

**JCM Sustainable Development Implementation Report Form****A. Project description**

## A.1. Title of the JCM project

Power generation by waste heat recovery in the PT Semen Indonesia (Persero) Tbk factory in Tuban
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## A.2. General information of project

Reference Number	ID013
Registration date	10/07/2018
Monitoring period	1/7/2018-31/12/2018

## B. Contribution to Sustainable Development

### B.1 Check list for contribution to SD

No.	Items		Not identified	Identified	If “Identified” is checked in the box, please describe the corrective actions
1	EIA	Project is included in the EIA reporting to the Government of Indonesia	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No.188.45/158/KPTS/414.012/2015
2	Pollution Control	Occurrence of pollution in ambient air quality	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3		Occurrence of pollution in water quality	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4		Occurrence of waste generation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5		Occurrence of noise and/or vibration	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Proper noise control measures, especially for the turbine generator, have been implemented as the turbine is installed indoor place to cut possible noise influence to outside.
6		Occurrence of ground subsidence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7		Occurrence of ambient odor	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8	Safety and health	Occurrence of accident or occupational accident	<input type="checkbox"/>	<input checked="" type="checkbox"/>	While the system installation, enough explanations had been implemented to the local communities and preventive measures are already prepared. For the operator (PT Semen Indonesia (Persero) Tbk), training manuals and safety instructions are prepared.
9	Natural Environment and biodiversity	Change of protected area condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
10		Change of land use change and ecosystem condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11		Introduction of foreign species	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12		Environmental impact during construction	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13		Use of surface water, ground water and/or deep ground water	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Surface water (pond water) is used in the project. The pond is well managed and well protected.
14	Economy	Decrease in local workforce capacity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
15		Declination of local community welfare	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
16	Social Environment and Community Participation	Occurrence of resettlement or conflict	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
17		Failure to follow up comments and complaints successfully	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

18		Violation of regulatory working condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
19	Technology	Failure to build human and institutional capacity by technology transfer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
20		Failure to provide technology specification and manual book at least in English and in Bahasa Indonesia as applicable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

**References**

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**Revision history of SDIR**

Version	Date	Contents revised
1.0	11/02/2019	First edition

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Monitoring period	01/01/2019-31/12/2020

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17		Failure to follow up comments and complaints	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

	Participation	successfully			
18		Violation of regulatory working condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
19	Technology	Failure to build human and institutional capacity by technology transfer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
20		Failure to provide technology specification and manual book at least in English and in Bahasa Indonesia as applicable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

References

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Version	Date	Contents revised
1.0	11/12/2024	First edition