



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

Project Title:	Barutçuoğlu Landfill Gas to Electricity Power Plant
Names of the activity participants:	Barutçuoğlu İnşaat Sanayi ve Ticaret Limited Şirketi
Host party:	Türkyie
Precise geographical location (Full address or GPS coordinates):	41°08'53"N 32°38'32"E
A brief description of the technologies or measures to be deployed:	<p>The project activity includes capture and utilization of landfill gas (landfill gas (LFG) contains approximately 50% methane and is a potent greenhouse gas (GHG)) for power generation, that would have been vented to the atmosphere in the pre-project/business as usual scenario. The landfill site is estimated to receive around 126 thousand tons of municipal solid waste (MSW) annually during 2021 followed by annual increment in receipt of waste quantity and is expected to reach around 152 thousand tons by the end of first crediting period (2028). About 59.58% of this waste consists of organic materials such as pulp, paper and cardboard, and food waste. The technology measures deployed under the project activity includes covering of landfill area, landfill gas capture unit, and gas engine. Gas engine with an installed capacity of 2.906 MWm/2.828 MWe1 utilises collected landfill gas for power generation. Electricity generated is fed to the National Grid of Turkey. The electricity generating unit was commissioned on May 26th, 2021 and is regarded as the project start date.</p>
The Article 6.4 mechanism methodology to be applied (if already known):	Not known
The actual or planned start date of the activity:	26 May 2021
The type of the crediting period:	Renewable
Start date of the crediting period:	26 May 2021
The approximate amount of GHG emission reductions or net GHG removals expected to be achieved by the project on average:	16,126 tCO ₂ eq per year