

## JCM Sustainable Development Implementation Plan Form

### A. Project description

#### A.1. Title of the JCM project

Introduction of CNG-Diesel Hybrid Equipment to Public Bus in Semarang
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#### A.2. Contact information

Name of the focal point entity (ies):	Hokusan Co., Ltd.
Name of authorized signatory	Mr. <input checked="" type="checkbox"/> Ms. <input type="checkbox"/>
Last name: Wakaki	First name: Yosuke
Title: Director	

## 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	CNG emits NOx 60% less than diesel oil. CNG is consumed to substitute diesel oil in this project, which leads to less NOx emissions. In addition, buses are tuned for proper multi-fuel combustion to achieve less NOx emissions.
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?	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 project, during either its construction or its operation?	Bo	
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	No	

		workforce capacity?		
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 Bahasa Indonesia as applicable?	No	

References

Revision history of SDIP		
Version	Date	Contents revised
1.0	11/01/2023	First edition
	<u>6/2/2023</u>	<u>Positively reviewed by the secretariat</u>