

## Wayang Windu Unit 2 CDM Program

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### **Abstract**

This paper describes Wayang Windu team experience to manage CDM monitoring process in line with the requirement of field personnel and validation purpose. Clean Development Mechanism (CDM) is one of the incentive for renewable energy developer including geothermal energy. CDM process is strictly following standard rule starting from CDM registration process by applicant, verification and validation process by auditor as required till process of approval as CDM project. Wayang Windu (WW) Unit-1 is not registered as CDM project because WW Unit 1 was developed and commissioned in 2000 before CDM program existed. With the opportunity of CDM incentive, WW Unit 2 was registered as CDM project. The process was started from WW Phase 2 Geothermal Power Construction Project which was the construction project of 117 MW geothermal power station. This project constructed and installed WW Power Plant Unit 2 as additional new unit added to an existing grid started in 2007 and commissioned in 2009. This project installed steam gathering system from various well pads which had interface connection with Unit-1 steam supply so both units are possible to be operated by using other wells units. With this condition, selected position of metering system is really essential to verify the accurate data for CDM verification purpose. WW CDM project development process involved field personnel from the beginning phase of CDM project registration. The team was consisting of multi discipline team which should consistently follow the process and put high commitment to support WW Unit 2 validation process during verification by UNFCCC official parties. Since 2 Dec 2010, WW Unit 2 had been certified for five times and achieved 2,933,000 TCO<sub>2e</sub>, and in status awaiting issuance request periode 1 Jan 2015 – 1 Dec 2017 with Certified Emission Reduction (CER) estimation 1,678,445 TCO<sub>2e</sub>. Currently, renewal CDM credit for 2 Dec 2017 until 1 Dec 2024 is on progress.