



ENERGY CONSUMPTION & GHG EMISSIONS POLICY

Energy Efficiency, Emissions Management & Renewable Energy

Document No.	ZIR/POL/ENV/002	Revision	01
Effective Date	01.04.2026	Review	Annually and upon material change
Owner	Management / EHS	Approval	Managing Director
Applicability	Ziran India operations within the assessment scope	Status	Controlled Document

1. Purpose

Ziran India is committed to responsible energy use, energy efficiency and systematic management of greenhouse gas (GHG) emissions associated with its operations. This policy establishes the framework for monitoring energy consumption, identifying opportunities for efficiency, managing emissions and progressively increasing the use of renewable energy where feasible.

2. Scope

This policy applies to Ziran India operations covered by the sustainability management system and includes energy used in production, utilities, buildings, equipment and other operational activities within the assessment scope.

3. Policy Commitments

- Monitor and review energy consumption at defined intervals using appropriate records and measurement methods.
- Promote efficient use of electricity and other energy inputs and identify avoidable consumption.
- Monitor Scope 1 GHG emissions and improve the quality and completeness of emissions information as data systems mature.
- Evaluate opportunities to reduce energy-related emissions through operational efficiency, maintenance, process optimisation and technology improvement.
- Evaluate feasible opportunities for renewable energy use and progressively increase renewable-energy contribution where technically and commercially appropriate.
- Integrate significant energy and GHG considerations into environmental planning, operational controls and management review.

4. Energy Consumption Management

- Energy consumption shall be monitored using available utility bills, meter readings, equipment records and other controlled operational records.
- Major energy-consuming equipment and utilities shall be considered when identifying efficiency opportunities.
- Preventive maintenance, equipment optimisation and good operating practices shall be used to reduce unnecessary energy consumption.
- Where practical, energy performance shall be reviewed against historical consumption and operational activity to identify unusual variation or improvement opportunities.



5. GHG Emissions Management

Ziran shall maintain a systematic approach for identifying and monitoring GHG emissions relevant to its operations. Scope 1 emissions shall be monitored as an identified KPI. Where reliable activity data and emission factors are available, the company may progressively strengthen its calculation and reporting of relevant emissions sources.

- Identify relevant direct emission sources within operational control.
- Maintain records supporting emissions calculations and periodic review.
- Consider energy-efficiency and process-improvement measures as means of reducing emissions.
- Review significant changes in energy use, fuel use or operational conditions and initiate corrective or improvement actions where required.

6. Renewable Energy

Ziran shall evaluate feasible opportunities for renewable energy and lower-carbon energy sources. Renewable-energy use shall be monitored as a separate performance indicator where applicable. Decisions on renewable-energy projects shall consider technical feasibility, operational requirements, reliability, environmental benefit and commercial viability.

7. Objectives and Targets

Energy and GHG objectives shall be established through the company's management-system planning process. Where quantitative targets are approved, they shall specify a measurable goal, baseline, target year, responsible ownership and review frequency. Targets shall be reviewed in management review and revised where justified by performance, operational changes or new opportunities.

8. Monitoring and KPI Framework

KPI	Frequency	Unit	Purpose	Record / Source
Scope 1 GHG emissions	Monthly	As defined in KPI register	Track direct operational emissions	KPI measurement records
Total energy consumption	Monthly	MWh	Monitor total energy use	Utility / meter records and KPI register
Renewable energy	Monthly	Defined energy unit / % where applicable	Track renewable-energy contribution	Energy records and KPI register

9. Roles and Responsibilities

- Managing Director: approve policy, provide direction and resources, and review significant performance and improvement priorities.
- Management / EHS: coordinate energy and GHG monitoring, maintain relevant records, identify improvement opportunities and report performance.
- Maintenance / Engineering / Utilities: support equipment efficiency, preventive maintenance, meter information and implementation of approved improvement actions.
- Department Heads: implement energy-conscious operating practices and support monitoring within their areas.
- Employees: follow operating controls, avoid unnecessary energy use and report abnormal energy consumption or equipment conditions.



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10. Operational Measures

- Preventive maintenance of energy-consuming equipment and utilities.
- Efficient operating practices and avoidance of unnecessary idling or consumption.
- Evaluation of equipment and technology improvements where justified.
- Monitoring of abnormal consumption and investigation of significant deviations.
- Employee awareness and communication on responsible energy use.

11. Records, Review and Corrective Action

Energy bills, meter records, KPI records, maintenance records, improvement actions and other relevant evidence shall be retained under Ziran's documented-information controls. Significant deviations, identified inefficiencies or data-quality issues shall be addressed through appropriate corrective or improvement actions. Performance shall be reviewed periodically and during management review.

12. Continual Improvement

Ziran shall continually improve its energy and GHG management approach by strengthening measurement, improving data quality, implementing feasible efficiency measures, evaluating renewable-energy opportunities and using performance trends to guide management decisions.

13. Controlled References

- Ziran Environmental Policy – effective 01.04.2026.
- Ziran Waste Management Policy – ZED 09 – Revision 01 – effective 01.04.2026.
- Ziran Water Management Policy – ZED 08 – Revision 01 – effective 01.04.2026.
- KPI Definition and Measurement Register / KPI Measurement Procedure.
- Applicable preventive-maintenance, utility and equipment-management procedures and records.
- Ziran Quality Manual / Integrated Management System documentation.

14. Approval

Prepared / Controlled By QA head	Reviewed By – Admin coordinator -	Approved By – MD
		