




**PROJECT  
ENVIRONMENTAL AND SOCIAL  
MANAGEMENT SYSTEM (ESMS)  
GUIDELINES**

**PT Sarana Multi Infrastruktur (Persero)  
2014**

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## 1. Background

PT Sarana Multi Infrastruktur Public Company (Persero), hereinafter called “the Company”, is a State-Owned Enterprise (SOE) which was established to accelerate the national infrastructure financing through partnerships with private sectors and/or multilateral financial institutions.

To achieve the above purpose, the Company is committed to managing its environmentally-and-socially-friendly business activities.

The financing and investment activities, project development, and consulting service provision for infrastructure projects are expected to be in compliance with applicable occupational health and safety as well as environmental and social requirements in Indonesia. For this purpose, the Company is required to compose and issue Project Environmental and Social Management System (ESMS) Guidelines.

## 2. Purpose and Objective

The Project ESMS Guidelines are intended as a reference for the Company in conducting its financing and investment activities, project development, and consulting service provision. Below are the Guidelines’ purposes:

- a. To apply prudent principles so that occupational health and safety as well as environmental and social risks can be adequately assessed, measured, monitored, controlled and mitigated.
- b. To provide clarity of authority and responsibility, as well as role and function of each related work unit.
- c. To maintain performance consistency and level in implementing and managing the occupational health and safety as well as environmental and social risks as part of financing and investment activities, project development, and consulting service provision so as to create an effective and efficient work process.


## 3. Scope

These Project ESMS Guidelines contain guidance on implementing occupational health and safety as well as environmental and social risk management, related to financing and investment activities, project development, and consulting service provision. The Project ESMS Management will be governed by individual guidelines.

## 4. Legal Basis

The Project ESMS Guidelines are established by referring to the following provisions:

- a. Act Number 32 Year 2009 on Environmental Safeguards and Management
- b. The Republic of Indonesia Act Number 1 Year 1970 on Occupational Safety.
- c. The Republic of Indonesia Act Number 13 Year 2003 on Employment.
- d. The Republic of Indonesia Act Number 2 Year 2012 on Land Procurement for Public Interest

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Development

- e. Government Regulation Number 27 Year 2012 on Environmental Permit
- f. Minister of Environment Regulation Number 05 Year 2012 on Types of Business Plan and/or Activities Obligatory to Have Environmental Impact Assessment (EIA).
- g. Minister of Environment Regulation Number 17 Year 2012 on Guidelines for Community Involvement in Environmental Impact Assessment and Environmental Permit Process.
- h. Minister of Finance Regulation Number 100/PMK.010/2009 on the Company's Infrastructure Financing.
- i. The Republic of Indonesia Regulation on Occupational Health and Safety as well as Environmenta and Social issues for specific sectors, as mentioned in Appendix I.
- j. PT. Sarana Multi Infrastruktur Articles of Association .
- k. Good Corporate Governance.
- l. Code of Conduct.
- m. Risk Management Guidelines.
- n. Company Policy Establishment Guidelines.
- o. Board of Directors Regulation on the Company Divisions' Main Duties and Functions.

## 5. Exception


If any exceptions to these guidelines are required in certain conditions, such exceptions should accordingly be approved by Board of Directors. If necessary, Board of Directors may request a review in advance from Risk Management Division.

The above-mentioned exceptions should be based on the analysis result of transactions or business activities by paying attention to the possible potential risk factors and precise managerial consideration related to the Company interests.


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## 6. Definition

- a. AMDAL/EIA** : Environmental Impact Assessment constitutes the required documents based on Act Number 32 Year 2009 and its implementation should be in accordance with Government Regulation Number 27 Year 2012 on Environmental Permit and Minister of Environment Regulation Number 05 Year 2012 on Types of Business Plan and/or Activities Obligatory to Have Environmental Impact Assessment (EIA). EIA consists of 4 (four) inseparable documents, namely:
- EIA Terms of Reference, containing the scope plan of environmental impact assessment.
  - Environmental Impact Assessment (AMDAL/EIA), the identification of positive and negative significant impacts of a project/activity.
  - Environmental Management Plan (RKL), documenting the significant impact management plan efforts.
  - Environmental Monitoring Plan (RPL), documenting the monitoring plan efforts to complement the significant impact monitoring efforts.
- b. Hazardous and Toxic Substances (B3)** : Substances, energy, and/or other components due to its nature, concentration, and/or amount, either directly or indirectly, can pollute and/or damage the environment, and/or endanger the environment, as well as the human being and other living creature's health and survival.
- c. Business Division** : An Activity-Executing Division which makes and implements decisions relating to the Company's business activities, namely financing and investment activities or project development or consulting services.
- d. Environmental and Social Due Diligence (ESDD)** : A process to investigate/audit the potential investment in details, such as the management and operational process identification, field data verification, particularly related to environmental and social viewpoint. This process is conducted by the Company.
- e. Environmental and Social Management System (ESMS)** : A process-and-procedure management system in which an organization analyzes, controls, and reduces the environmental and social impacts resulting from its activities, products and services.
- f. Exclusion List** : A list of projects that are not allowed to receive the Company services, related to financing and investment activities, project development, and consulting service provision.

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- g. International Finance Corporation (IFC)** : An international financing institution that offers investment as well as asset management advice and services in order to encourage private sector development in developing countries.
- h. Consulting Services** : Professional expertise service provision by the Company in infrastructure field for the service users based on a consulting-service-provision agreement between the Company and service user.
- i. Financing** : Provision of funds or equivalent collection, based on a loan deal or an agreement between the Company and the debtor. The debtor is required to settle debt after a certain period of time with interest.
- j. Project Development** : Service provision for preparation and development of infrastructure projects by the Company.
- k. Decision-Making- Authorized Official** : Officers of the Company who are based on Board of Directors Regulations have the authority to make any decisions on specific activities.
- l. Regulation** : The condition or capability that must be met or possessed by all activities, products and services in line with occupational health and safety as well as environmental and social provisions.
- m. Risk** : The potential occurrence of an event, whether predictable or unpredictable which may cause negative impacts on the Company's vision, mission, purpose/objective achievement.
- n. Letter of Ability to Manage and Monitor the Environment (SPPL)** : Commitment Statement of the parties responsible for business and/or activity to conduct the environmental management and environmental impact monitoring from the businesses and/or activities other than the businesses and/or activities which are subject to having EIA or UKL-UPL.
- Environmental Management Efforts- Environmental Monitoring Efforts (UKL –UPL)** : Mandatory documents under Act Number 32 Year 2009 and its implementation in accordance with Government Regulation Number 27 Year 2012 on Environmental Permit, but not included in the projects/activities contained in the Minister of Environment Regulation Number 05 Year 2012 on Types of Business Plan and/or Activities Obligatory to have EIA.

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	<b>PROJECT ESMS MANAGEMENT PURPOSE AND ETHICS</b>	<b>CHAPTER - II</b>

### 1. Management Purpose

The Company is committed to managing its environmentally-and-socially-friendly business activities with below objectives:

- a. To ensure that the management and stakeholders of the financed companies understand the guideline commitments made by PT SMI.
- b. To guarantee that financing and investment activities, project development, and consulting service provision performed by the Company comply with overall regulations related to occupational health and safety as well as environmental and social aspects.
- c. To ensure that the reviewing process related to the above point b. is conducted periodically and meets occupational health and safety as well as environmental and social audit standard.

### 2. Management Ethics

The executors and parties involved in the Project ESMS management should obey business ethics and corporate governance (code of conduct) as set forth in these Guidelines.

### 3. Project ESMS Management Risk

In carrying out the Project ESMS management, the Company should pay attention to and take into account the potential risks that may occur as well as make any efforts to mitigate the risks

#### a. Credit Risk

A risk arising from counterparty/debtor failure to meet their obligations in accordance with the agreed terms, including the Project ESMS implementation required by the Company in the financing agreement.

The credit risk mitigation, among others is by performing identification, assessment, monitoring and control over ESMS management for the funded projects.

#### b. Operational Risk


A risk due to the insufficiency and/or failure of internal process, human error, system failure, or external problems affecting the Company's business activities, such as the procedural errors in carrying out the Project ESMS management in investment activities, project development, and consulting service provision.

Operational risk mitigation is performed by ensuring guideline, procedure and manual/technical instruction sufficiency which govern the Project ESMS management, dual-control culture availability and a clear segregation of duties.


#### c. Reputation Risk

A risk that is partly due to the negative publicity associated with the Company's business activity or the negative perception on the Company related to the inappropriateness of the Project ESMS management carried out by the Company.



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This reputation risk mitigation, among others is by performing internally and externally sound communication management with stakeholders through activities that can create positive corporate images, including with the media.


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	<b>ORGANIZATION AND RESPONSIBILITY</b>	<b>CHAPTER - III</b>

## 1. Board of Directors

- a. Establishing policies and risk appetite for ESMS implementation in the Company's activities.
- b. Establishing the organizational structure including clear authority and responsibility related to ESMS implementation in the Company's activities.
- c. Monitoring compliance with ESMS management implementation and providing guidance on ESMS management improvement in the Company's activities.

## 2. Risk Management Division

- a. Risk Management Division Head bears below responsibilities:
  - i. Ensuring that the financing and investment activities, project development, and consulting service provision are in compliance with the provisions as set forth in the regulations, in accordance with the Project ESMS scope.
  - ii. Establishing risk categories of Project ESMS management.
  - iii. Approving Environmental and Social Due Diligence (ESDD) report result and ESDD report review results which are prepared by ESMS Officer.
  - iv. Submitting ESDD report to Financing & Investment Division (DPI) as well as Credit and Investment Committee (IMC/KKI) for consideration materials in financing and investment decisions.
  - v. Ensuring resource adequacy related to the Project ESMS implementation in Risk Management Division.
- b. ESMS Officer bears below responsibilities:
  - i. Evaluating whether the financing and investment activities, project development, and consulting service provision are already compliance with the provisions stipulated in the regulations as well as in accordance with the Project ESMS scope.
  - ii. Proposing the Project ESMS management report and risk categories.
  - iii. Performing the project site visit.
  - iv. Performing ESDD and preparing ESDD report including recommending Corrective Action Plan (CAP).
  - v. Reviewing ESDD report after being compiled by the Pool of Expert-Advisory and Project Development Support Division (DDPPA) or Consultant.
  - vi. Keeping and maintaining hardcopies or softcopies of Project ESMS documents.

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### **3. Business Division**


- a. Ensuring that the project is not included in the Exclusion List.
- b. Coordinating with the counterparties/debtors for completing the necessary documents in the Project ESS management.
- c. Monitoring the financing and investment facilities or project development or consulting services.
- d. Keeping and maintaining hardcopies or softcopies of Project ESMS documents.

### **4. Financing Facility Control Division (DPFP)**

- a. Monitoring the fulfillment of compliance obligations by the parties, including the fulfillment of Corrective Action Plan, which is in line with the financing and investment agreement.
- b. Keeping and managing the original Project ESMS documents as part of financing and investment documentations.

### **5. Advisory and Project Development Support Division (DDPPA)**

- a. Monitoring the Project ESMS implementation by the Pool of Expert-Advisory and Project Development Support Division (DDPPA)/Consultant.
- b. Taking care of physical storage and management of original ESMS documents as part of the activity documents of project development and consulting service provision.

	<b>PROJECT ESMS GUIDELINES</b>	Stipulated Date:
	<b>PROJECT ESMS RISK REGULATION, SCOPE AND CATEGORY</b>	<b>CHAPTER - IV</b>

## 1. Regulation and Scope

### a. Regulation


- i. The Company ensures the compliance of occupational health and safety as well as environmental and social aspects and other supporting provisions with the Republic of Indonesia Regulations. The Republic of Indonesia Regulation List refers to Appendix I- The Republic of Indonesia Regulation List related to Occupational Health and Safety as well as Environmental and Social Aspects.
- ii. The Company will not finance, invest, develop projects, or provide consultancy services on the fields or sectors included in the Exclusion List.

Below is the Exclusion List of Financing and Investment, Project Development and Consulting Service Provision:

- 1) Production or trading of any kinds of products or activities regarded illegal under the State Acts and Regulations or International Conventions and Agreements or tems which are internationally banned, such as illegal drugs, pesticides/herbicides, ozone-depleting substances, polychlorinated biphenyls (PCBs), wildlife or products as regulated under Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES).
- 2) Arms and ammunition production or trading.
- 3) Alcoholic beverage (excluding beer and wine) production or trading.
- 4) Tobacco production or trading.
- 5) Gambling, casinos and similar companies.
- 6) Radioactive material production or trading. Excluding production or trading for medical devices, quality control (measurement) instrument and other equipment in very small quantity and or properly protected.
- 7) Unbonded asbestos fiber production or trading. Excluding the purchase or use of bonded cement asbestos sheets with asbestos concentration of less than 20%.
- 8) Driftnet fishing in the marine environment by using more than 2.5 km net.
- 9) Production or activities related to the exploitation and hazardous work by forced labor<sup>1</sup>/ child labor<sup>2</sup>.
- 10) Trading of deforestation result coming from tropical rainforest.
- 11) Production or trading of timber or other forest production apart from sustainably managed forest.

<sup>1</sup> Forced labor is a work or service undertaken unvoluntarily by a person under the force or punishment threat

<sup>2</sup> Children labor is employing a child who is economically exploited or otherwise harmful to the child or interfere with the child's education or is harmful to the child's health or physical, mental, spiritual, moral and social development

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	<b>PROJECT ESMS RISK REGULATION, SCOPE AND CATEGORY</b>	<b>CHAPTER - IV</b>

b. **Scope**

Below is the Project ESMS scope:

**Table 1 Project ESMS Scope**

Activity	Project ESMS Scope
Financing and Investment	<ul style="list-style-type: none"> <li>• Exclusion list</li> <li>• ESDD of the Companies and/or infrastructure Projects to be financed (debt/equity product)</li> </ul>
Project Development, Consulting Services	<ul style="list-style-type: none"> <li>• Exclusion list</li> <li>• ESMS management in accordance with mandate/assignment scope of work such as ESDD, EIA, UKL-UPL, and others.</li> </ul>


**2. Management Risk Category**

The risk categories of Project ESMS management will provide initial project-related perceptions in relation to occupational health and safety as well as environmental and social risk management. As such, the Company will have a general overview of risk mitigation to be prepared in the project.

The risk categories of Project ESMS management are as follows:


**Table 2 Risk Categories of Project ESMS Management**

Category	ESMS Risk	Project Type
High	a. Projects that require Environmental Impact Analysis (EIA) document. b. There are potentially significant negative impacts on the sensitive and diverse environment. There are long-term potential environmental impacts based on the Indonesian regulations. c. There are potentially significant negative impacts on sensitive and diverse social issues. d. There are potentially significant occupational health and safety issues	i. Large reservoirs ii. New industrial area development iii. Extractive industries, including oil and gas development iv. Large port, airport, rail network and railway station development v. Project development involving large community land replacement vi. Large power plant development vii. Toll road and toll bridge development
Medium	a. Projects that require	i. Electric transmission

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	<b>PROJECT ESMS RISK REGULATION, SCOPE AND CATEGORY</b>	<b>CHAPTER - IV</b>

Category	ESMS Risk	Project Type
	<p>Environmental Management Efforts-Environmental Monitoring Efforts (UKL-UPL) documents</p> <p>b. There are potentially negative environmental impacts having the local nature in the project site. There are short-term potential environmental impacts based on the Indonesian regulations.</p> <p>c. There are potentially negative impacts related to the social issues and having the local nature in the project site.</p> <p>d. There are potentially insignificant occupational health and safety issues.</p>	<p>ii. Telecommunication</p> <p>iii. Renewable Energy (except hydroelectric projects with large scale)</p> <p>iv. Drinking water and sanitation</p> <p>v. New project in an industrial area</p> <p>vi. Wastewater facility development</p>
Low	<p>a. Projects that require Letter of Ability to Manage and Monitor the Environment (SPPL).</p> <p>b. Having the minimal potential or no negative impact on the environment.</p> <p>c. There are no potential social issues.</p> <p>d. There are no potential occupational health and safety issues.</p>	<p>i. Road construction in a small scale, such as: village/housing road.</p> <p>ii. Biogas development in household scale.</p>

Risk Management Division Head establishes the risk categories of Project ESMS management based on ESMS Officer evaluation result on the project description submitted by Business Division.

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	<b>ENVIRONMENTAL AND SOCIAL DUE DILIGENCE (ESDD)</b>	<b>CHAPTER - V</b>

In order to ensure sound occupational health and safety as well as environmental and social risk management performed by counterparties/debtors, Environmental and Social Due Diligence (ESDD) should be undertaken for projects considered to High and Medium Risk Categories, whereas projects under Low Risk Category do not need ESDD.

## 1. ESDD Implementation for Financing and Investment activities

### a. ESDD Executor


- i. ESDD Executor is ESMS Officer accompanied by Business Division.
- ii. Due to the project high complexity, ESMS Officer may involve Consultant to conduct ESDD, provided that:
  - a) ESMS Officer undertakes goods and services procurement pursuant to Procurement Guidelines.
  - b) ESMS Officer reviews ESDD implementation results by the Consultants.
  - c) The Consultant Service Cost in conducting ESDD may be borne by prospective counterparty/debtor.

### b. ESDD Evaluation Component

The Company establishes the occupational health and safety as well as environmental and social components evaluated in the ESDD of a project. Here are the referred components:


Table 3 ESDD Evaluation Component

No	Component	Sub-component
1	Licensing	EIA/UKL-UPL
		Environmental Permit
		Liquid Waste Disposal Permit
		License for Taking Underground Water
		Temporary Storage Permit for B3 Waste
		B3 Waste Treatment Permit
		Incinerator Use Permit
		EIA or UKL-UPL Implementation Report
		Other Permits related to Occupational Health and Safety as well as Environmental issues
2	Air Management	Compliance with Emission Air Monitoring Points
		Compliance with Emission Air Quality Standard
		Compliance with Ambient Air Quality Standard
3	Water and Liquid	Compliance with Water Taking Permit

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No	Component	Sub-component
	Waste Management	Compliance with Liquid Waste Monitoring Points
		Compliance with Liquid Waste Quality Standard
		Water pollution
4	Waste Management	Non-Hazardous and Toxic Substances (B3) Waste Management
		B3 Waste Separation
		B3 Waste Temporary Storage
		B3 Waste Delivery by Third Party
		B3 Waste Management Reporting
		B3 waste pollution
		B3 Waste Contaminated Soil Recovery
5	Hazardous Material Management	Hazardous Material Management
6	Potential Natural Disaster Management	Potential Landslide Management
		Potential Flood Management
		Potential Earthquake Management
7	Occupational Health and Safety	Occupational Health and Safety Program
		Occupational Health and Safety Expert
		Occupational Health and Safety Counselor Committee (P2K3)
		Compliance with Occupational Chemical Factors
		Compliance with Occupational Physical Factors
		Emergency Response Plan
		Employee Health Monitoring
		Personal protective equipment
		Occupational accident
8	Social Issue Management	Social Issue Monitoring
		Corporate Social Responsibility
		Complaints from Stakeholders
		Employment Regulation
		Public Consultation
		Land Replacement
		Corporate Social Responsibility



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	<b>ENVIRONMENTAL AND SOCIAL DUE DILIGENCE (ESDD)</b>	<b>CHAPTER - V</b>

No	Component	Sub-component
		Complaints from Stakeholders
9	Employment	Employment Regulation
10	Land Procurement	Public Consultation
		Land Replacement

c. ESDD Report

i. ESDD Report contains:

- 1) Risk categories of Project ESMS management.
- 2) The ESDD evaluation components- as set forth in point b above.
- 3) Environmental and social conditions of a project and Corrective Action Plan to be able to comply with regulations.
- 4) ESDD report framework refers to Appendix II - Environmental and Social Due Diligence Report Outline.

ii. The provisions on the ESDD Report are as follows:

- 1) ESDD Report is prepared and proposed by ESMS Officer for approval by Risk Management Division (DMR) Head.
- 2) DMR submits ESDD Report to:
  - DPI to be taken into consideration in preparation of indicative termsheet memo.
  - Credit and Investment Committee (KKI) to be taken into consideration in financing and investment decision.


**2. ESDD Implementation for Project Development and Consulting Service Activities**

a. ESDD Executor


- i. ESDD Executor is the Expert (Pool of Expert) - DDPPA or Consultant.
- ii. ESMS Officer reviews the implementation of ESDD of high-risk category to ensure sound occupational health and safety as well as environmental and social risk management.

b. ESDD Evaluation Component

ESDD Evaluation components for project development activities and consulting services depend on the mandate/assignment scope of work given to the Company, provided that they are:

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	<b>ENVIRONMENTAL AND SOCIAL DUE DILIGENCE (ESDD)</b>	<b>CHAPTER - V</b>

- i. Compliance with the Republic of Indonesia Regulation on occupational health and safety as well as environmental and social aspects by referring to Table. 3 ESDD Evaluation Components.
- ii. Compliance with International Standards on occupational health and safety as well as environmental and social aspects by referring to International Finance Corporation (IFC), World Bank (WB), and other international provisions.
- c. ESDD Report
  - i. ESDD report is adjusted to mandate/assignment scope of work given to the Company.
  - ii. ESDD report is prepared by the Pool of Expert - DDPPA or Consultant.
  - iii. DMR will review the ESDD report on DDPPA's request as referred to in point ii above, and submit a review memorandum to DDPPA for follow-up.
- d. Any request which is still in Project ESMS scope and belong to high-risk category can be requested to be reviewed by DMR through DDPPA, based on mandate/assignment scope of work.


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	<b>ADMINISTRATION AND MONITORING</b>	<b>CHAPTER - VI</b>

## 1. Documents to Archive

- a. Documents related to financing and investment activities, among others are:
  - i. Debtor documents related to occupational health and safety as well as environmental and social management based on the project stages. Here is the document list: project esms documents

**Table 4 Project ESMS Documents**

No	Stage	Document Type
1	Pre-Construction	EIA/UKL-UPL
		Environmental Permit
		EIA or UKL-UPL Implementation Report
2	Construction	EIA/UKL-UPL
		Environmental Permit
		License for Taking Underground Water
		B3 Waste Temporary Storage Permit
		EIA or UKL-UPL Implementation Report
		The Letter of Approval from Occupational Health and Safety Counselor Committee (P2K3)
		Company policy in terms of occupational health and safety as well as environmental and social issues
		Occupational accident records and reports
		Emergency response plan document
		Public complaint reports
		Employee health monitoring reports
Employment policy		
3	Operation	EIA/UKL-UPL
		Environmental Permit
		Liquid Waste Disposal Permit
		License for Taking Underground Water
		B3 Waste Temporary Storage Permit
		B3 Waste Treatment Permit

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No	Stage	Document Type
		Incinerator Use Permit
		EIA or UKL-UPL Implementation Report
		The Letter of Approval from Occupational Health and Safety Counselor Committee (P2K3)
		Company policy in terms of occupational health and safety as well as environmental and social issues
		Occupational accident records and reports
		Emergency response plan document
		Public complaint reports
		Employee health monitoring reports
		Employment policy
		Corporate Social Responsibility policies and programs

ii. Company Documents ie ESDD Report, Consultant Report, and others.

b. Documents related to project development activities and consultancy services in accordance with mandate/assignment scope of work given to the Company.

## 2. Monitoring


a. Financing and investment activities, among others are:

i. DPI monitors financed projects and ensures the debtor/counterparty obligation fulfillment which is in accordance with financing and/or investment agreements. In line with single-point-of contact principle, DPI will carry out data, information and documentation request and collections to debtors/counterparties.

ii. DPFPP conducts monitoring process on the debtor/counterparty obligation in accordance with the financing and investment agreements and ensures compliance with the obligations.

iii. Based on DPI and DPFPP monitoring results, in the event of any problems related to the Project ESMS management, ESMS Officer shall conduct an evaluation and provide a solution recommendation on the matter.

b. Monitoring of project development activities and consultancy services is tailored to the mandate/assignment scope of work given to the Company.

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	<b>CLOSING</b>	<b>CHAPTER - VII</b>

This guidance will be effective from the established date of Board of Directors Regulations. The issues that have not been regulated in these guidances will be further described in the implementation Procedures/Manuals/Technical Instructions.


At the time of these guidelines apply, the provisions that are contrary to the ones contained in these guidelines are declared to be no longer valid.

Proposed by,

Approved by,


**Lukman Hakim**  
Risk Management Staff

**Wismanto Bimam Kusumaedi**  
Risk Management Division Head

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	<b>APPENDIX I –THE REPUBLIC OF INDONESIA REGULATION LIST RELATED TO OCCUPATIONAL HEALTH AND SAFETY AS WELL AS ENVIRONMENTAL AND SOCIAL ASPECTS</b>	<b>CHAPTER - VIII</b>


### Regulation List – Applicable for all Sectors

1. The Republic of Indonesia Act Number 32 Year 2009 on Environmental Safeguards and Management.
2. The Republic of Indonesia Act Number 1 Year 1970 on Occupational Safety.
3. The Republic of Indonesia Act Number 13 Year 2003 on Employment.
4. The Republic of Indonesia Act Number 41 Year 1999 on Forestry.
5. The Republic of Indonesia Act Number 2 Year 2012 on Land Procurement for Public Interest Development.
6. Government Regulation Number 27 Year 2012 on Environmental Permit.
7. Government Regulation Number 82 Year 2001 on Water Management and Water Pollution Control.
8. Government Regulation Number 41 Year 1999 on Air Pollution Control.
9. Government Regulation Number 74 Year 2001 on Hazardous and Toxic Substances (B3) Management.
10. Government Regulation Number 85 Year 1999 on Amendment to Government Regulation Number 18 Year 1999 on B3 waste management.
11. Minister of Environment Regulation Number 05 Year 2012 on Types of Business Plan and/or Activities Obligatory to Have Environmental Impact Assessment (EIA).
12. Minister of Environment Regulation Number 16 Year 2012 on Environmental Document Establishment Guidelines.
13. Minister of Environment Regulation Number 17 Year 2012 on Guidelines for Community Involvement in Environmental Impact Assessment and Environmental Permit Process.
14. Minister of Environment Decree Number 112 Year 2003 on Domestic Wastewater Quality Standard.
15. Minister of Environment Decree Number KEP-48/MENLH/11/1996 on Noise Level Standard.
16. Minister of Environment Decree Number KEP-49/MENLH/11/1996 on Vibration Level Standard.
17. Minister of Environment Decree Number KEP-50/MENLH/11/1996 on Odor Level Standard.

	<b>PROJECT ESMS GUIDELINES</b>	Stipulated Date:
	<b>APPENDIX I –THE REPUBLIC OF INDONESIA REGULATION LIST RELATED TO OCCUPATIONAL HEALTH AND SAFETY AS WELL AS ENVIRONMENTAL AND SOCIAL ASPECTS</b>	<b>CHAPTER - VIII</b>

#### **Regulation List – Applicable for all Sectors**

18. Minister of Environment Regulation Number 18 Year 2009 on Licensing Procedures for B3 Waste Management.
19. Minister of Environment Decree Number 45 Year 2005 on Guidelines for Implementation Reports of Environmental Management Plan (RKL) and Environmental Monitoring Plan (RPL) Preparation.
20. Minister of Manpower Regulation Number 2 Year 1992 on Appointment, Duties and Authority Procedures for Occupational Safety and Health Expert.
21. Minister of Manpower Regulation Number 3 Year 1998 on Accident Reporting and Investigation Procedures.
22. Minister of Manpower Regulation Number 75 Year 2002 on Implementation of Indonesian National Standards (SNI) Number SNI-04-0225-2000 on General Requirements for Electrical Installations 2000 (PUIL 2000) in Workplace.
23. Minister of Manpower and Transmigration Regulation Number PER.13/MEN/X/2011 on Threshold Limit Value of Physical and Chemical Factors in Workplace.
24. Joint Decree of Minister of Labour and Minister of Public Works Number 174 Year 1986 No 104/KPTS/1986 on Occupational Health and Safety in Construction Activity Sites.

	<b>PROJECT ESMS GUIDELINES</b>	Stipulated Date:
	<b>APPENDIX I –THE REPUBLIC OF INDONESIA REGULATION LIST RELATED TO OCCUPATIONAL HEALTH AND SAFETY AS WELL AS ENVIRONMENTAL AND SOCIAL ASPECTS</b>	<b>CHAPTER - VIII</b>

#### **Regulation List – Specifically Applicable for Electrical Sector**

1. Minister of Environment Regulation Number 08 Year 2009 on Wastewater Quality Standard for Thermal Power Plant Businesses and/or Activities.
2. Minister of Environment Regulation Number 21 Year 2008 on Stationary Source Emission Quality Standard for Thermal Power Plant Businesses and/or Activities.

#### **Regulation List – Specifically Applicable for Oil and Gas Sector**

1. Minister of Environment Regulation Number 19 Year 2010 on Wastewater Quality Standard for Oil and Gas and Geothermal Businesses and/or Activities.
2. Minister of Environment Regulation Number 13 Year 2009 on Stationary Source Emission Quality Standard for Oil and Gas and Geothermal Businesses and/or Activities.
3. Minister of Environment Decree Number 45 Year 2005 on Guidelines for Reports of Environmental Management Plan (RKL) and Environmental Monitoring Plan (RPL) Implementation Report Preparation.
4. Minister of Environment Regulation Number 13 Year 2007 on the Terms and Procedures for Wastewater Management for Oil and Gas and Geothermal Upstream Businesses and/or Activities by Injection Way.
5. Minister of Environment Decree Number 51 Year 2004 on Sea Water Quality Standard.
6. Minister of Energy and Mineral Resources Regulation Number 20 Year 2008 on Compulsory Indonesian National Working Competence Standard Application in Oil and Gas Business Sector.

#### **Regulation List – Specifically Applicable for Transport Sector**

1. Minister of Environment Regulation Number 05 Year 2009 on Port Waste Treatment.
2. Minister of Environment Decree Number 51 Year 2004 on Sea Water Quality Standard


#### **Regulation List – Specifically Applicable for Drinking Water Sector**

1. Minister of Health Regulation Number 492/Menkes/PER/IV/2010 on Drinking Water Quality Requirements..

#### **Regulation List – Specifically Applicable for Road Sector**

Referring to the regulation list for all sectors.



	<b>PROJECT ESMS GUIDELINES</b>	Stipulated Date:
	<b>APPENDIX I –THE REPUBLIC OF INDONESIA REGULATION LIST RELATED TO OCCUPATIONAL HEALTH AND SAFETY AS WELL AS ENVIRONMENTAL AND SOCIAL ASPECTS</b>	<b>CHAPTER - VIII</b>

**Regulation List – Specifically Applicable for Telecommunication Sector**


Referring to the regulation list for all sectors.

**Regulation List – Specifically Applicable for Irrigation Sector**

Referring to the regulation list for all sectors.

**Regulation List – Specifically Applicable for Waste Water Sector**

Referring to the regulation list for all sectors.

	<b>PROJECT ESMS GUIDELINES</b>	Stipulated Date:
	<b>APPENDIX II – ESDD REPORT OUTLINE</b>	<b>CHAPTER - VIII</b>

### **ESDD Report Outline**

- 1. Background**
- 2. Objective**
- 3. Project Description**
- 4. Occupational Health and Safety as well as Environmental and Social Licensing Status**
- 5. Environmental Issue Management:**
  - Air Management
  - Liquid Waste Management
  - Waste Management
  - Hazardous and Toxic Substances (B3) management
- 6. Potential Natural Disaster Management:**
  - Potential Landslide
  - Potential Flooding
  - Potential Earthquake
  - Other Potential Natural Disasters
- 7. Occupational Health and Safety Management:**
  - Occupational Health and Safety Policies and Procedures
  - Occupational Health and Safety Implementation
- 8. Social Issue Management:**
  - Corporate Social Responsibility
  - Complaints from Stakeholder
- 9. Employment Management**
- 10. Land Acquisition Management:**
  - Public Consultation
  - Land Replacement
- 11. Conclusion of Occupational Health and Safety as well as Environmental and Social Management Status**
- 12. Corrective Action Plan**