GREEN INDUSTRY POLICY AND IMPLEMENTATION IN INDONESIA

By: Ngakan Timur Antara
Head of Agency for Research and Development of Industry
Ministry of Industry Republic of Indonesia
1. GREEN INDUSTRY CERTIFICATION

Application to Green Industry Certification Body (GI-CB)

Conformity Audit by Site Audit

Certification Issued Valid for 4 years

Company entitled using GI Logo

Re-Application

Desk Audit

Evaluation

2. GREEN INDUSTRY AWARD

2015: 102
2016: 129
2017: 124

IN 2017
5 COMPANIES HAS BEEN CERTIFIED AS GREEN INDUSTRY ENTERPRISE

UNTIL 2017
MOI HAS APPOINTED 14 GREEN INDUSTRY CERTIFICATION BODY (GI – CB)

OBJECTIVE
ENCOURAGES INDUSTRY TO IMPLEMENT GREEN INDUSTRY

ASPECTS
1. PRODUCTION PROCESS (70%)
2. WASTE / EMISSIONS MANAGEMENT PERFORMANCE (20%)
3. COMPANY MANAGEMENT (10%)
REQUIREMENTS OF GREEN INDUSTRY STANDARD

- Raw Materials
- Energy
- Water
- Production Process
- Product and Package
- Waste Management
- GHGs Emission

MANAGEMENT REQUIREMENTS

- Policy and Structure
- Strategic Plan
- Implementation and Monitoring
- Management Review
- Corporate Social Responsibility
- Safety, Health and Environment

GREEN INDUSTRY STANDARD SECTORS

- Portland Cement
- Ceramic Tile
- Powder Milk
- Textile: Dyeing, Stamping & Finishing
- Fertilizer
- Pulp and Integrated Pulp
- Ribbed Smoked Sheet
- Crumb Rubber

PROPOSED GREEN INDUSTRY STANDARD BY TECHNICAL TEAM

2015 2016 2017 2018

8 6 9 6
INDUSTRIAL ESTATE DEVELOPMENT IN INDONESIA

1st Generation
1970 - 1989
- Infrastructure: not integrated with supported facility (electricity, water, etc.)
- Environment: un-intensive waste management
- Development direction: to push industrial estate growth

2nd Generation
1989 - 2009
- Infrastructure: partially integrated with supported facilities including school and settlement
- Environment: care to local environment
- Development direction: to grab investor

3rd Generation
2009 - Now
- Infrastructure: fully integrated with supported facilities
- Environment: not only care to local environment but also to surrounding area (larger)
- Development direction: aimed to develop new city and modern industrial estate

4th Generation
Eco Industrial Estate
3rd Gen plus:
- Single integrated infrastructure design
- Green / environmentally friendly infrastructure,
- Green concept building

Makassar Industrial Estate
Jababeka Industrial Estate
Java Integrated Industrial Port Estate
Eco Industrial Estate Concept
GUIDELINES FOR ECO INDUSTRIAL ESTATE DEVELOPMENT

**ECONOMIC**
- Strategic Plan
- Professional Management
- Profitable Management and Marketing
- Service oriented
- Networking and collaboration

**ENERGY EFFICIENCY**
- Energy Supply and Distribution
- Socialization and energy efficiency encouragement
- Energy efficiency of transportation and logistic system

**RESOURCES EFFICIENCY**
- Natural resources efficiency
- Synergy of by-product exchange
- Waste management
- Water and Wastewater management
- Land use efficiency
- Maintenance, Clearence, and Retrofit

**ENVIRONMENT**
- Socialization and compliance of environmental regulations and standards
- Emission monitoring and controlling
- Ground and groundwater protection
- Effort regarding biodiversity
- Mitigation and adaptation of climate change
- Disaster risk managemnet

**SOCIAL**
- Community participation in the planning and operational phase
- Promotion of HSE standards and workforce housing standards
- Public and social facilities
- Security System
OBJECTIVE:
TO MOTIVATE AND ENCOURAGE INDUSTRIAL ESTATE MANAGEMENT COMPANIES TO CONTINUE TO IMPROVE THE QUALITY OF SERVICES

SCORING CRITERIA

- LEGAL ASPECT
- COMPLIANCE TO NATIONAL REGULATION
- CUSTOMER SATISFACTION INDEX
- SERVICES TO TENANT
- SOCIAL RESPONSIBILITY
- COMMUNITY EMPOWERMENT
- SUPPORTING FACILITY
- COMPLIANCE TO WASTE MANAGEMENT REGULATION
- WATER INFRASTRUCTURE
- ENERGY INFRASTRUCTURE
INDUSTRIAL ESTATE STANDARD

1. Management and Service
   1. Strategic Plan
   2. Land Allotment Ratio
   3. Provide land for SMEs
   4. HSE Management System
   5. Code of conduct
   6. Service for tenant
   7. Industrial estate database

2. Facilities and Infrastructures
   1. Road Network
   2. Wastewater discharge transmission
   3. Control pit system
   4. Energy supply guarantee
   5. Drainage System

3. Environmental Management
   1. Company Policy in Green Industry Implementation
   2. Environmental Management Compliance
   3. Energy efficiency and renewable energy
   4. Water conservation and efficiency
   5. Wastewater management
   6. Work environment
   7. Environmental Quality Standards
   8. Waste/Emission Facilities

4. Social Responsibility and Community Development
   1. Social Responsibility
   2. Community Development

3-5 October 2018
Bangkok, Thailand
THANK YOU

ADDRESS
Ministry of Industry Building, Floor 19 -20
Jalan Jenderal Gatot Subroto Kav. 52-53
Jakarta

PHONE
+62 525 1429

E-MAIL
infolitbang@kemenperin.go.id

WEBSITE
www.bppi.kemenperin.go.id