



## RCO Compliance Data reporting (Form A) - DCs with CPP & Open Access

### Section A – Basic Information

Name of Designated Consumer	
Energy Intensive Sector of Designated Consumer	
Registration No. of Designated Consumer	
Type of obligation(s) of Designated Consumer	
Target Year FY ( _- _ )	
Compliance Period (Quarter / Annual)	

### Section B – Gross Total Energy Consumption (Fossil based + Non-fossil based)

Particulars	Unit	Total Energy
<b>Own Electricity Generation, Net after deducting Auxiliary Power Consumption (APC)*** (Sub-Total)</b>	<b>MU</b>	<b>0.000</b>
Total Fossil based electricity generation *	MU	
Fossil based electricity from WHR **	MU	
Fossil based electricity from Waste Energy Recovery (WER) <sup>ii</sup>	MU	
Ex-Bus Electricity generation from Fossil based Auxiliary Firing in WHR & WER System <sup>iii</sup>	MU	
Balance Fossil based energy generation other than WHR and WER <sup>(1)</sup>	MU	0.000
Co-generation component of Balance Fossil based generation (other than WHR and WER) <sup>(2)</sup>	MU	
APC corresponding to Generation including 50% Cogen and excluding WHR <sup>(3)</sup>	MU	
<b>Electricity Purchase through Open Access and Banking (Sub-Total)</b>	<b>MU</b>	<b>0.000</b>
Fossil based energy (through PPA/Bilateral and Power Exchanges)	MU	
Banking (Draw) of Electricity <sup>(4)</sup>	MU	
<b>Electricity Purchase from Discom (Not included in RCO calculations)</b>	<b>MU</b>	
<b>Electricity Sales and Banking (Sub-Total)</b>	<b>MU</b>	<b>0.000</b>
Fossil based electricity sales (PPA/Bilateral and Power Exchange)	MU	
Banking (Storage) of Electricity <sup>(4)</sup>	MU	
<b>Electricity Consumption at Aluminium Smelter (if applicable)</b>	<b>MU</b>	
<b>Gross Total Electricity Consumption on which Renewable Consumption Obligations is applicable</b>	<b>MU</b>	<b>0.000</b>

### Section C – Renewable Electricity Consumption

Particulars	Unit	Total Energy
<b>RE Own Generation, Purchase and Banking <sup>††</sup> (Sub-Total)</b>	<b>MU</b>	<b>0.000</b>
Generation (except firing of RE fuel in CPP) and Purchase of All Renewable Electricity (except purchase from Discom) <sup>(5)</sup>	MU	
Ex-bus electrical energy generated by combustion of renewable fuels including Co-firing <sup>†</sup>	MU	
Purchase of Renewable Electricity from Discom <sup>(6)</sup>	MU	
Banking (Draw) of Electricity <sup>(4)</sup>	MU	
<b>RE Sales and Banking <sup>††</sup> (Sub-Total)</b>	<b>MU</b>	<b>0.000</b>
Sale of All Renewable Energy <sup>(5)</sup>	MU	
Banking (Storage) of Electricity <sup>(4)</sup>	MU	
<b>Energy Equivalent of GH<sub>2</sub> Consumed <sup>##</sup></b>	<b>MU</b>	
<b>Energy Equivalent of Green Ammonia Consumed <sup>##</sup></b>	<b>MU</b>	
<b>Gross Non-fossil based Electricity Consumption</b>	<b>MU</b>	<b>0.000</b>
<b>Renewable Energy Certificates (RECs) <sup>†††</sup></b>	<b>MU</b>	<b>0.000</b>
Number of RECs Purchased	No. of Certificates	
Number of RECs Self-Retained	No. of Certificates	

### Section D – RCO Compliance Summary (Target Year)

Particular	Unit	Values
RCO (%) notified by MoP	%	0.00%
Renewable Consumption Obligation Target	MU	0.000
Compliance	MU	0.000
Compliance (%)	%	0.00%
Surplus / Deficit <sup>#</sup>	MU	0.000
Surplus / Deficit <sup>#</sup> (%)	%	0.00%

#### Legend:

Data Entry Not Allowed	Data to be Entered by User	Calculated Data
<b>Undertaking</b> I/We undertake that the information supplied in this Renewable Consumption Obligations Compliance Declaration Form For Obligated Designated Consumers is accurate to the best of my knowledge and if any of the information supplied is found to be incorrect and such information results into loss to the Central Government or any of the authority under them or any other person affected, I/we undertake to indemnify such loss. I /We agree to extend necessary assistance in case of any enquiry to be made in the matter.		
<b>For Designated Consumer</b>  Signature and Seal of Energy Manager / Plant Head	<b>AEA Number and Signature of Authorised AEA</b> (For Empaneled AEA Agency)  Name and Seal of Empaneled AEA Agency	

Particulars	Unit	Total Energy

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## Important Instructions and Notes:

**Renewable Consumption Obligations (%Target) specified by MoP will be auto-populated in the Form A**, once the Target Year (i.e. the financial year for which RCO Compliance is being evaluated) is entered in Form A.

**Electrical Energy Consumption is to be entered in Million Units (MU) throughout all worksheets in this workbook.**

The superscript notations at the beginning of each of the following notes point to the relevant location in Form A to which these notes refer to.

<sup>\*\*\*</sup> All Own Energy Generation should be reported as Net Generation after deduction of auxiliary power consumption in the respective power plant. This includes Total Fossil based generation, including generation from WHR. AEA / ACV Agency to review the auxiliary power consumption records and confirm prior to endorsing the Form A and Form B.

\* This is the total fossil based component of energy generation from CPP including generation from WHR.

\*\* This is all Non-RE based energy generated from WHR, which is exempted from RCO obligation. This is hence reported separately, and subtracted from total fossil based energy generation. This value shall be reported based on generation meter readings where available. Where a calculation of this value is necessary, the calculation methodology for determining this value shall be as provided in the Operational Procedures published by BEE.

<sup>!!</sup> This is the total fossil based electricity generated through waste energy recovery from Industrial Processes. Any calculation methodology where essential, shall be as provided in the Operational Procedures published by BEE.

<sup>!!!</sup> This value is only applicable in case of auxiliary firing of fossil based fuels in waste heat recovery boilers (WHRBs). The calculation methodology for determining this value shall be as provided in the Operational Procedures published by BEE.

<sup>(1)</sup> This is the total fossil based component of electricity generation other than WHR and Waste Energy Recovery based power. This is obtained by deducting WHR and WER based power from total generation and adding back any power that may be generated by fossil based auxiliary firing in WHR and WER systems.

<sup>(2)</sup> This is the Co-generation component of balance fossil based electricity generation (excluding WHR and WER based power). The Co-generation component of power is the fossil based component of electricity generation through all extraction condensing turbines and backpressure turbines in the CPP. This also includes electricity generated from gas turbines where the downstream WHRSG also generates steam, that is consumed in production operations.

<sup>(3)</sup> Auxiliary Power Consumption will be apportioned in the same ratio as  $(\text{Total generation} - 50\% \text{ Co-gen Power excluding WHR \& WER} - 100\% \text{ WHR \& WER Power}) / (\text{Total Generation})$ . For Co-gen power, only that portion of APC will be considered which is responsible for power generation, and not for steam generation

<sup>(4)</sup> Drawl of electricity by the Designated Consumer as part of banking and / or storage transactions for the applicable compliance period (Quarter/Annual) is considered as notional purchase of electricity and added into total electricity consumption for RCO Calculations; Whereas the electricity supplied by the Designated Consumer for banking and / or storage transactions is considered as notional sale of electricity and deducted from the total electricity consumption for RCO Calculations.

<sup>(5)</sup> This includes Wind, Hydro, DRE and Other Renewable Energy components. i.e. It effectively includes all renewable energy which is specified as per MoP Trajectory notification S.O. 4617(E) dtd. 20 October 2023 or as per latest amendments from time to time.

<sup>(6)</sup> This is only that electricity which is requisitioned and purchased from the Discom by a Discom consumer (usually at a price premium), as per provisions of the Green Power Open Access Rules of the central or state government. DC to provide a no-objection certificate from the distribution licensee mentioning that the distribution licensee agrees to provide the said quantum of RE power to the respective obligated DC and that the distribution licensee shall have no claim over the corresponding green attributes for RCO compliance.

<sup>††</sup> Definition of RE Sources (Wind, Hydro, DRE and Others) shall be as per MoP Trajectory notification S.O. 4617(E) dtd. 20 October 2023 or as per latest amendments from time to time. Bifurcation among RE Sources (Wind, Hydro, DRE and Others) is not required for RCO compliance.

<sup>†</sup> This is the total non-fossil based component of energy generation from CPP. This value is only applicable in case of electricity generation by combustion / co-firing of Renewable Fuels. The calculation methodology for determining this value shall be as provided in the Operational Procedures published by BEE.

<sup>†††</sup> Make an entry here only for the RECs purchased or self-retained during the target year compliance period (Quarter / Annual)

## Energy equivalent of GH<sub>2</sub> and Green Ammonia Consumed should be evaluated as per Green Energy Open Access Rules with latest amendments as applicable. This value shall be reported based on meter readings where available. Where a calculation of this value is necessary, the calculation methodology for determining this value shall be as prescribed by the central government, or as provided in the Operational Procedures published by BEE.

### Make an entry here only for the RECs purchased or self-retained during the assessment year Compliance Window

# RCO Compliance (Surplus / Deficit): Surplus is positive and Deficit is negative number