

# **Golden Peacock Environment Management Award (GPEMA)**



## ***Guidelines-cum-Application Form***

**“The set of questionnaire towards Self-Appraisal Report has been prepared with due diligence to ensure & improve the effectiveness of whole system and further to accelerate the pace of your organizational improvement system.”**

**ISSUE – 2024**

**TABLE OF CONTENTS**

<b><i>Sl. No.</i></b>	<b><i>Contents</i></b>	<b><i>Page No.</i></b>
<b><i>1</i></b>	<b><i>Award Scheme</i></b>	<b><i>04</i></b>
<b><i>2</i></b>	<b><i>Annexure 1 – Application Form</i></b>	<b><i>07</i></b>
<b><i>3</i></b>	<b><i>Annexure 2 – Business Overview</i></b>	<b><i>09</i></b>
<b><i>4</i></b>	<b><i>Annexure 3 – Self-Appraisal Report</i></b>	<b><i>10</i></b>

## WINNING WORKS WONDERS

*Winning the Golden Peacock Environment Management Award (GPEMA) leads to wide ranging benefits, for all types of business or trade, from multinationals to small family-run concerns.*

- *The Award logo is recognition of the symbol of excellence in Environment Management and a sign of a successful competitive organization.*
- *National and local publicity strengthens customer / client base.*
- *It enhances staff morale and motivation and commitment to Environment Management is reinforced at corporate level.*
- *The Award would give the 'Brand' a competitive edge, in today's rapidly changing market-place.*

# GOLDEN PEACOCK ENVIRONMENT MANAGEMENT AWARD AWARD SCHEME

Golden Peacock Awards Secretariat (GPAS) has great pleasure in inviting applications for the **Golden Peacock Environment Management Award (GPEMA)**.

Golden Peacock Environment Management Award is the coveted and prestigious recognition that your organization could strive to win for environment management.

Throughout this document, the term 'environment' shall be understood to include a fully integrated approach to Environment.

## The Award

**Golden Peacock Award**, named after India's national bird "**Peacock**", is awarded annually. Each winner receives a trophy together with a certificate. The award winners may use the Golden Peacock Award Logo with year on their printed and promotional materials. Selected organizations may be awarded a commendation certificate by the Jury.

## Why This Award?

'Golden Peacock Environment Management Award' 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 'Environment Management'. 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 of India or any other Country/Nationality (interested in benchmarking their processes in their respective business sectors), engaged in trade, business, production or rendering services, irrespective of any size/volume or a Government entity/department, can apply for this Award.

### a) Eligible Organizations

1. Public Sector Units (PSUs) - separately for Manufacturing & Service sectors.
2. Private Sector Organizations - separately for Manufacturing & Service sectors.
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 Environment Management Award**'. 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. The details of operations of the applicant must reasonably correspond to the Award criteria, which are verifiable at the time of evaluation.

## Industrial Sectors

'**Golden Peacock Environment Management Award**' will be considered in separate industrial sectors, at the discretion of the Jury. You may mention your specific industrial sector, in the appropriate application column in Annexure-1 – Application Form.

## Rules & Regulations

- **Decision of the Award Jury is final and no correspondence or appeal will be accepted on the Jury's decision.**
- Award Secretariat reserves the right to declare more than one organization as the winner, and could also withhold award(s), if the required standard is not met.
- Award for each sub-sector may be given, even if there is only one application in any of the categories, provided it meets the qualification criteria (as decided by the Jury).
- Finalist Award applicants may be invited to make a brief presentation to the Jury and/or one of the assessors may be nominated to confirm or verify the facts at site. Such travel and stay expenses, if any, will be borne by the applicant.
- Award Secretariat accepts no liability for any loss resulting from the disclosure of information concerning an applicant to Assessors or Jury members, though all reasonable precautions will be taken to maintain secrecy.
- Award Secretariat cannot undertake to return documents or supplementary material submitted with an application.
- Award Secretariat reserves the right to alter the Award Scheme, at any time, without notice.

## Non-Disclosure & Confidentiality

Names of applicants, commentary and scoring information developed for review of applications are regarded as proprietary, and are kept confidential. Such information is available only to individuals directly involved in the assessment and administrative processes.

Golden Peacock Awards Secretariat will take all reasonable precautions to ensure that applications and the information provided therein are treated in strict confidence. However, in no way Golden Peacock Awards Secretariat can be held responsible for any loss of confidentiality to a third party, nor held liable for any damage (to goods or persons) or financial loss incurred through the breach of confidentiality or otherwise by the applicants or any third party.

Golden Peacock Awards Secretariat reserves the right, subsequent to the Award Presentation, to publish salient details of the Innovative methods/processes/Improvement initiatives/Schemes of the Award Winners, for the purpose of sharing of knowledge to raise the general industry standards.

## Application Fees

**A. Application Fee for Indian Organization: Rs. 59,500/- plus 18% GST as applicable**

**B. Application Fee for Overseas Organization: USD 1000 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.**

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

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

**OR**

**ii) through Bank Transfer as per the following details:**

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

**OR**

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

**Note: 1. Original Tax Invoice will be generated Only after the receipt of the Application Fee. However, in order to initiate the payment process, a Proforma Invoice may be generated upon Request from an applicant organization.**

**2. TDS on the Application Fee may be deducted as per Income Tax Act 1961.**

### Procedure for Sending Application

1. **The completed Application (Annexures 1, 2 & 3) along with all the Supporting Materials, MUST be shared in SOFT COPY format through EMAIL to [INFO@GOLDENPEACOCKAWARD.COM](mailto:INFO@GOLDENPEACOCKAWARD.COM) Only, covering the following:**
  - a. **Table of Contents**
  - b. **Annexure 1** – Application Form
  - c. **Annexure 2** – Business Overview – To provide a summary of the applicant’s business.
  - d. **Annexure 3** – Self-Appraisal Report
  - e. **Supporting Materials (Share the List of the Supporting Materials attached with the application)**
2. If the file size of the application is heavy and cannot be sent through Email, then the applicant organisation may send the Soft Copy of the application along with all the Supporting Materials through [www.wetransfer.com](http://www.wetransfer.com) / Google Drive / One Drive or any other platform, as convenient to the applicant organization, to [INFO@GOLDENPEACOCKAWARD.COM](mailto:INFO@GOLDENPEACOCKAWARD.COM) Only.
3. **Please DO NOT mark any other email id of IOD and GPA Secretariat due to Security and Confidentiality reasons.**
4. **Kindly ensure that the GPA Secretariat must be able to Download the application from the shared platform.**
5. This application will be based on **GPEMA** Guidelines and criteria. The criteria consist of a set of questions which when answered, sequentially, duly supported by the objective evidence, would help in assessing the extent of excellence achieved by the applicant.
6. Answers to every question must be provided at the designated place. Any reference to the Supporting Material must be pointed out with specific reference to the respective Supporting Material with specific Page Number, etc.
7. Answer to a question cannot be just a Reference to any Supporting Material. Just mentioning that “Refer to Supporting Material for the answer” is not sufficient and relevant.
8. **Support material:** - Support material may be derived from self-assessment of the organization’s activities. This information must be closely aligned with the Award assessment criteria. The criteria are carefully and deliberately phrased in non-prescriptive terms, to allow you the freedom to present self-assessment information, which is relevant to your specific situation.
9. Support Material is a document that adds value to the response, for help in assessment. Cross-referencing of the support material is necessary. Please ensure that the support material is properly numbered as Enclosure I, II/Supporting Document I, II/Attachment I, II/Appendix I, II, etc., and specify that reference number in your response.
10. 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.
11. Please DO NOT attach the foregoing Award Scheme details with your completed application (Annexure 1, 2 & 3).
12. There is no WORD/PAGE LIMIT for compiling the Application, but providing precise information will be more effective.

APPLICATION FORM – GPEMA**Instructions:**

1. Annexure-1 MUST be TYPED in minimum font size of 10 pt.
2. Annexure-1 MUST be duly SIGNED and officially STAMPED on each page of Annexure 1 only.
3. In case, the Highest Ranking Official is not present to sign the document, any other Authorized Signatory may also sign on his/her behalf.
4. Please mention the Payment Details under Point No. 9 of Annexure-1.
5. In case, for any unavoidable reason, the payment is under processing, the applicant organization is required to take a prior EMAIL APPROVAL from GPA Secretariat regarding submission of application.
6. In such cases, the applicant organization is required to mention under Payment Details that the "Payment is under process and Email Approval for submission of application has been obtained from the GPA Secretariat along with the Expected Timeline for the payment."

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 with  
Organizational Seal

9. PLEASE MENTION THE PAYMENT DETAILS (paid by either of the following):

(In case, for any unavoidable reason, the payment is under processing, the applicant organization is required to take a prior EMAIL APPROVAL from GPA Secretariat regarding submission of application.

In such cases, the applicant organization is required to mention under Payment Details that the "Payment is under process and Email Approval for submission of application has been obtained from the GPA Secretariat along with the Expected Timeline for the payment."

(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 Environment Management Award** Scheme, and understand and accept that the decision of the Award Jury is final in all respects, and that no correspondence or appeal will be accepted on 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 of the  
Organization with Organizational Seal

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. **If Supporting Materials are available in form of Web Links or Image Links, they have to be submitted in the form of a Downloaded Copy.**
  3. **Please Do Not provide Web Links as Supporting Material.**
  4. **Please Do Not provide any Image Links as Supporting Material.**
  5. **Indian applicants are required to give all the financial figures only in terms of Rs. (in Crore).**
  6. **Overseas applicants may give financial figures in \$ Million.**
- 

### 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)
  - 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)**
  - Industrial 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.
  - Have you adopted any International Integrated Reporting System (IIRS) in the organization? Attach a copy of your latest report. In case you are not following the IIRS then specify the reporting system you are following (Attach a copy).
  - Indicate if the applicant is certified to ISO 9001 / ISO 14001 / ISO 45001 / OHSAS 18001 / SA 8000 / others. Attach a copy of the certificate(s).

*\* 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 ENVIRONMENT MANAGEMENT AWARD 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 **performance data** should cover the **previous two (2) completed financial years**. Applicants are also required to enclose the relevant information / data / supporting documents, for assessment, wherever necessary.
- ii. The term '**stakeholder**' should be understood to include not only customers / clients and shareholders, but also suppliers, employees, community and the government, as appropriate.
- iii. This is a **common criteria** for applicants from all categories: business (all the sectors), government and non-government organizations. If any particular question is not applicable / relevant to your industry / organization, please answer it as "**Not Applicable**" (**NA**), and provide justification.

### **NOTE:**

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

### Section A – Environmental Governance

- A. 1 Status of the Annual Environmental Statement. (Please indicate the date of submission of the last report and attach a copy.)
- A. 2 Does your organization publish Sustainability Report on an yearly basis, as per the format of Global Reporting Initiative (GRI)-4 or any other format (please specify the format)? Attach a copy. Give salient features and attach a copy of whatever is published in this regard.
- A. 3 Attach the organization's 'Environment Policy'. Does it reflect its commitment to sustainability and climate change? Describe specific elements of commitment.
- A. 4 Does the organization follow any specific stakeholders' engagement plans? Provide salient features.
- A. 5 Are you conducting environment audit as per ISO 14001? What has been its impact?
- A. 6 Are the environmental features of the organization reflected in the Annual Report? Give details of contents.
- A. 7 How is the organization aligned with climate change concerns, and has it adopted the GHG Protocol Standard? Give details.
- A. 8 Is the organization resilient to top ESG risks?
- A. 9 How does the organization encourage its work force to adopt sustainable and environment-friendly lifestyle?
- A. 10 Is ESG part of overall Governance Structure (Board & Board Committees)?
- A. 11 Is the ESG agenda included in the Charter of Board Committees?

A. 12 Is the environmental risk integrated with the enterprise risk management framework of the Organization?

A. 13 Responsibility towards society:

- a) How do organizational leaders (Board) demonstrate their concern for the environment? Give details.
- b) How is the environment protected through practices that prevent products, services, facilities and operations adversely impacting the surroundings?
- c) How does the organization identify key environmental areas for community support? Give details.
- d) What has been your contribution to 'Swachh Bharat Mission'?

## Section B – Legal Compliance

B. 1 Compliance of applicable Laws/ Acts and validity of the required consents for operation (attach Proof in terms of copies of approval letters from concerned authorities):

- a) Air Act.
- b) Water Act.
- c) Storage/ handling/ disposal of hazardous chemicals/ waste (including bio-medical waste).
- d) Compliance with the prescribed approvals / standards for – effluents/ emissions/ hazardous/ bio-medical/ solid waste.
- e) Provide details of renewals of required statutory approvals and clearances. (Provide information in the shape of a matrix.) Explain reasons, if compliance in any case is not updated.

B. 2 Is there a periodic check of the Company legal compliance framework documents?

B. 3 Provide details of the magnitude and nature of penalties, if any, for non-compliance with applicable national, regional and local regulations associated with environmental issues (e.g., air quality, water quality etc.).

B. 4 (a) Give details of public complaint/ litigation/ legal action initiated by the competent authorities, including pollution control authorities, if any, in respect of the management of environmental issues/ concerns of the industry.

(b) Details of such actions faced or pending, during the last two years.

## Section C – Training

C. 1 Provide details of Training of top management on environment appreciation.

C. 2 Provide details of awareness and training programmes conducted for employees and their families, local community, customers and suppliers.

C. 3 What is the number of trained manpower for operation and maintenance of the treatment / disposal facilities for each of the following:

- a) Effluents;
- b) Environmental Monitoring specially Emissions; and
- c) Hazardous / bio-medical / solid waste.

## Section D – Monitoring of Environmental Performance

D. 1 Monitoring

a) What are the priorities for environment monitoring? Give details.

b) Are the existing monitoring programmes providing the information required to evaluate and protect resources? Provide details.

D. 2 Materials (in Tonnes/Kilograms and Year-wise)

- a) Total materials used (other than fuel and water) per tonne of produce.
- b) Quantity of recycled materials used.
- c) Quantity of packaging materials used.
- d) Quantity of hazardous chemicals / materials used.
- e) Objectives, programmes and targets for materials replacement (e.g., substituting hazardous chemicals with less hazardous alternatives).

D. 3 Energy (Quantity in Joules or any other unit and Year-wise)

- a) Total energy use per year.
- b) Average energy consumed per tonne of produce.
- c) Change from last year.
- d) Measures undertaken to move towards renewable energy sources, and energy efficiency measures.

D. 4 Emissions to Air (Quantity also in Tonnes/Kilograms and Year-wise)

- a) Emissions to air, by type (e.g., CO<sub>2</sub>, CO, PM2.5, PM10.0, NH<sub>3</sub>, HCl, HF, NO<sub>2</sub>, SO<sub>2</sub> and sulphuric acid mists, VOCs and NO<sub>x</sub>, metals, and persistent organic chemicals) and nature.

D. 5 Water (Quantity in Litres/Tonnes and Year-wise)

- a) Total water usage per year and percentage of fresh water used per year.
- b) Indicate water sources significantly affected by the organization's use of water.
- c) Water resource conservation measures and what were quantitative savings?
- d) Discharges to water bodies, by type (e.g., oils/greases, TSS, COD, BOD, metals and persistent organic chemicals) and nature.
- e) Profile of water bodies into which flow affluent is discharged (e.g., ground water, river, lake, wetland, ocean).
- f) Water consumption and withdrawal in water stressed areas.

D. 6 Waste Disposal to Land (Year-wise)

- a) Quantity of waste dumped underground, by material type.
- b) On-site and off-site management type (e.g., incineration, landfilling). Provide details.
- c) Provide details of soil contamination and pollution prevention measures.

D. 7 Land-Use / Biodiversity (Year-wise)

- a) Amount of land owned, leased, managed, or otherwise utilized by the organization. Type of ecosystem habitat affected and its status (e.g., degraded, pristine).
- b) Habitat changes due to operations. Amount of habitat protected or restored.

D. 8 Emissions, Effluents, and Waste (Tonnes/Kilograms)

- a) Greenhouse gas emissions in tonnes of CO<sub>2</sub> equivalent (global warming potential).
- b) Ozone depleting substance emissions in tonnes of CFC-11 equivalent (ozone depleting potential).
- c) Total waste (for disposal). Provide definition, destination, and estimation method.
- d) Employees' participation in waste minimization: Quantity of waste returned to process or market (e.g., through recycling, reuse, or remanufacture) by type.

D. 9 Environmental Quality Monitoring (Year-wise)

- a) Indicate the periodicity of monitoring. Enclose a sample copy of Quality Assurance Plan, which is compiled during Environmental Quality Monitoring.
- b) Has any survey on Public Health profile among employees and local communities been conducted? Provide details.

D. 10 (a) Is Environmental Health and Safety Management System available for on-site and off-site hazards? Provide details.

(b) Indicate on-site accident & off-site emergency plans and established crisis-management system.

D. 11 Give details of measures for handling, treatment and disposal of:

- a) Effluents.
- b) Emissions.
- c) Solid Waste.
- d) Hazardous Waste.
- e) Electronic Waste.
- f) Construction and Demolition Waste.

## Section E – Clean Technologies

**Describe steps taken and results obtained in respect of the following, during the past two years.**

(Please indicate results in quantitative and physical terms.)

E. 1 Use / Development of clean technologies.

E. 2 Reduction in the consumption of - Water, Power (electricity/coal etc.), and Raw Materials.

E. 3 Reduction in the generation of:

- a) Effluents,
- b) Emissions, and
- c) Hazardous / solid waste.

E. 4 Steps for reuse / recycle of waste.

- E. 5 Plantation undertaken in and around the industry locations / sites.
- E. 6 Improvement in house-keeping to make it environment-friendly.
- E. 7 Use of environment-friendly inputs / products in the manufacturing / packaging / distribution processes etc.
- E. 8 Development / production / consumption / distribution of eco-friendly / labelled products made by the industry.
- E. 9 Introduction of end-of-the-pipe clean-up technologies.
- E. 10 Introduction of cleaner production / manufacturing / processing technologies.
- E. 11 Use of organic composting techniques for bio-degradable wastes, waste minimization and waste exchange practices.

## Section F – General

- F. 1 What are the special features of environment management in the organization, which make a strong case for the Award? Provide details.
- F. 2 Has any Environmental Benchmarking been performed for any specific process? Provide details.
- F. 3 Give details of sharing innovative technologies and management practices for environment protection with suppliers/ clients and industry, in general.
- F. 4 Describe steps for development of CDM projects, if any.
- F. 5 Describe Impact of Environment Management Systems on the performance of the organization. Provide quantitative impacts wherever possible.
- F. 6 Is the organization making use of transformative technologies, including artificial intelligence, in any of its processes and procedures? Provide details.

### NOTE:

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

\*\*\*\*END\*\*\*\*