

JCM Sustainable Development Implementation Plan Form

A. Project description

A.1. Title of the JCM project

10MW Mini Hydro Power Plant Project in North Sumatra
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A.2. Contact information

Name of the focal point entity (ies):	TOYO ENERGY FARM CO., LTD.
Name of authorized signatory	Mr. <input checked="" type="checkbox"/> Ms. <input type="checkbox"/>
Last name: KANAZAWA	First name: TAKASHI
Title: General Manager, International Marketing Division	

B. Possible Contribution to Sustainable Development

B.1 Plan for possible contribution to SD

No.	Items	Questions	Yes/No	If answer is Yes, please describe the action plans.
1	EIA	Does the proposed project require official/legal process of EIA?	Yes	Already done.
2	Pollution Control (No need to answer if EIA is required)	Does the proposed project emit air pollutants?	No	
3		Does the proposed project discharge water pollutants or substances which influence BOD, COD or ph, etc.?	No	
4		Does the proposed project generate waste?	No	
5		Does the proposed project increase noise and/or vibration from the current level?	Yes	There is no serious effect. As a noise control measure, the following are described in Environmental Impact Management Compliance Strategy. -Posting announcements for all machine operators at the batching plant and stone crusher must use earplugs to prevent noise disturbances.
6		Does the proposed project cause ground subsidence?	No	
7		Does the proposed project cause odor?	No	
8	Safety and health	Does the proposed project create dangerous condition for local communities as well as individuals involved in the project, during either its construction or its operation?	No	
9	Natural Environment and biodiversity	Is the proposed project site located in protected areas designated by national laws or international treaties and conventions?	No	
10		Does the proposed project change land use of the community and protected habitats for endangered species designated by national laws or international treaties and conventions?	No	
11		Does the proposed project bring foreign species?	No	
12		Does the proposed project include construction activities considered to affect natural environment and biodiversity (e.g., noise, vibrations, turbid water, dust, exhaust gases, and wastes)?	Yes	As described in the EIA, impacts on natural environment and biodiversity were expected during construction and operation phase. Mitigation measures have been implemented during construction and in-service in accordance with the EIA.
13		Does the proposed project use surface water, ground water and/or deep ground water?	Yes	The project use surface water to generate electricity. Monitoring survey of surface water has been conducted, and the

				results show that the water quality is good.
14	Economy	Does the proposed project have negative impact on local workforce capacity?	No	During operation, the project has 20 local staffs.
15		Does the proposed project have negative impact on local community's welfare?	No	
16	Social Environment and Community Participation	Does the proposed project cause any resettlement or other types of conflict?	No	
17		Does the proposed project fail to involve activities to respond to, and follow up, comments and complaints that have been received from local communities, particularly from the public consultation?	Yes	Heavy rains in October 2018 caused a slope collapse on a public road. Slope restoration work was carried out by the project in order to bring in equipment for construction and prevent water pollution. Although there have been complaints from local residents who are dissatisfied with the construction, a settlement has been reached through consultations.
18		Do the project participants violate any laws and/or ordinances associated with the working conditions of local communities which the project participants should observe in the project?	No	
19	Technology	Does the proposed project fail to involve activities to build capacity of human resources through technology transfer and technical assistance?	No	This project involves activities to build capacity of human resource development for local staff through operation and maintenance of mini hydro power plant. It is also transferring technology through the sharing of information on maintenance of mini hydro power plant. Local staffs of 16 operators, 2 maintenance and 2 supervisors work on the project site. The project has prepared the training programs such as : on the job training for operator on the operated plant, maintenance, and trouble shooting, etc.
20		Does the proposed project fail to describe information of technology specification that consists of manual book and ways to overcome the problems that may occur when being operated on the site, at least in English and in Bahasa Indonesia as applicable?	No	The project has prepared manual of operation standard in Bahasa Indonesia. Also, the project has prepared the all Operation and Maintenance Procedures in Bahasa Indonesia.

References

10MW Mini Hydro Power Plant Project in North Sumatra Environmental Assessment Report
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Revision history of SDIP		
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Version	Date	Contents revised
01.0	5/2/2021	First edition
	<u>22/2/2021</u>	<u>Positively reviewed by the secretariat</u>