is hereby repealed.

Short title and commencement

11. These Regulations are called Regulations on the Mandatory Provision of Energy Data, 2025, and will come into operation on the date of promulgation in the *Gazette*.

Annexure A

Standard Industrial Classification (SIC) Codes for use by Data Providers

21: Mining of coal and lignite
22: Extraction of crude petroleum and natural gas, service activities incidental to oil and gas extraction, excluding surveying
23: Mining of gold and uranium ore
24: Mining of metal ores, except gold and uranium
25: Other mining and quarrying
30: Manufacture of food products, beverages and tobacco products
31: Manufacture textile, clothing and leather goods
32: Manufacture of wood and products cork, excluding furniture, manufacture of articles of straw and plaiting materials, manufacture of paper and paper products, publication, print and repro. Record media
33: Manufacture of coke, refined petroleum products and nuclear fuel, manufacture of chemicals and chemical products , manufacture of rubber and plastic products
34: Manufacture of other non-metallic minerals products
35: Manufacture of basic metals, machinery and machinery and equipment and of office and computing machinery
36: Manufacture of electrical machinery and apparatus
37: Manufacture of radio, television and communication equipment and apparatus and of medical, precision and optical instruments, watches and clocks.
38: Manufacture of transport equipment
39: Manufacture of furniture, manufacturing , recycling
41: Electricity , gas steam and hot water supply

ANNEXURE B

REPORTING ON ENERGY USE AND CONSUMPTION DATA

WHO IS REQUIRED TO PROVIDE ENERGY MANAGEMENT PLAN AND ENERGY DATA

- All legal entities that consume energy are required to develop an Energy Management Plan in accordance with regulations on the new REGULATIONS ON THE MANDATORY PROVISION OF ENERGY DATA - No. R 142 of February 24, 2012.
- All **legal entities** that are requested by the Department of Mineral Resources and Energy to provide data

DEADLINE SUBMISSION DATE

The data contemplated shall be submitted, for the preceding financial year, to the Department within 90 days of the coming into operation of these Regulations, whereafter the data shall be submitted within 60 days of the end of each financial year.

FREQUENCY

Annually

PERIOD COVERED BY DATA

1st January to 31st December of relevant year

DATA SUBMISSION MECHANISM

Data should be submitted through the Energy Efficiency Monitoring System web portal at <http://www.eems.gov.za/> which will come live when the regulations come into effect.

SCHEDULE OF SECTORS AND DESCRIPTION OF DATA REQUIRED

Data is to be provided by legal entities where a facility exceeds the above- threshold contained in the Regulations and operating in the following sub-sectors: all ferrous and non-ferrous metals, cement, lime and plaster, mining, iron & steel, paper & pulp, basic chemicals, other industrial enterprises.

Types of data required are:

1. Details of the responding legal entity, site & contact information.
2. The period over which the energy consumption and activity data (3-5) have been incurred (must be between 1st January and 31st December of any given year).
3. Annual energy consumption per carrier.
4. Quantities of physical output (in the case of manufacturing) of the given entity
5. Main energy consuming activities undertaken on the site.

For all sub-sectors, one (or more) of the following questionnaires will be completed via the online portal. For each facility that exceeds the threshold, a separate questionnaire must be

submitted. For those sub-sectors for which a specific questionnaire does not exist, please use the “Other” questionnaire (Q16-9999999).

QUESTIONNAIRES

QUESTIONNAIRE 1-35202			
Sub-Sector	MANUFACTURE OF ALUMINIUM		
SIC Code	35202	Version	Mar-2022

1. RESPONDENT DETAILS

Please provide details in the table below of the facility for which this response is being made:

Name of Company	
Name of facility	
Contact details	Name:
	E-mail:
	Telephone:

2. REPORTING PERIOD

Please specify which twelve-month period this response relates to:

Calendar Year

3. ENERGY CONSUMPTION

Please enter the total energy consumption of the facility, over the time period specified in Question 2, for each of the energy carriers in the table below:

Energy carrier	Consumption	Units
Electricity		kWh/ MWh/ GWh
Coal		Tonnes
Natural gas		m ³
Off-grid renewable		please specify units
Petroleum products:		
Diesel		Thousands litres
Petrol/gasoline		Thousands litres
Paraffin/kerosene		Thousands litres
LPG		Thousands litres
Light fuel oil		Thousands litres
Heavy fuel oil		Thousands litres
Other		Thousands litres
Total Energy Consumption		TJ

4. PHYSICAL OUTPUT

Please indicate in the table below the production level of the facility over the time period specified in Question 2: with respective activities covered by the response during the reporting period.

Product	Quantity	Units
All aluminium products		thousand tonnes

5. ACTIVITIES

Please indicate which of the activities listed below took place at the site covered by this response during the reporting period:

Primary smelting	
Secondary smelting / alloying	
Casting	

All Aluminium Products		
Activities	Quantity	Units(thousand tonnes)
Primary Smelting		
Secondary smelting/alloying		
Casting		
Total aluminium products		

QUESTIONNAIRE 2-34241			
Sub-Sector	MANUFACTURE OF CEMENT, LIME AND PLASTER		
SIC Code	34241	Version	Mar-2022

1. RESPONDENT DETAILS

Please provide details in the table below of the facility for which this response is being made:

Name of firm	
Name of facility	
Contact details	Name: E-mail: Telephone:

2. REPORTING PERIOD

Please specify which twelve-month period this response relates to:

Calendar Year

3. ENERGY CONSUMPTION IN PRODUCTION OF CLINKER & LIME (Refer to section 5 for blending of cement)

Please enter the total energy consumption of the facility, over the time period specified in Question 2, for each of the energy carriers in the table below:

Energy carrier	Consumption	Units
Electricity		kWh/ MWh/ GWh
Coal		Tonnes
Natural gas		m ³
Off-grid renewable		please specify units
Petroleum products:		
Diesel		Thousands litres
Petrol/gasoline		Thousands litres
Paraffin/kerosene		Thousands litres
LPG		Thousands litres
Light fuel oil		Thousands litres
Heavy fuel oil		Thousands litres
Other		Thousands litres
Total Energy Consumption		TJ

4. PHYSICAL OUTPUT

Please indicate in the table below the production level of the facility over the time period specified in Question 2:

Product	Quantity	Units
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Clinker		thousand tonnes
Lime		thousand tonnes

5. ENERGY CONSUMPTION IN BLENDING OF CEMENT

Please enter the total energy consumption of the facility, over the time period specified in Question 2, for each of the energy carriers in the table below:

Energy carrier	Consumption	Units
Electricity		kWh/ MWh/ GWh
Coal		Tonnes
Natural gas		m ³
Off-grid renewable		please specify units
Petroleum products:		
Diesel		Thousands litres
Petrol/gasoline		Thousands litres
Paraffin/kerosene		Thousands litres
LPG		Thousands litres
Light fuel oil		Thousands litres
Heavy fuel oil		Thousands litres
Other		Thousands litres
Total Energy Consumption		TJ

6. PHYSICAL OUTPUT

Please indicate in the table below the production level of the facility over the time period specified in Question 2:

Product	Quantity	Units
Final cement products		thousand tonnes

5. ACTIVITIES

Please indicate which of the activities listed below took place at the site covered by this response during the reporting period:

Mining	
Milling	
Blending	

Final cement products		
Activities	Quantity	Units(thousand tonnes)
Mining		
Milling		
Blending		
Total final cement product		

QUESTIONNAIRE 3-21			
Sub-Sector	MINING OF COAL		
SIC Code	21	Version	Mar-2022

1. RESPONDENT DETAILS

Please provide details in the table below of the facility for which this response is being made:

Name of firm	
Name of facility	
Contact details	Name: E-mail: Telephone:

2. REPORTING PERIOD

Please specify which twelve-month period this response relates to:

Calendar Year

3. ENERGY CONSUMPTION

Please enter the total energy consumption of the facility, over the time period specified in Question 2, for each of the energy carriers in the table below:

Energy carrier	Consumption	Units
Electricity		kWh/ MWh/ GWh
Coal		Tonnes
Natural gas		m ³
Off-grid renewable		please specify units
Petroleum products:		
Diesel		Thousands litres
Petrol/gasoline		Thousands litres
Paraffin/kerosene		Thousands litres
LPG		Thousands litres
Light fuel oil		Thousands litres
Heavy fuel oil		Thousands litres
Other		Thousands litres
Total Energy Consumption		TJ

4. PHYSICAL OUTPUT

Please indicate in the table below the production level of the facility over the time period specified in Question 2:

Product	Quantity	Units
All coal products		thousand tonnes

5. ACTIVITIES

Please indicate which of the activities listed below took place at the site covered by this response during the reporting period:

Surface mining	
Deep mining	

QUESTIONNAIRE 4-23			
Sub-Sector	MINING OF GOLD		
SIC Code	23	Version	Mar-2022

1. RESPONDENT DETAILS

Please provide details in the table below of the facility for which this response is being made:

Name of firm	
Name of facility	
Contact details	Name: E-mail: Telephone:

2. REPORTING PERIOD

Please specify which twelve-month period this response relates to:

Calendar Year

3. ENERGY CONSUMPTION

Please enter the total energy consumption of the facility, over the time period specified in Question 2, for each of the energy carriers in the table below:

Energy carrier	Consumption	Units
Electricity		kWh/ MWh/ GWh
Coal		Tonnes
Natural gas		m ³
Off-grid renewable		please specify units
Petroleum products:		
Diesel		Thousands litres
Petrol/gasoline		Thousands litres
Paraffin/kerosene		Thousands litres
LPG		Thousands litres
Light fuel oil		Thousands litres
Heavy fuel oil		Thousands litres
Other		Thousands litres
Total Energy Consumption		TJ

4. PHYSICAL OUTPUT

Please indicate in the table below the production level of the facility over the time period specified in Question 2:

Product	Quantity	Units
Ore mined		thousand tonnes
Final product		kg

QUESTIONNAIRE 5-252			
Sub-Sector	MINING OF DIAMONDS		
SIC Code	252	Version	Mar-2022

1. RESPONDENT DETAILS

Please provide details in the table below of the facility for which this response is being made:

Name of firm	
Name of facility	
Contact details	Name: E-mail: Telephone:

2. REPORTING PERIOD

Please specify which twelve-month period this response relates to:

Calendar Year

3. ENERGY CONSUMPTION

Please enter the total energy consumption of the facility, over the time period specified in Question 2, for each of the energy carriers in the table below:

Energy carrier	Consumption	Units
Electricity		kWh/ MWh/ GWh
Coal		Tonnes
Natural gas		m3
Off-grid renewable		please specify units
Petroleum products:		
Diesel		Thousands litres
Petrol/gasoline		Thousands litres
Paraffin/kerosene		Thousands litres
LPG		Thousands litres
Light fuel oil		Thousands litres
Heavy fuel oil		Thousands litres
Other		Thousands litres
Total Energy Consumption		TJ

4. PHYSICAL OUTPUT

Please indicate in the table below the production level of the facility over the time period specified in Question 2:

Product	Quantity	Units
Material processed		thousand tonnes
Final product		carats

5. ACTIVITIES

Please indicate which of the activities listed below took place at the site covered by this response during the reporting period:

Surface mining	
Deep mining	

Product	Activities	Quantity
Material processed	Surface mining	
	Deep mining	
Total(thousand tonnes)		
Final product	Surface mining	
	Deep mining	
Total(carrats)		

QUESTIONNAIRE 6 -2410			
Sub-Sector	MINING OF IRON ORE		
SIC Code	2410	Version	Mar-2022

1. RESPONDENT DETAILS

Please provide details in the table below of the facility for which this response is being made:

Name of firm	
Name of facility	
Contact details	Name: E-mail: Telephone:

2. REPORTING PERIOD

Please specify which twelve-month period this response relates to:

Calendar Year

3. ENERGY CONSUMPTION

Please enter the total energy consumption of the facility, over the time period specified in Question 2, for each of the energy carriers in the table below:

Energy carrier	Consumption	Units
Electricity		kWh/ MWh/ GWh
Coal		Tonnes
Natural gas		m ³
Off-grid renewable		please specify units
Petroleum products:		
Diesel		Thousands litres
Petrol/gasoline		Thousands litres
Paraffin/kerosene		Thousands litres
LPG		Thousands litres
Light fuel oil		Thousands litres
Heavy fuel oil		Thousands litres
Other		Thousands litres
Total Energy Consumption		TJ

4. PHYSICAL OUTPUT

Please indicate in the table below the production level of the facility over the time period specified in Question 2:

Product	Quantity	Units
Iron ore mined		thousand tonnes

5. ACTIVITIES

Please indicate which of the activities listed below took place at the site covered by this response during the reporting period:

Surface mining	
Deep mining	

QUESTIONNAIRE 7-2421			
Sub-Sector	MINING & SMELTING OF CHROMITE		
SIC Code	2421	Version	Mar-2022

1. RESPONDENT DETAILS

Please provide details in the table below of the facility for which this response is being made:

Name of firm	
Name of facility	
Contact details	Name: E-mail: Telephone:

2. REPORTING PERIOD

Please specify which twelve-month period this response relates to:

Calendar Year

3. ENERGY CONSUMPTION IN MINING OF CHROMITE (see section 5 below for smelting)

Please enter the total energy consumption of the facility, over the time period specified in Question 2, for each of the energy carriers in the table below:

Energy carrier	Consumption	Units
Electricity		kWh/ MWh/ GWh
Coal		Tonnes
Natural gas		m3
Off-grid renewable		please specify units
Petroleum products:		
Diesel		Thousands litres
Petrol/gasoline		Thousands litres
Paraffin/kerosene		Thousands litres
LPG		Thousands litres
Light fuel oil		Thousands litres
Heavy fuel oil		Thousands litres
Other		Thousands litres
Total Energy Consumption		TJ

4. PHYSICAL OUTPUT

Please indicate in the table below the production level of the facility over the time period specified in Question 2:

Product	Quantity	Units
Chromite		thousand tonnes

5. ACTIVITIES

Please indicate which of the activities listed below took place at the site covered by this response during the reporting period:

Surface mining	
Deep mining	

6. ENERGY CONSUMPTION IN SMELTING CHROMITE

Please enter the total energy consumption of the facility, over the time period specified in Question 2, for each of the energy carriers in the table below:

Energy carrier	Consumption	Units
Electricity		kWh/ MWh/ GWh
Coal		Tonnes
Natural gas		m ³
Off-grid renewable		please specify units
Petroleum products:		
Diesel		Thousands litres
Petrol/gasoline		Thousands litres
Paraffin/kerosene		Thousands litres
LPG		Thousands litres
Light fuel oil		Thousands litres
Heavy fuel oil		Thousands litres
Other		Thousands litres
Total Energy Consumption		TJ

7. PHYSICAL OUTPUT (SMELTING)

Please indicate in the table below the production level of the facility over the time period specified in Question 2:

Product	Quantity	Units
Ferrochrome		thousand tonnes

QUESTIONNAIRE 8-2423			
Sub-Sector	MINING & SMELTING OF MANGANESE		
SIC Code	2423	Version	Mar-2022

1. RESPONDENT DETAILS

Please provide details in the table below of the facility for which this response is being made:

Name of firm	
Name of facility	
Contact details	Name: E-mail: Telephone:

2. REPORTING PERIOD

Please specify which twelve-month period this response relates to:

Calendar Year

3. ENERGY CONSUMPTION IN MINING MANGANESE ORE (refer to section 5 for smelting)

Please enter the total energy consumption of the facility, over the time period specified in Question 2, for each of the energy carriers in the table below:

Energy carrier	Consumption	Units
Electricity		kWh/ MWh/ GWh
Coal		Tonnes
Natural gas		m ³
Off-grid renewable		please specify units
Petroleum products:		
Diesel		Thousands litres
Petrol/gasoline		Thousands litres
Paraffin/kerosene		Thousands litres
LPG		Thousands litres
Light fuel oil		Thousands litres
Heavy fuel oil		Thousands litres
Other		Thousands litres
Total Energy Consumption		TJ

4. PHYSICAL OUTPUT

Please indicate in the table below the production level of the facility over the time period specified in Question 2:

Product	Quantity	Units
Manganese Ore		thousand tonnes

5. ACTIVITIES

Please indicate which of the activities listed below took place at the site covered by this response during the reporting period:

Surface mining	
Deep mining	

6. ENERGY CONSUMPTION IN SMELTING MANGANESE

Please enter the total energy consumption of the facility, over the time period specified in Question 2, for each of the energy carriers in the table below:

Energy carrier	Consumption	Units
Electricity		kWh/ MWh/ GWh
Coal		Tonnes
Natural gas		m ³
Off-grid renewable		please specify units
Petroleum products:		
Diesel		Thousands litres
Petrol/gasoline		Thousands litres
Paraffin/kerosene		Thousands litres
LPG		Thousands litres
Light fuel oil		Thousands litres
Heavy fuel oil		Thousands litres
Other		Thousands litres
Total Energy Consumption		TJ

7. PHYSICAL OUTPUT (SMELTING)

Please indicate in the table below the production level of the facility over the time period specified in Question 2:

Product	Quantity	Units
Ferromanganese		thousand tonnes
Silicomanganese		thousand tonnes

QUESTIONNAIRE 9-2424			
Sub-Sector	MINING OF PLATINUM		
SIC Code	2424	Version	Mar-2022

1. RESPONDENT DETAILS

Please provide details in the table below of the facility for which this response is being made:

Name of firm	
Name of facility	
Contact details	Name: E-mail: Telephone:

2. REPORTING PERIOD

Please specify which twelve-month period this response relates to:

Calendar Year

3. ENERGY CONSUMPTION

Please enter the total energy consumption of the facility, over the time period specified in Question 2, for each of the energy carriers in the table below:

Energy carrier	Consumption	Units
Electricity		kWh/ MWh/ GWh
Coal		Tonnes
Natural gas		m ³
Off-grid renewable		please specify units
Petroleum products:		
Diesel		Thousands litres
Petrol/gasoline		Thousands litres
Paraffin/kerosene		Thousands litres
LPG		Thousands litres
Light fuel oil		Thousands litres
Heavy fuel oil		Thousands litres
Other		Thousands litres
Total Energy Consumption		TJ

4. PHYSICAL OUTPUT

Please indicate in the table below the production level of the facility over the time period specified in Question 2:

Product	Quantity	Units
Ore processed		thousand tonnes
Total platinum group metals		kg

5. ACTIVITIES

Please indicate which of the activities listed below took place at the site covered by this response during the reporting period:

Surface mining	
Deep mining	

QUESTIONNAIRE 10-2429			
Sub-Sector	MINING OF VANADIUM		
SIC Code	2429	Version	Mar-2022

1. RESPONDENT DETAILS

Please provide details in the table below of the facility for which this response is being made:

Name of firm	
Name of facility	
Contact details	Name: E-mail: Telephone:

2. REPORTING PERIOD

Please specify which twelve-month period this response relates to:

Calendar Year

3. ENERGY CONSUMPTION IN MINING VANADIUM ORE (refer to section 5 for smelting)

Please enter the total energy consumption of the facility, over the time period specified in Question 2, for each of the energy carriers in the table below:

Energy carrier	Consumption	Units
Electricity		kWh/ MWh/ GWh
Coal		Tonnes
Natural gas		m ³
Off-grid renewable		please specify units
Petroleum products:		
Diesel		Thousands litres
Petrol/gasoline		Thousands litres
Paraffin/kerosene		Thousands litres
LPG		Thousands litres
Light fuel oil		Thousands litres
Heavy fuel oil		Thousands litres
Other		Thousands litres
Total Energy Consumption		TJ

4. PHYSICAL OUTPUT

Please indicate in the table below the production level of the facility over the time period specified in Question 2:

Product	Quantity	Units
Vanadium ore		thousand tonnes

5. ACTIVITIES

Please indicate which of the activities listed below took place at the site covered by this response during the reporting period:

Surface mining	
Deep mining	

6. ENERGY CONSUMPTION IN SMELTING VANADIUM

Please enter the total energy consumption of the facility, over the time period specified in Question 2, for each of the energy carriers in the table below:

Energy carrier	Consumption	Units
Electricity		kWh/ MWh/ GWh
Coal		Tonnes
Natural gas		m ³
Off-grid renewable		please specify units
Petroleum products:		
Diesel		Thousands litres
Petrol/gasoline		Thousands litres
Paraffin/kerosene		Thousands litres
LPG		Thousands litres
Light fuel oil		Thousands litres
Heavy fuel oil		Thousands litres
Other		Thousands litres
Total Energy Consumption		TJ

7. PHYSICAL OUTPUT (SMELTING)

Please indicate in the table below the production level of the facility over the time period specified in Question 2:

Product	Quantity	Units
Ferrovandium		thousand tonnes
Vanadium pentoxide		thousand tonnes

QUESTIONNAIRE 11-3231			
Sub-Sector	MANUFACTURE OF PULP AND PAPER PRODUCTS		
SIC Code	3231	Version	Mar-2022

1. RESPONDENT DETAILS

Please provide details in the table below of the facility for which this response is being made:

Name of firm	
Name of facility	
Contact details	Name: E-mail: Telephone:

2. REPORTING PERIOD

Please specify which twelve-month period this response relates to:

Calendar Year

3. ENERGY CONSUMPTION

Please enter the total energy consumption of the facility, over the time period specified in Question 2, for each of the energy carriers in the table below:

Energy carrier	Consumption	Units
Electricity		kWh/ MWh/ GWh
Coal		Tonnes
Natural gas		m ³
Off-grid renewable		please specify units
Petroleum products:		
Diesel		Thousands litres
Petrol/gasoline		Thousands litres
Paraffin/kerosene		Thousands litres
LPG		Thousands litres
Light fuel oil		Thousands litres
Heavy fuel oil		Thousands litres
Other		Thousands litres
Total Energy Consumption		TJ

4. PHYSICAL OUTPUT

Please indicate in the table below the production level of the facility over the time period specified in Question 2:

Product	Quantity	Units
Total pulp and paper products		thousand tonnes

QUESTIONNAIRE 12-351			
Sub-Sector	MANUFACTURE OF IRON AND STEEL		
SIC Code	351	Version	Mar-2022

1. RESPONDENT DETAILS

Please provide details in the table below of the facility for which this response is being made:

Name of firm	
Name of facility	
Contact details	Name: E-mail: Telephone:

2. REPORTING PERIOD

Please specify which twelve-month period this response relates to:

Calendar Year

3. ENERGY CONSUMPTION

Please enter the total energy consumption of the facility, over the time period specified in Question 2, for each of the energy carriers in the table below:

Energy carrier	Consumption	Units
Electricity		kWh/ MWh/ GWh
Coal		Tonnes
Natural gas		m ³
Off-grid renewable		please specify units
Petroleum products:		
Diesel		Thousands litres
Petrol/gasoline		Thousands litres
Paraffin/kerosene		Thousands litres
LPG		Thousands litres
Light fuel oil		Thousands litres
Heavy fuel oil		Thousands litres
Other		Thousands litres
Total Energy Consumption		TJ

4. PHYSICAL OUTPUT

Please indicate in the table below the production level of the facility over the time period specified in Question 2:

Product	Quantity	Units
Crude steel		thousand tonnes
Final products		thousand tonnes

5. ACTIVITIES

Please indicate which of the activities listed below took place at the site covered by this response during the reporting period:

Blast furnace	
Direct reduction iron-making (including Corex)	
Basic oxygen furnace	
Electric arc furnace	
Reheating furnace	

Product	Activities	Quantity	Units(thousand tonnes)
Crude steel	Blast furnace		
	Direct reduction iron-making (including Corex)		
	Basic oxygen furnace		
	Electric arc furnace		
	Reheating furnace		
Final product			
	Direct reduction iron-making (including Corex)		
	Basic oxygen furnace		
	Electric arc furnace		
	Reheating furnace		

QUESTIONNAIRE 13-334			
Sub-Sector	MANUFACTURE OF BASIC CHEMICALS		
SIC Code	334	Version	Mar-2022

1. RESPONDENT DETAILS

Please provide details in the table below of the facility for which this response is being made:

Name of firm	
Name of facility	
Contact details	Name: E-mail: Telephone:

2. REPORTING PERIOD

Please specify which twelve-month period this response relates to:

Calendar Year

3. ENERGY CONSUMPTION

Please enter the total energy consumption of the facility, over the time period specified in Question 2, for each of the energy carriers in the table below:

Energy carrier	Consumption	Units
Electricity		kWh/ MWh/ GWh
Coal		Tonnes
Natural gas		m ³
Off-grid renewable		please specify units
Petroleum products:		
Diesel		Thousands litres
Petrol/gasoline		Thousands litres
Paraffin/kerosene		Thousands litres
LPG		Thousands litres
Light fuel oil		Thousands litres
Heavy fuel oil		Thousands litres
Other		Thousands litres
Total Energy Consumption		TJ

4. PHYSICAL OUTPUT

Please indicate in the table below, for each category of product, the production level of the facility over the time period specified in Question 2:

Product category	Quantity	Units
Basic organic and inorganic chemicals, industrial		thousand tonnes

gases, except fertilizers and nitrogen compounds		
Fertilizers and Nitrogen Compounds		thousand tonnes
Primary plastics, polymers, resins, synthetic rubber		thousand tonnes

QUESTIONNAIRE 14-335			
Sub-Sector	MANUFACTURE OF OTHER CHEMICALS		
SIC Code	335	Version	Mar-2022

1. RESPONDENT DETAILS

Please provide details in the table below of the facility for which this response is being made:

Name of firm	
Name of facility	
Contact details	Name: E-mail: Telephone:

2. REPORTING PERIOD

Please specify which twelve-month period this response relates to:

Calendar Year

3. ENERGY CONSUMPTION

Please enter the total energy consumption of the facility, over the time period specified in Question 2, for each of the energy carriers in the table below:

Energy carrier	Consumption	Units
Electricity		kWh/ MWh/ GWh
Coal		Tonnes
Natural gas		m3
Off-grid renewable		please specify units
Petroleum products:		
Diesel		Thousands litres
Petrol/gasoline		Thousands litres
Paraffin/kerosene		Thousands litres
LPG		Thousands litres
Light fuel oil		Thousands litres
Heavy fuel oil		Thousands litres
Other		Thousands litres
Total Energy Consumption		TJ

4. PHYSICAL OUTPUT

Please indicate in the table below, for each category of product, the production level of the facility over the time period specified in Question 2:

Product category	Quantity	Units
Pesticides and other agro-chemical products		thousand tonnes
Paints, varnishes and similar coatings, printing ink and mastics		thousand tonnes

Pharmaceuticals, medicinal chemicals and botanical products		thousand tonnes
Soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations		thousand tonnes
Man-made fibres		thousand tonnes

QUESTIONNAIRE 15-3529999			
Sub-Sector	MANUFACTURE OF FERROALLOYS AND OTHER NON FERROUS METAL PRODUCTS		
SIC Code	3529999	Version	Mar-2022

1. RESPONDENT DETAILS

Please provide details in the table below of the facility for which this response is being made:

Name of firm	
Name of facility	
Contact details	Name: E-mail: Telephone:

2. REPORTING PERIOD

Please specify which twelve-month period this response relates to:

Calendar Year

3. ENERGY CONSUMPTION

Please enter the total energy consumption of the facility, over the time period specified in Question 2, for each of the energy carriers in the table below:

Energy carrier	Consumption	Units
Electricity		kWh/ MWh/ GWh
Coal		Tonnes
Natural gas		m3
Off-grid renewable		please specify units
Petroleum products:		
Diesel		Thousands litres
Petrol/gasoline		Thousands litres
Paraffin/kerosene		Thousands litres
LPG		Thousands litres
Light fuel oil		Thousands litres
Heavy fuel oil		Thousands litres
Other		Thousands litres
Total Energy Consumption		TJ

4. PHYSICAL OUTPUT

Please indicate in the table below, for each category of product, the production level of the facility over the time period specified in Question 2:

Product category	Quantity	Units
Ferrochrome		thousand tonnes
Ferromanganese		thousand tonnes

Product category	Quantity	Units
Silicomanganese		thousand tonnes
Ferrovandium		thousand tonnes
Vanadium pentoxide		thousand tonnes

QUESTIONNAIRE 16-9999999			
Sub-Sector	OTHER		
SIC Code	9999999	Version	Mar-2022

1. RESPONDENT DETAILS

Please provide details in the table below of the facility for which this response is being made:

Name of firm	
Name of facility	
Contact details	Name: E-mail: Telephone:

2. REPORTING PERIOD

Please specify which twelve-month period this response relates to:

Calendar Year

3. ENERGY CONSUMPTION

Please enter the total energy consumption of the facility, over the time period specified in Question 2, for each of the energy carriers in the table below:

Energy carrier	Consumption	Units
Electricity		kWh/ MWh/ GWh
Coal		Tonnes
Natural gas		m ³
Off-grid renewable		please specify units
Petroleum products:		
Diesel		Thousands litres
Petrol/gasoline		Thousands litres
Paraffin/kerosene		Thousands litres
LPG		Thousands litres
Light fuel oil		Thousands litres
Heavy fuel oil		Thousands litres
Other		Thousands litres
Total Energy Consumption		TJ

4. PHYSICAL OUTPUT

Please indicate in the table below, for each category of product, the production level of the facility over the time period specified in Question 2:

Product category	Quantity	Units

5. ECONOMIC OUTPUT

Please indicate in the table below the economic output produced during the reporting period to which this response applies:

Quantity	Output produced	Units
Gross output		million Rand

Annexure to the Regulations

Annexure C:

Major Group - SIC Code 36: Manufacture of electronic and other electrical equipment and components (Except Computer Equipment)

SIC Code	Industry Group 363: Household Appliances
3631	Household Cooking Equipment
3632	Household Refrigerators and Freezers
3633	Household Laundry Equipment
3634	Electric Housewares and Fans
3635	Household Vacuum cleaners
3639	Household Appliances, Not Elsewhere Classified

List of household appliances applicable to these Regulations:

1. Air Conditioners (not exceeding 5 kw)
2. Washing machines
3. Washer-dryer combination
4. Tumble dryers
5. Electric lamps
6. Electric water heaters (geysers)
7. Dish washers
8. Refrigerators
9. Fridge freezers
10. Freezers (upright & chest freezers)
11. Audio & video equipment
12. Electric ovens

Annexure C:**REPORTING ON HOUSEHOLD APPLIANCE CONSUMPTION DATA****INTRODUCTION**

The comments listed below are in support of energy data collection for the Standards and Labelling (S&L) Project. The objective of the S&L Project is to reduce the energy consumption of household appliances by increasing the number of energy efficient in the SA market through the introduction of Minimum Energy Performance Standards (MEPS). The project's measure of success will thus be determined by the total amount of energy savings derived from the number of appliances in the market that comply with the set MEPS.

WHO IS REQUIRED TO PROVIDE HOUSEHOLD APPLIANCE DATA

All legal entities that operate in the Industry Group 363 for Household Appliances under SIC Code 36; and that manufacture and or imports household appliances listed in Annexure C.

DEADLINE SUBMISSION DATE

The data contemplated shall be submitted, for the preceding financial year, to the Department within 90 days of the coming into operation of these Regulations, where after the data shall be submitted within 60 days of the end of each financial year.

FREQUENCY OF SUBMISSION OF DATA

Annually

PERIOD COVERED BY DATA

1st January to 31st December of relevant year

DATA SUBMISSION MECHANISM

Data should be submitted through the Energy Efficiency Monitoring System web portal at <http://www.eems.gov.za>

TYPES OF DATA REQUIRED

1. Details of the responding legal entity, site & contact information.
2. The period over which the energy data have been captured (must be between 1st January and 31st December of any given year).

3. Appliance annual energy use.
4. Quantities of appliances introduced into the South African market.

Data providers for household appliance data are required to complete the questionnaire below and depending on the type of appliances manufactured, each manufacturer will complete one or more of the tables listed under segment 3 of the questionnaire:

QUESTIONNAIRE 1-363

Sector	Manufacturing of Electric and Other Equipment and Components		
Sub-Sector	Household Appliances (SIC Code 363)		
SIC Code	3631 - 3639	Version	Jul-2015-v1

1. RESPONDENT DETAILS

Please provide details in the table below of the manufacturer for which this response is being made:

Name of company	
Contact details	Name:
	E-mail:
	Telephone:
Appliance(s) manufactured/imported	

2. REPORTING PERIOD

Please specify which twelve-month period this response relates to:

Calendar Year

3. REQUIRED DATA FOR MANUFACTURER SUBMISSION

Please enter required data below:

a. Televisions

Attributes	Input	Notes
Model number		Manufacturer part number
Year Manufactured		
Brand Name		Consumer brand
Type		Plasma/LCD /LED
Screen size (in)		32'/42'/55', etc.
Energy Use (kWh/yr)		Annual consumption
Operating Power (W)		On mode power
Standby Power (W)		Standby/Sleep power
Energy Class		Verified energy class

Annual Sales		Units introduced into SA market
MSRP		Manufacturer Suggested Retail Price

b. Refrigerators and Fridge-Freezers

Attributes	Input	Notes
Model number		Manufacturer part number
Year Manufactured		
Brand Name		Consumer brand
Fridge volume (L)		
Freezer volume (L)		
Energy Use (kWh/yr)		Annual consumption
Energy Class		Verified energy class
Annual Sales		Units introduced into SA market
MSRP		Manufacturer Suggested Retail Price

c. Freezers

Attributes	Input	Notes
Model number		Manufacturer part number
Year Manufactured		
Brand Name		Consumer brand
Type		Chest/upright
Volume (L)		
Energy Use (kWh/yr)		Annual consumption
Energy Class		Verified energy class
Annual Sales		Units introduced into SA market
MSRP		Manufacturer Suggested Retail Price

d. Electric Ovens

Attributes	Input	Notes
Model number		Manufacturer part number
Year Manufactured		
Brand Name		Consumer brand
Type		Built-in/freestanding
Capacity (L)		
Operating Power (W)		On mode power
Energy Class		Verified energy class
Annual Sales		Units introduced into SA market
MSRP		Manufacturer Suggested Retail Price

e. Dishwashers

Attributes	Input	Notes
Model number		Manufacturer part number
Year Manufactured		
Brand Name		Consumer brand
Installation type		Built-in/freestanding
Capacity (kg)		Max. washing load per cycle

Height (cm)		
Width (cm)		
Depth (cm)		
Energy Use (kWh/yr)		Annual consumption
Noise level (db)		Machine noise level
Annual water use (L/yr)		Water used for washing dishes
Energy Class		Verified energy class
Annual Sales		Units introduced into SA market
MSRP		Manufacturer Suggested Retail Price

f. Room Air Conditioners

Attributes	Input	Notes
Model number		Manufacturer part number
Year Manufactured		
Brand Name		Consumer brand
Type		Portable/split
Cooling capacity (BTU/hr)		Consumption
Operating Power (W)		On mode power
Noise level (db)		Air conditioner noise level
Energy Class		Verified energy class
Annual Sales		Units introduced into SA market
MSRP		Manufacturer Suggested Retail Price

g. Clothes Washers

Attributes	Input	Notes
Model number		Manufacturer part number
Year Manufactured		
Brand Name		Consumer brand
Installation type		Built-in/freestanding
Capacity (kg)		Max. washing load per cycle
Energy Use (kWh/yr)		Annual consumption
Noise level (db)		Machine noise level
Annual water use (L/yr)		Water used for washing clothes
Energy Class		Verified energy class
Annual Sales		Units introduced into SA market
MSRP		Manufacturer Suggested Retail Price

h. Clothes Dryers

Attributes	Input	Notes
Model number		Manufacturer part number
Year Manufactured		
Brand Name		Consumer brand
Installation type		Built-in/freestanding
Capacity (kg)		Max. washing load per cycle
Energy Use (kWh/yr)		Annual consumption
Noise level (db)		Machine noise level

Energy Class		Verified energy class
Annual Sales		Units introduced into SA market
MSRP		Manufacturer Suggested Retail Price

i. Clothes Washer-Dryers

Attributes	Input	Notes
Model number		Manufacturer part number
Year Manufactured		
Brand Name		Consumer brand
Installation type		Built-in/freestanding
Capacity (kg)		Max. washing load per cycle
Energy Use (kWh/yr)		Annual consumption
Noise level (db)		Machine noise level
Annual water use (L/yr)		Water used washing clothes
Energy Class		Verified energy class
Annual Sales		Units introduced into SA market
MSRP		Manufacturer Suggested Retail Price

j. Electric Geysers

Attributes	Input	Notes
Model number		Manufacturer part number
Year Manufactured		
Brand Name		Consumer brand
Type		Vertical/Horizontal
Volume (L)		100L/150L/200L
Energy Use (kWh/yr)		Annual consumption
Operating Power (W)		On mode power
Energy Class		Verified energy class
Annual Sales		Units introduced into SA market
MSRP		Manufacturer Suggested Retail Price

k. Lamps

Attributes	Input	Notes
Model number		Manufacturer part number
Year Manufactured		
Brand Name		Consumer brand
Type		Incandescent/CFL /LED
Energy Use (kWh/yr)		Annual consumption
Operating Power (W)		On mode power
Energy Class		Verified energy class
Annual Sales		Units introduced into SA market
MSRP		Manufacturer Suggested Retail Price

ANNEXURE D		Coal	Crude Oil	Petroleum products	Gas	Nuclear	Hydro	Geothermal solar	Renewables & Waste	Electricity	Heat
CATEGORY A	<p>ACTIVITY</p> <p>(i) Data regarding seismic, drilling, logging, discoveries, concessions, leases, prospecting, exploration, permits, production activities, efficiency and reserves of energy minerals.</p> <p>(ii) Data regarding import, export, quality, sources, prices, volumes, capacity, cost, efficiency, technology and reserves of all primary energy commodities excluding renewable energy sources; and</p> <p>(iii) data regarding the capacity, costs, imports, efficiency and technologies of renewable energy sources.</p> <p>(iv) Data regarding the production capacity, utilisation, availability, total output, efficiency, technology, input costs of energy transformation inputs; and</p> <p>(v) data regarding import, export, quality, sources, prices, volumes, capacity, cost, efficiency, and technology of secondary energy commodities.</p> <p>(vi) Data regarding capacity and utilisation of logistics and infrastructure, transmission, distribution of energy carriers as well as associated costs, optimisation and tariffs.</p> <p>(vii) Data related to energy consumption, utilisation, efficiency, co-generation and end use of energy within an industry represented by an association.</p> <p>(viii) Data regarding volumes, prices, efficiency, type of energy and energy services used within the residential, industrial, mining, commercial, transport, agriculture and other sectors as defined by the SIC.</p> <p>(ix) State organ's data, research and plans which are related to energy; and</p> <p>(x) Energy data collected from other sources, Category H Data relating to energy consumption of appliances operating in the Industry Group 363 for Household Appliances under the SIC Code 36.</p>	Dependent on Variables of interest	Dependent on Variables of interest	Dependent on Variables of interest	Dependent on Variables of interest	Dependent on Variables of interest	Dependent on Variables of interest	Dependent on Variables of interest	Dependent on Variables of interest	Dependent on Variables of interest	
CATEGORY B		Tons, Kg, Rand per ton of coal etc	Barrels, Tons, Price per barrel etc	Not applicable	MMbbi, Mmboe, Kg, Cubic metres, Density (kg/m ³), GCV, Price per cubic metre, Terajoules, etc	Tons of Uranium	Not applicable	TJ, MW etc	Not applicable	MW/h	Not applicable
CATEGORY C		Tons, price per ton, calorific values, etc	Barrels, tons, price per barrel calorific values, etc	Kl, Metric tons, tons of oil equivalent, Tons of coal equivalent, etc	Kg, Cubic Metres, Density, Price per cubic metre, Terajoules, etc	Tons of Uranium	Dependent on Variables of interest	TJ, MW etc	TJ	MW/h	TJ
CATEGORY D		Dependent on Variables of interest	Barrels, tons, price per barrel calorific values, etc	Kl, Metric tons, tons of oil equivalent, Tons of coal equivalent, etc	Kg, Cubic Metres, Price per Kg, Terajoules, etc	MW/h	MW/h	MW/h	MW/h	MW/h	TJ
CATEGORY E		Tons, price per ton, calorific values, etc	See Annexure	see Annexure	see Annexure	see Annexure	see Annexure	see Annexure	see Annexure	see Annexure	see Annexure
CATEGORY F		see Annexure	see Annexure	see Annexure	see Annexure	see Annexure	see Annexure	see Annexure	see Annexure	see Annexure	see Annexure
CATEGORY G and H		Dependent on Variables of interest	Dependent on Variables of interest	Dependent on Variables of interest	Dependent on Variables of interest	Dependent on Variables of interest	Dependent on Variables of interest	Dependent on Variables of interest	Dependent on Variables of interest	Dependent on Variables of interest	Dependent on Variables of interest

