

No.09/02/2022-RCM/NRE
Government of India
Ministry of Power

Shram Shakti Bhawan, Rafi Marg,
New Delhi, 6th October, 2023

To,

1. Secretary, MNRE, New Delhi
2. Chairperson, Central Electricity Authority, Sewa Bhavan, R.K. Puram, New Delhi
3. Secretary, Central Electricity Regulatory Commission (CERC), New Delhi
4. Principal Secretaries/Secretaries (Power/Energy) of all State Governments/UTs
5. Secretaries of All State Electricity Regulatory Commissions/JERCs.
6. Chairman/CMDs of all PSUs under administrative control of Ministry of Power
7. CMD, SECI, New Delhi
8. CMDs/MDs of Discoms/Gencos of all State Governments
9. CMD, IEX LTD New Delhi & MD/CEO, PXIL , Mumbai
10. DG, Association of Power Producers, New Delhi.
11. President, FICCI, House No. 1, Tansen Marg New Delhi
12. President, CII, New Delhi
13. President, PHDCCI, New Delhi
14. ASSOCHAM, Chanakyapuri, New Delhi
15. Member, PRAYAS Energy Group, Pune
16. DG, Electric Power Transmission Association (EPTA), New Delhi
17. Chairman Indian Wind Power Association, New Delhi
18. Chairman, Indian Wind Turbine Manufacturers Association, New Delhi
19. Director General, National Solar Energy Federation of India (NSEFI), New Delhi.

Subject: Draft Notification on Renewable Generation Obligation - Regarding.


Sir/Madam,

I am directed to forward herewith the **draft Notification on Renewable Generation Obligation** with request to provide your comments, if any, to this Ministry within 15 days from the date of issue of this letter. The comments may also be emailed at nre.section-mop@gov.in.

2. This issues with the approval of Competent Authority.

Encl: As above.

Yours faithfully,



(GEOJI C. KORAH)

Under Secretary to the Govt. of India
Ph: 011-2371 5507 (extn : 212)

Copy for information to: PS to Hon'ble Minister for Power and NRE, APS to MoSP, PS to Secretary (P), PSO to CE (R&R), Ministry of Power.

Copy to: Technical Director, NIC Cell for uploading on MOP's website under "Current Notices" with the heading of "**Seeking comments on draft Notification on Renewable Generation Obligation**".

[To be published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (ii)]

**Government of India
Ministry of Power**

New Delhi, October 2023

DRAFT NOTIFICATION ON RENEWABLE GENERATION OBLIGATION

S.O.-----Whereas, the Energy Conservation Act, 2001 (52 of 2001), as amended from time to time, empowers the Central Government to specify minimum share of consumption of non-fossil sources by designated consumer as energy or feedstock, provided different share of consumption may be specified for different types of non-fossil sources for different designated consumer.

Whereas, the Coal and Lignite based generating stations can effectively reduce consumption of fossil fuel by supplying electricity generated from non-fossil fuels e.g. renewable sources. Therefore, mandating supply of a minimum share of electricity generated by using non-fossil fuels e.g., renewable sources is construed as mandating reduction in consumption of fossil sources or increase in share of non-fossil sources under sub-section (x) of section 14 of the Energy Conservation Act, 2001 (52 of 2001), as amended from time to time.

Therefore, in exercise of the powers conferred undersub-section (x) of section 14 of the Energy Conservation Act, 2001 (52 of 2001), as amended from time to time, the Central Government, in consultation with the Bureau of Energy Efficiency, hereby specifies the minimum share of RE by any designated consumer having established coal / lignite-based generating station, in order to reduce the consumption of fossil fuels, namely: -

1. This notification shall come into force from the date of its publication in the Official Gazette.
2. **Definitions**

In this notification, unless the context otherwise requires -

- (a). **“Renewable Energy (RE)”** shall mean, the electricity generated from Renewable Energy Sources;
- (b). **“Renewable Energy Sources”** shall mean, the sources of renewable energy such as hydro, wind, solar including its integration with combined cycle, biomass, biofuel cogeneration, urban or municipal waste and such other sources as recognized or approved by the Central Government;
- (c). **“RGO”** shall mean Renewable Generation Obligation;

The words and expressions used herein and not defined herein but defined in the Energy Conservation Act, 2001(52 of 2001), as amended from time to time, called **‘the Act’** from here on shall have their respective meanings as assigned to them in the Act.

3. Renewable Generation Obligation (RGO)

- (i) A designated consumer which is a coal/lignite based generating station, shall be obligated to supplement its conventional generation with a minimum supply of RE to fulfill its Renewable Generation Obligation (RGO), as tabulated below:

Commercial Operation Date (COD) of coal/lignite based generating station	Minimum RGO (%)	Due Date for RGO compliance
On or before 31 st March 2023	6%	1 st April 2026
	10 %	1 st April 2028
1 st April 2023 to 31 st March 2025	10%	1 st April 2025
1 st April 2025 onwards	10%	From COD of coal/lignite based generating station

Provided that such designated consumer shall have the option of either establishing the required Renewable Energy generating capacity or procuring and supplying renewable energy in requisite quantum.

Provided further that such designated consumer will be at liberty to supply RE on commercial principles, independent of its existing Power Purchase Agreement (PPA) of its coal / lignite-based generating station.

Provided further that a captive coal / lignite-based generating station shall be exempted from the requirement of RGO compliance subject to its fulfilment of RE Consumption Obligation as notified by the Central Government.

Provided further that any generating company with more than one coal/lignite based generating station shall be allowed to comply with the RGO on aggregate basis.

Provided further that the obligation fulfilled by any designated consumer under the “Scheme for flexibility in Generation and Scheduling of Thermal/ Hydro Power Stations through bundling with Renewable Energy and Storage Power, 2022 dated 12th April 2022 (RE bundling scheme)”, as amended from time to time, shall be considered as part of fulfilment of RGO.

- (ii) The RGO shall be assessed in terms of annual share of RE generation as a percentage of the total annual generation, which includes generation of both conventional and RE, by respective designated consumer having established coal/lignite based Generating stations.

4. Monitoring and Verification

- (i). Every designated consumer having established coal / lignite-based generating station shall furnish in electronic form to the concerned designated agency with a copy to the Bureau of Energy Efficiency (BEE), a report on the status of electricity generation including RE generated or procured, for the financial year ending on 31st March, on or before the 30th June of the following financial year in the Form given

in **Annexure-I**.

- (ii). Such designated consumer shall ensure that all the data furnished in the Form is duly authenticated by the energy manager appointed or designated by the designated consumer and the executive or his / her nominee authorized for the purpose before it is sent to the designated agency and BEE.

5. **Assessment Methodology**

The shortfall in the RGO target in clause 3(i) in terms of 'TOE' (Tonnes of Oil Equivalent) shall be computed as per the formula given below:

$$\text{Shortfall (TOE)} = ((T - A) \times TG) \times 86$$

where,

T (in %)	Target percentage for RE
A (in %)	Achieved share of RE
TG (in MUs)	Total electricity generated from coal / lignite-based thermal generating station(s) and RE generating station(s), including RE procured and supplied in MUs.

6. **Penalty for non-compliance**

Based on the shortfall which shall be calculated from the above defined formula, the penalty shall be determined.

Any designated consumer having established coal / lignite-based generating station who fails to comply with the stipulated mandatory percentage target of RGO shall be subjected to penalty under Section 26 (3) of the Energy Conservation Act 2001, as amended from time to time.

7. This notification shall supersede the earlier gazette notification F.No.09/02/2022-RCM dated 27th February 2023 on Renewable Generation Obligation.

Additional Secretary

FORM

PERFORMANCE ASSESSMENT DOCUMENT

(To be filled by designated consumer)

Sl.	Details	Description	
1	Name of the Designated Consumer		
2	Year of Establishment/ Commercial Operation Date (COD)		
3	Registration No (As provided by BEE)		
4	Complete address of DCs		
5	Chief Executive's name & designation with mobile, telephone, fax nos. & e-mail		
6	Energy Manager's Name, designation, Registration No., Address, Mobile, Telephone, Fax nos. & e-mail		
7	Installed Capacity (MW)		
8	Annual Generation (MU)		
9	Annual RE generation (MU)		
10	Minimum share of total generation to be earmarked as Renewable Generation Obligation (RGO)		
	Year (FY)	Target (%)	Achieved (%)
			Shortfall (toe)*

*Calculation shall be as per clause 5(i)

UNDERTAKING

I/We undertake that the information supplied in this Performance Assessment Document is accurate to the best of my knowledge.

I /We agree to extend necessary assistance in case of any enquiry to be made in the matter.

Signature

Name
 Designation
 For and behalf of
 Name of the Firm/Company/ Organisation
 Seal of the Firm /Company/ Organisation