

Golden Peacock Award for Energy Efficiency (GPAEE)



Guidelines-cum-Application Form

'The questionnaire forming part of the Self-Appraisal Report has been carefully developed with due diligence to enhance the effectiveness of the overall system and to further accelerate the pace of organizational improvement'.

(Instituted by the **Institute of Directors (IOD), India**)

ISSUE – 2026

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NOTE: Annexure 1, 2 and 3 is common for all Industries and ONLY ONE Addendum is required to be answered.

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WINNING WORKS WONDERS

Winning the Golden Peacock Award for Energy Efficiency (GPAEE) delivers wide-ranging benefits across all forms of business and trade—from multinational corporations to small, family-run enterprises.

- *The Award logo serves as a prestigious symbol of excellence in Energy Efficiency and reflects a strong, competitive, and forward-looking organization.*
- *National and regional publicity enhances brand visibility and helps strengthen the customer and client base.*
- *The recognition boosts staff morale, motivation, and engagement, while reinforcing the organization's commitment to Energy Efficiency at the corporate level.*
- *The Award provides a distinct competitive advantage, enhancing brand credibility in today's rapidly evolving marketplace.*

Competition has always been a driving force that brings out the very best in our businesses and our society.

So, let us celebrate the outstanding achievements of some of the most forward-looking organizations—assessed based on the Golden Peacock Awards Excellence Model.

GOLDEN PEACOCK AWARD FOR ENERGY EFFICIENCY

AWARD SCHEME

Golden Peacock Awards Secretariat has great pleasure in inviting applications for the **Golden Peacock Award for Energy Efficiency (GPAEE)**. The Award Scheme for energy efficiency has been instituted to encourage initiatives in promoting activities relating to energy efficiency improvement.

Energy Efficiency makes excellent business sense as one of the most attractive competitive tools, since it reduces the cost of production, enables resource conservation, thus contributing to sustainable development. For the Industry, energy efficiency ensures a healthy bottom-line by ensuring most productive consumption of all forms of energy.

The urgency and magnitude of the risks and threats to our collective efforts for energy efficiency, alongside increasing choices and opportunities, will make transparency about economic, environmental, and social impacts a fundamental component in effective stakeholder relations, investment decisions, and other market relations.

Transparency about energy efficiency of organizational activities is of interest to a diverse range of stakeholders, including business, labour, non-governmental organizations, investors, regulators, accountants, and others.

The objective is to assess the extent of:

- a. Responsiveness of organizational strategy to the needs of different stakeholders;
- b. Integration of energy efficiency issues with corporate functioning; and
- c. Development of innovative partnership models to fulfill social responsibility.

The Award

The Golden Peacock Award, named after India's national bird—the **Peacock**—is conferred annually. **Each winner receives a trophy along with a certificate. Award recipients are authorized to use the Golden Peacock Award Logo** with the corresponding year on their printed and promotional materials.

In addition, selected organizations may be conferred a **Certificate of Commendation** by the Jury.

Why This Award?

'**Golden Peacock Award for Energy Efficiency**' has been instituted to stimulate and help organizations to rapidly accelerate the pace of stake-holder oriented improvement process. It is a powerful self-assessment process and a way to build an organizations' brand equity on '**Energy Efficiency**'. The preparation for the award helps to inspire and align the entire work force and management functions to this end. The knowledge gained by the organization in describing and self-assessing its operations, would lead to improved organizational performance in this field.

Who can Apply?

Any organization from India or any other country—across all nationalities—engaged in trade, business, manufacturing, or service delivery, regardless of size or scale, including government entities or departments, is eligible to apply for this Award.

a) Eligible Organizations

1. Public Sector Units (PSUs)/ Organizations.
2. Private Sector Organizations/ Multinationals.
3. Government/Municipal Organizations, Government Undertakings & Public Utility Services.

b) Unit Eligibility Criteria

Manufacturing/Service Organizations or Divisions of Organizations (Self-Accounting Profit/Cost Centres), in the Private and Public Sectors, and Government Organizations may apply for the '**Golden Peacock Award for Energy Efficiency**'.

The operations of the applicant organization must be carried out independently, meaning that responsibilities, authorities, results etc., are clearly defined, and suitably covered in the organization's Annual Report, if any. The details of operations of the applicant must reasonably correspond to the Award criteria, which are verifiable at the time of evaluation.

c) Evaluation Process Overview:

All applications undergo a rigorous **three-tier review**:

1. Initial Assessment

Conducted by an independent assessor with domain expertise, scoring each application out of **1,000 marks**.

2. Peer Review

Applications scoring **80% and above** are forwarded for a detailed peer review by the **Assessment Board**.

3. Final Selection

The top-scoring application (above 80%) in each sector is then recommended to the **Jury**, comprising eminent and independent professionals, for final consideration and approval and selection of winners.

Business Sectors

'**Golden Peacock Award for Energy Efficiency**' will be considered & evaluated across various business sectors, as deemed appropriate by the Jury, at their sole discretion during the final assessment. Applicants are requested to indicate the specific business sector to which their organization belongs in the relevant column of Annexure-1 – Application Form.

Eligible industries include General Industries and those covered under BEE-PAT Designated sectors	
1. Agriculture & Farm Equipment	21. Thermal Power Plant
2. Automobile	22. Electricity Distribution Companies
3. BPO (Business Process Outsourcing)	23. Real Estate & Construction
4. Consultancy (including Management, Legal, Financial, Accounting Consultancy Services)	24. Telecommunication
5. Education & Training	25. Transportation – Shipping/Ports/Aviation/Road
6. Electronics	26. Railways – Traction
7. Engineering	27. Railways – Production Factories
8. Entertainment Industry – TV/Film/Music	28. Fertilizer

9. Financial Sector – Banking/Non-Banking Finance Companies/Asset Management Companies	29. Cement
10. FMCG & Consumer Appliances (including Gems and Jewelry)	30. Aluminium
11. Food & Beverages	31. Iron and Steel
12. Gas	32. Pulp and Paper
13. Healthcare	33. Pharmaceutical
14. Hotel, Hospitality, Travel & Tourism	34. Textile
15. Insurance	35. Rubber & Plastic
16. IT	36. Any other sector, as the Jury may deem fit
17. Mining & Metallurgy (other than Steel)	
18. Oil Production	
19. Oil Refining	
20. Power (other than thermal)	

PAT Designated Consumer Sector unit will complete Addendum II for details and all other Industrial Sectors will complete Addendum I. Answer ONLY ONE Addendum.

Rules & Regulations

- The decision of the Award Jury shall be final and binding. No correspondence or appeal will be entertained in this regard.
- The Award Secretariat reserves the right to declare more than one organization as a winner and/or to withhold the Award(s) if, in its opinion, the required standards are not met.
- An Award for a specific sub-sector may be conferred even if only one application is received in that category, provided it satisfies the eligibility and evaluation criteria as determined by the Jury.
- Shortlisted (finalist) applicants may be invited to make a brief presentation to the Jury, and/or an assessor may be appointed to verify or validate the information through a site visit. Any related travel and accommodation expenses shall be borne by the applicant.
- While all reasonable precautions will be taken to maintain confidentiality, the Award Secretariat accepts no liability for any loss arising from the disclosure of information to Assessors or Jury members.
- The Award Secretariat cannot undertake to return any documents or supplementary materials submitted with the application.
- The Award Secretariat reserves the right to amend or modify the Award Scheme at any time without prior notice.

Non-Disclosure & Confidentiality

- All information submitted by applicants will be treated as strictly confidential and used solely for the purpose of assessment.
- The names of applicants, along with all commentary and scoring information generated during the evaluation process, are considered proprietary and will be kept confidential. Such information will be accessible only to individuals directly involved in the assessment and administrative processes.

- The Golden Peacock Awards Secretariat will take all reasonable precautions to ensure that applications and the information contained therein are handled in strict confidence. However, the Golden Peacock Awards Secretariat shall not be held responsible for any loss of confidentiality involving third parties, nor liable for any damage (to persons or property) or financial loss arising from any breach of confidentiality by the applicants or any third party.
- Subsequent to the Award Presentation, the Golden Peacock Awards Secretariat reserves the right to publish salient details of the innovative methods, processes, improvement initiatives, or schemes of the Award Winners, solely for knowledge sharing and to help raise overall industry & business standards.

Application Fees

- A. Application Fee **for Indian Organization**: Rs. 69,500/- plus 18% GST as applicable
 B. Application Fee **for Overseas Organization**: USD 1200 plus 18% GST as applicable

The Application fee should accompany the Application. The Application Fee is required to be paid on or before the due date of submission of application.

APPLICATION WILL NOT BE CONSIDERED WITHOUT THE APPLICATION FEE.

The Application Fee can be paid through the following payment modes:

- i) **Demand Draft/Cheque in favor of 'Institute of Directors', payable at New Delhi.**

OR

- ii) **Through Bank Transfer as per the following details:**

Bank Name:	Union Bank of India	MICR Code:	110026324
	M-3, Greater Kailash Part-II,	IFSC CODE:	UBIN0902861
	New Delhi-110048, India	PAN No.:	AAABI0002J
	Tel. No. 011-29210959	SWIFT CODE:	UBININBBNGK
Account Name:	Institute of Directors	GSTIN:	07AAABI0002J1Z9
Account No.:	510101006113450		
A/C Type:	Current A/C		

OR

- iii) **Through Credit Card by logging on to <https://goldenpeacockaward.com/>**

Note:

1. Overseas applicants may remit the Application Fee in convertible Indian Rupees (INR), calculated at the prevailing exchange rate on the date of payment.
2. To initiate the payment process prior to submission of the application, an Original Tax Invoice/Proforma Invoice will be generated only upon request from the applicant organization.
3. Tax Deducted at Source (TDS), if applicable, may be deducted from the Application Fee in accordance with the provisions of the Income Tax Act, 1961.
4. Applicable GST (18% as on date) shall not be levied for foreign applicants where payment is made directly into the IOD bank account in foreign currency only.
5. Applicable GST (18% as on date) shall be levied on all other modes of payment.
6. In cases where vendor registration is required by the applicant organization, the relevant documents may be forwarded to the GPA Secretariat for necessary action.

Procedure for Sending Application

1. The completed application (Annexures 1, 2 & 3), along with all supporting materials, must be submitted in soft copy via email only to **INFO@GOLDENPEACOCKAWARD.COM**, including the following:
 - I. Table of Contents
 - II. Annexure 1 – Application Form
 - III. Annexure 2 – Business Overview (summary of the applicant's business)
 - IV. Annexure 3 – Self-Appraisal Report
 - V. Supporting Materials (list all attached documents)
2. If the file size is too large to send by email, applicants may share the soft copy via platforms such as WeTransfer, Google Drive, OneDrive, or any other convenient platform, but send only to **INFO@GOLDENPEACOCKAWARD.COM**
3. Do not copy any other IOD or GPA Secretariat email addresses to maintain security and confidentiality. The Secretariat is not responsible for data leakage if sent to any email other than **INFO@GOLDENPEACOCKAWARD.COM**
4. Ensure that the GPA Secretariat can download the application from the shared platform.
5. The application must follow the GPAEE Guidelines and criteria, which consist of a structured set of questions. Answers, supported by objective evidence, will help assess the organization's excellence.
6. Every question must be answered in the designated section. References to supporting materials must include specific page numbers.
7. Simply stating "Refer to Supporting Material" is not sufficient. Answers must be provided in the application itself.
8. Supporting materials should be derived from the organization's self-assessment and closely aligned with the Award assessment criteria. Criteria are intentionally non-prescriptive to allow flexibility in presenting relevant information.
9. All supporting materials must be properly numbered (e.g., Enclosure I, II / Supporting Document I, II / Appendix I, II) and cross-referenced in your responses.
10. Supporting Materials must be submitted separately from the main application.
11. Do not provide web links or hyperlinks as supporting material.
12. Do not provide image links as supporting material.
13. All supporting materials must be submitted as downloaded copies.
14. Annexure 1 must be signed on every page by the highest-ranking official or authorized signatory. Applications without signatures will not be considered.
15. Attach a high-resolution soft copy of your organization's logo separately.
16. Hard copy submission is not required.
17. The Application Fee must be submitted on or before the due date. Applications will not be considered without the Application Fee.
18. Do not attach the Award Scheme guidelines with your completed application (Annexures 1, 2 & 3).
19. There is no word or page limit for the application; however, concise and precise information is preferred.
20. Provide precise answers in the application, and include detailed information in supporting materials with proper cross-referencing.

APPLICATION FORM – GPAEE

Instructions:

1. Annexure-1 **MUST** be duly **SIGNED** on each page of Annexure 1 only. **APPLICATION WILL NOT BE CONSIDERED WITHOUT THE SIGNATURE OF THE HIGHEST-RANKING OFFICIAL/AUTHORIZED SIGNATORY.**
2. If the highest-ranking official is unavailable to sign, an authorized signatory may sign on his / her behalf.
3. Please mention the Payment Details under Point No. 9 of Annexure-1. **APPLICATION WILL NOT BE CONSIDERED WITHOUT THE APPLICATION FEE.**

1. Full name of Applicant Organization _____
(Note: If the applicant is Unit/Division/Project/Plant of a larger company, please specify the exact name.)
Address of the Applicant Organization _____
Website _____
2. Name of Contact Person (Mr./Ms.) _____ Designation _____
Telephone (Office) _____ (Mobile) _____
E-mail _____
Contact Address (if different from above) _____
3. Name of the Highest-Ranking Official of the Organization (Mr./Ms.) _____
Designation _____
Telephone (Office) _____ (Mobile) _____
E-mail _____
Contact Address (if different from above) _____
4. Location of Principal Sites _____
5. Name of the Parent Organization, if any _____
Address _____
Telephone (Office) _____ E-mail _____
6. Industrial Sector the applicant organization falls under _____
7. Logo of the organization (**Please attach a High-Resolution Logo in JPEG Format separately**)
8. Is the applicant organization listed in any stock exchange?
Yes No
If yes, please give the Name(s) of Stock Exchange(s) _____

Signature of Highest-Ranking Official/Authorized Signatory

Name: (Mr./Ms.)

Designation:

Email:

9. PLEASE MENTION THE PAYMENT DETAILS [(paid by either of the following) **APPLICATION WILL NOT BE CONSIDERED WITHOUT THE APPLICATION FEE**]:

(A) **Cheque at Par or Demand Draft** payable to **Institute of Directors, New Delhi**

Bank _____ Cheque/Draft No. _____ Dated _____

(B) **Through Bank Transfer (UTR Number)** _____

(C) **Credit Card**: Please log on to <https://goldenpeacockaward.com/> for online payment.

(D) **GSTIN Number of your company (Also specify, if unregistered)** _____

10. **Declaration**

I do hereby declare that

- (a) We shall fully abide by the rules and regulations of the **Golden Peacock Award for Energy Efficiency** Scheme, and understand and accept that the decision of the Award Jury is final in all respects. No correspondence or appeal shall be entertained regarding the Jury's decision.
- (b) The organization has faced no Penal action during the last 2 years, nor any case is pending against it for any corporate or other statutory compliance failure.
- (c) The organization is eligible to take part in this competition, and all information and accompanying documents, are correct.

Date

Signature of Highest-Ranking Official/Authorized Signatory

Name: (Mr./Ms.)

Designation:

Email:

(In case, the Highest-Ranking Official is not present to sign the document, any other Authorized Signatory may also sign on his/her behalf.)

BUSINESS OVERVIEW

(All Business Overview questions in Annexure-2 are to be answered sequentially and point-wise.)

Instructions:

1. Supporting Materials are **REQUIRED** to be submitted Separately.
 2. Please Do Not provide Web Links/Hyperlinks as Supporting Material.
 3. Please Do Not provide any Image Links as Supporting Material.
 4. All Supporting Materials have to be submitted in the form of a Downloaded Copy.
-

Organizational Description

- Full Name of Applicant Organization
(Note: If the applicant is Unit/Division/Project/Plant of a larger company, please specify the exact name.)
- Location
- Brief Description of the Applicant Organization (in about 50 words)
- Major energy-intensive processes or facilities (briefly describe 3-5 key processes/areas)
- Ownership
- Year of Establishment (of the applicant unit and not of parent company)
- Organization's main products/services
- Annual Turnover – covering last 2 financial years
- Total Number of employees (**of the applicant unit and not of parent company**)
- Business Sector of the applicant organization
- Name of Parent Organization (if applicable)*
- Is the organization listed in any stock exchange? If yes, please give the Name(s) of Stock Exchange(s).
- Stock Exchange:
 - Minimum & Maximum values, during last two financial years (year-wise).
 - Dividends during the last two financial years (year-wise).
- VISION, MISSION and VALUES of the organization.

** If the applicant is an independent self-accounting subsidiary or a unit of a larger company, a brief description should be given of the organizational relationship to the 'parent' organization. Briefly describe how the applicant's products and services relate to those of the parent and/or other units of the parent organization.*

GOLDEN PEACOCK AWARD FOR ENERGY EFFICIENCY SELF-APPRAISAL REPORT

(All Self-Appraisal Report questions in Annexure-3 are to be answered sequentially and point-wise, even if some repetition is involved.)

Information to facilitate the compiling of the application:

- i. The term ‘**stakeholder**’ should be understood to include not only customers / clients and shareholders, but also suppliers, employees, community and the government, wherever appropriate.
- ii. This is a **common questionnaire** for **all the business sectors**. If any particular question is not applicable / relevant to your industry / organization, please answer it as “**Not Applicable**” (**NA**) and provide justification for why it is “Not Applicable” (NA). Just writing NA is an incomplete response.

NOTE:

- 1. Supporting Materials are REQUIRED to be submitted Separately.**
- 2. Please Do Not provide Web Links/Hyperlinks as Supporting Material.**
- 3. Please Do Not provide any Image Links as Supporting Material.**
- 4. All Supporting Materials have to be submitted in the form of a Downloaded Copy.**
- 5. Applicants are required to provide:**
 - a. 3-years data wherever applicable.**
 - b. EnPIs (e.g., kWh/ton, fuel per unit, etc.) instead of only absolute figures.**
 - c. Clear cross-references to external audits (PAT, ISO 50001) when answering related questions.**

Section A – Energy Policy and Performance Audit

- A. 1 Does the organization’s ‘Energy Policy’ support ‘Energy Performance and Climate Change Mitigation’? Give Details.
- A. 2 Briefly describe the structure and composition of your Energy Management team/committee, including roles and reporting to Top Management.
- A. 3 Has the company/organization made any financial investment for Energy Efficient products or services/Energy Transition projects/Carbon Footprint Assessment and Reduction projects in the last three years? Give details.
- A. 4 How many preliminary energy audits and detailed energy audits were conducted during the last 3 years and what were the opportunities identified and how many opportunities were implemented? How were they implemented?
- A. 5 Has the organization established baseline for energy efficiency? Give details.
- A. 6 At what frequency does the Top Management review energy performance, objectives and progress (e.g., monthly, quarterly)? Give details.
- A. 7 How has the organization set energy performance goals/objectives and continually improved them? Explain with 3 years latest data.

- A. 8 Has the company/organization been audited/certified for ISO 50001, PAT Scheme of BEE, or any other Energy Management System? If so, since, when? What are the improvements done based on these audits/reviews? Explain with examples.
- A. 9 Actions taken for reduction of GHG emission and Carbon Footprint reduction in product life cycle.

Section B – Training

- B. 1 Give details of training of employees on energy performance appreciation, awareness and Energy Management Systems' requirements in previous 3 years.
- B. 2 Percentage of staff trained on energy performance awareness.
- B. 3 Has any training been provided for Energy Manager/Energy Auditor/ISO 50001 Auditor/BEE certified? Provide details.
- B. 4 Describe how the effectiveness of energy-related trainings is evaluated (for example, pre/post assessment, observed changes in operation, audit findings, etc).
- B. 5 Mention any awareness programmes or campaigns conducted for contract workers or service providers related to energy performance and safe energy use, if applicable.

Section C – Monitoring of Energy Performance

- C. 1 What system of energy consumption monitoring has been adopted by the organization?
- C. 2 Indicate the extent of metering and sub-metering (for example, percentage of major equipment/processes covered) and whether any digital/automatic systems (such as EMS, SCADA, IoT-based monitoring) are used.
- C. 3 Provide comparative data, with baseline energy performance, target energy performance indicator and benchmark of sector/industry, for at least previous 3 years.
- C. 4 Reply to the questions in Addendum–I or Addendum–II, as applicable, and send it along with your application (Annexure 1, 2 and 3).

Section D – Energy Conservation Practices

- D. 1 What are the prime factors responsible for driving your organization towards efficient energy performance?
- D. 2 How are areas of significant energy use and factors affecting variation from designed or expected value identified? Explain with only recent examples.
- D. 3 Has any new technology, including artificial intelligence, adoption or breakthrough improvement for energy performance improvement been undertaken in previous 3 years?
- D. 4 Explain the criteria or methodology used for identifying, prioritizing and selecting energy conservation projects (for example, payback period, life cycle cost, impact on EnPIs, safety and reliability).

Section E – Encouragement for Energy Efficiency Improvement

- E. 1 What ways have been devised to encourage the practice of continuously generating new ideas, suggestions and recommendations pertaining to energy efficiency and recognizing and rewarding those ideas, which add value to the organization's operations?

- E. 2 How are areas of opportunities for improvement in energy performance identified? (Opportunities may be related to potential sources of energy, for example use of renewable or alternative energy sources, waste energy etc.)
- E. 3 Provide 2-3 examples from the last 3 years where employee suggestions or cross-functional teams have led to significant energy performance improvements. Briefly mention the initiative, energy savings and any recognition given.

Section F – Communication/ Recognition

- F. 1 How does the top management communicate internally about its energy performance in order to invite comments and suggestions?
- F. 2 Describe external communication on energy performance, if any (for example, sustainability reporting, integrated reporting, disclosures to regulators, customer communication).
- F. 3 Mention any internal or external awards/recognitions received in the last 3 years specifically related to energy efficiency or energy management, if any.

Section G – Energy Conservation Performance

- G. 1 Describe your most effective operational Energy Conservation Project undertaken during the previous 3 years, outlining impact and cost saving.
- G. 2 Have there been any changes in objectives/targets or other elements of Energy Management System, consistent with organizational commitment to improve energy and environmental performance?
- G. 3 Has there been any change in resource allocation to achieve targets of energy management/energy performance of the organization? Give details for previous 3 years.
- G. 4 Is the organization making use of transformative technologies, including artificial intelligence, in any of its processes and procedures? Provide details.
- G. 5 Briefly compare your unit's key energy performance indicators (EnPIs) with relevant sectoral/industry benchmarks or best-in-class performance, wherever available, and indicate the source of such benchmarks.

NOTE: Annexure 1, 2 and 3 is common for all Industries and ONLY ONE Addendum (I or II) is required to be answered, as applicable.

ADDENDUM – I (General Industries)

Section A - General Information

1	Industry Sector	
2	Industry Category	
3	Type of Product	
4	Energy Sources	
5	Energy consumption in metric ton of oil equivalent (Mtoe) and Specific Energy Consumption: a. Financial Year 1 (2022-23) b. Financial Year 2 (2023-24) c. Financial Year 3 (2024-25)	
6	Baseline Energy Performance (Specific Energy Consumption) for Financial Year (2022-23) in metric ton of oil equivalent (Mtoe) or any other unit	

Section B - Energy Performance Data

B. 1 Capacity Utilization

Sl. No.	Particulars	Unit	FY 2022-23	FY 2023-24	FY 2024-25
a	Equivalent Major Product				
b	Installed Capacity				
c	Actual Production as Equivalent Major Product				
d	Capacity Utilization	%			

$$\text{Capacity Utilization, \%} = \frac{\text{Actual annual production} \times 100}{\text{Installed capacity for the corresponding year}}$$

B. 2 Energy Source Details

Sl. No.	Fuel Type	Unit	FY 2022-23	FY 2023-24	FY 2024-25
a					
b					
c					
d					
e					
f					

g					
h					
i					
j					

B. 3 Annual Energy savings achieved & investment made due to implementation of improvement measures

Sl. No.	Annual Energy savings achieved and investment made due to implementation of Energy improvement measures	FY 2022-23	FY 2023-24	FY 2024-25
a	Electrical Energy Savings (Million kWh/year)			
b	Electrical Energy Savings (Lakh Rs/year)			
c	Coal / Lignite Savings (Million Tonnes/year)			
d	Oil Savings (KL/year)			
e	Gas Savings (Million M ³ at STP/year)			
f	Other fuel savings (Please specify and also mention units)			
g	Total fuel savings (Million kCal/year)			
h	Total fuel savings (Lakhs Rs/year)			
i	Total annual energy savings (Lakhs Rs/year)			
j	Total Investment made on above measures (Lakhs Rs/year)			
k	Target EnPI			
l	Actual EnPI (specific energy consumption)			
m	Sectoral/Industry Benchmark EnPI			

Note: Annual energy savings have to be worked out based on the difference in the energy consumption before implementation of the project and energy savings achieved after implementation of the project in the identified area/ equipment in the reference year. The overall energy saving of all the implemented projects must be mentioned in the appropriate column. The energy savings achieved should reflect only for the first year's annual savings after launch of project and should not include the savings achieved due to implementation of the projects in the previous years. Wherever possible, please mention the year of commissioning of each major project in the Supporting Material with proper cross-reference.

Section C - Other Details on Energy Performance

Information on steps towards improving energy performance

- C.1 Provide status of your unit, with respect to Perform, Achieve and Trade scheme of Bureau of Energy Efficiency and the target specified. Energy Saving Certificates earned in last 3 cycles/years, if any.
- C.2 Have you implemented Energy Management System in accordance with ISO 50001 to promote continual improvement in energy performance? If yes, provide ISO 50001 certificate number and validity. If No, give reasons and barriers.
- C.3 Elaborate on methodologies adopted by your industry for monitoring and verification of the performance, along with performance certification by any external agency.
- C.4 Elaborate on use of renewable/alternative energy for production. Provide details for the last 3 years. In case it is not included, provide reasons and barriers - technological, financial, policy etc. What was the quantity of conventional energy reduced?
- C.5 Based on the overall energy reduction, has the organization reduced its carbon footprint? Give detailed data of reduction, year-wise during the last 3 years.
- C.6 Describe any innovative or transformative technologies/processes (including digital tools, AI, advanced controls, new materials, etc.) adopted specifically for improving energy performance, with indicative results.

NOTE: Annexure 1, 2 and 3 is common for all Industries and ONLY ONE Addendum (I or II) is required to be answered.

ADDENDUM - II
(PAT Designated Consumer)

Section A - General Information

1	PAT Sector (Designated Consumer)	
2	Type of Product	
3	Energy Sources	
4	Energy consumption in metric ton of oil equivalent (Mtoe) and Specific Energy Consumption: a. 2022-23 b. 2023-24 c. 2024-25	
5	Baseline Energy Performance (Specific Energy Consumption for 2022-23 as per relevant PAT Cycle Audit) in metric ton of oil equivalent (Mtoe). Mention PAT cycle number.	
6	Notified Target for relevant PAT Cycle (along with the year)	

Baseline energy performance year selected if capacity utilisation >70%, otherwise will be last three years average performance figure.

Section B - Energy Performance Data

B. 1 Capacity Utilization

Sl. No.	Particulars	Unit	FY 2022-23	FY 2023-24	FY 2024-25
a	Equivalent Major Product				
b	Installed Capacity				
c	Actual Production as Equivalent Major Product				
d	Capacity Utilization	%			

$$\text{Capacity Utilization, \%} = \frac{\text{Actual annual production} \times 100}{\text{Installed capacity for the corresponding year}}$$

B. 2 Energy Source Details

Sl. No.	Fuel Type	Unit	FY 2022-23	FY 2023-24	FY 2024-25
a					
b					
c					

d					
e					
f					
g					
h					
i					
j					

B. 3 Annual Energy savings achieved & investment made due to implementation of improvement measures

Sl. No.	Annual Energy savings achieved and investment made due to implementation of Energy improvement measures	FY 2022-23	FY 2023-24	FY 2024-25
a	Electrical Energy Savings (Million kWh/ year)			
b	Electrical Energy Savings (Lakh Rs/ year)			
c	Coal / Lignite Savings (Million Tonnes/ year)			
d	Oil Savings (KL/ year)			
e	Gas Savings (Million M ³ at STP/year)			
f	Other fuel savings (Please specify and also mention units)			
g	Total fuel savings (Million kCal/ year)			
h	Total fuel savings (Lakhs Rs/ year)			
i	Total annual energy savings (Lakhs Rs/ year)			
j	Total Investment made on above measures (Lakhs Rs/ year)			
k	Target EnPI			
l	Actual EnPI (specific energy consumption)			
m	Sectoral/Industry Benchmark EnPI			

Note: Annual energy savings have to be worked out based on the difference in the energy consumption before implementation of the project and energy savings achieved after implementation of the project in the identified area/ equipment in the reference year. The overall energy saving of all the implemented projects must be mentioned in the appropriate column. The energy savings achieved should reflect only for the first year's annual savings after launch of project and should not include the savings achieved due to implementation of the projects in the previous years. Wherever possible, please mention the year of commissioning of each major project in the Supporting Material with proper cross-reference.

Section C - Other Details on Energy Performance

Information on steps towards improving energy performance

- C. 1 Provide status of your unit, with respect to Perform, Achieve and Trade scheme of Bureau of Energy Efficiency and the target specified. Energy Saving Certificates earned in last 3 cycles/years, if any.
- C. 2 Have you implemented Energy Management System in accordance with ISO 50001 to promote continual improvement in energy performance? If yes, provide ISO 50001 certificate number and validity. If No, give reasons and barriers.
- C. 3 Elaborate on methodologies adopted by your industry for monitoring and verification of the performance, along with performance certification by any external agency.
- C. 4 Elaborate on use of renewable/alternative energy for production. Provide details for the last 3 years. In case it is not included, provide reasons and barriers - technological, financial, policy etc. What was the quantity of conventional energy reduced?
- C. 5 Based on the overall energy reduction, has the organization reduced its carbon footprint? Give detailed data of reduction, year-wise during the last 3 years.
- C. 6 Describe any innovative or transformative technologies/processes (including digital tools, AI, advanced controls, new materials, etc.) adopted specifically for improving energy performance, with indicative results.

NOTE: Annexure 1, 2 and 3 is common for all Industries and ONLY ONE Addendum (I or II) is required to be answered.

NOTE:

- 1. Supporting Materials are REQUIRED to be submitted Separately.
- 2. Please Do Not provide Web Links/Hyperlinks as Supporting Material.
- 3. Please Do Not provide any Image Links as Supporting Material.
- 4. All Supporting Materials have to be submitted in the form of a Downloaded Copy.
- 5. Applicants are requested to provide:
 - a. 3-year data wherever applicable.
 - b. EnPIs (e.g., kWh/ton, fuel per unit, etc.) instead of only absolute figures.
 - c. Clear cross-references to external audits (PAT, ISO 50001) when answering related questions.

******END******