

JCM Sustainable Development Implementation Plan Form

A. Project description

A.1. Title of the JCM project

Energy saving through introduction of Regenerative Burners for aluminum holding furnaces of the automotive components manufacture in the Republic of Indonesia

A.2. Contact information

Name of the focal point entity (ies):	Toyotsu Machinery Corporation
Name of authorized signatory	Mr. <input checked="" type="checkbox"/> Ms. <input type="checkbox"/>
Last name: KAZUHIRO	First name: WATANABE
Title: General Manager, Hamamatsu Machinery Department	

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?	No	
2	Pollution Control (No need to answer if EIA is required)	Does the proposed project emit air pollutants?	Yes	The proposed project emits air pollutants such as nitrogen oxide, but since aluminum holding furnaces are sub-ones for aluminum melting furnace, aluminum holding ones are not regulated in terms of controlling air pollution such as NOx. The regenerative burner can reduce the amount of natural gas used, leading to reduce emissions for exhaust gas and air pollutants. Then, based on the PROPER program, YPMI has managed the atmosphere at a fixed point in the factory by analysis in their licensed laboratory one a half year. According to the PROPER program makes Indonesian companies grading in terms of environmental measures in the order of black → red → blue → green → gold. YPMI is currently situated on blue.
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?	Yes	The proposed project generates waste such as replaced burners and consumed heat-absorbing material (ceramic reservoir), but they are disposed in line with the relevant Indonesian regulations. Regenerative Burners and ceramic balls installed by JCM project have never been discarded. YPMI has a plan to ask a licensed disposal company for disposing of them.
5		Does the proposed project increase noise and/or vibration from the current level?	No	
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	No	

		project, during either its construction or its operation?		
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)?	No	
13		Does the proposed project use surface water, ground water and/or deep ground water?	No	
14	Economy	Does the proposed project have negative impact on local workforce capacity?	No	
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?	No	
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	
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	Yes	Information of technology specification is described in English and Japanese. All the persons involved in the proposed project are trained to be able to operate the project machinery with information in English.

		Bahasa Indonesia as applicable?		
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References

Revision history of SDIP		
Version	Date	Contents revised
01.0	13/02/2017	First Edition
	<u>08/03/2017</u>	<u>Positively reviewed by the secretariat</u>
01.1	01/04/2019	Change of Representative Person
01.2	20/02/2020	Revisions to: Change the description of the action plan in No2 & No4