Article 6.4 Mechanism
Prior consideration notification form for projects
(V01.0)

Project Title:	GEAAI Biomass Power Project
Names of the activity participants:	Ecoeye Co., Ltd / Global Earth Agro & Aqua Industry Public Co., Limited
Host party:	Myanmar
Precise geographical location (Full address or GPS coordinates):	16° 47' 42.07524" and 95° 19' 29.83692"
A brief description of the technologies or measures to be deployed:	Global Earth Agro & Aqua Industry Public Co., Limited (GEAAI) is developing an integrated fish-based food industry synchronizing project in Pantanaw Township in Ayeyarwady Region. In line with its mission to promote green and clean energy, the company has decided to set up biomass based captive power plant with a capacity of 12 MW (24 units of 500 kW) to generate its own electricity. This biomass captive power plant will reduce and/or replace the use of diesel generators, a carbon intensive source to generate electricity, hence saving tonnes of fossil fuel and carbon emissions associated with it. The basic principle of rice husk biomass gasification power generation system (abbreviated as BGPS) is to convert rice husks and/or rice hull into combustible gas. It is then used as fuel in gas engines to generate electricity. Biomass gasification successfully conquers the disadvantages of rice husk biomass, such as low flammability and wide diversity. Biomass gasification system is characteristic of small land requirement and environment friendly. It's one of the most effective way of biomass utilization. The biomass (rice husk) gasification process includes three steps. The first step is biomass gasification, which converts rice husks into syngas. The second step is syngas purification. The producer gas coming from gasifier usually contains contaminants including dust, coke, tar etc. The contaminants will be removed by the purification system to ensure normal operation of the gas engine. The third step is power generating in a gas engine. The high temperature exhaust gas may be reused by waste heat boiler to generate steam or hot water for civil or industrial use).

The Article 6.4 mechanism methodology to be applied (if already known):	Not known
The actual or planned start date of the activity:	01 Jan 2023
The type of the crediting period:	Fixed
Start date of the crediting period:	01 Aug 2024
The approximate amount of GHG emission reductions or net GHG removals expected to be achieved by the project on average:	107,458 tCO2eq per year