



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

Project Title:	Karaman Landfill Gas to Electricity Project
Names of the activity participants:	FMH Enerji Ticaret Limited Şirketi
Host party:	Türkyie
Precise geographical location (Full address or GPS coordinates):	Turkey, Karaman, Merkez District longitude of 33°18'14"E and latitude of 37°10'55"N
A brief description of the technologies or measures to be deployed:	The project activity includes capture and utilization of landfill gas (Landfill gas contains approximately 50-55% methane and is a potent greenhouse gas (GHG)) for power generation, that was vented to the atmosphere in the pre-project scenario. It is estimated that the landfill has received approximately 184 tons (average) of municipal solid waste (MSW) daily since 2012 until end of 2021 and 224 tons (average) of MSW per day during the first crediting period (2022-2028). About 52% of this waste consists of organic materials such as pulp, paper and cardboard (8.85%), wood and wood products (1.06%), garden waste (4.58%) and food waste (38.39%) ¹ . The project activity includes landfill gas capture unit and Landfill gas-based Electricity Generating Plant with an installed capacity of 3.612 MWe. The electricity generating unit was commissioned on 01-January-2022. Commercial electricity generation started as on 01-January-20223 and is regarded as the project start date. The electricity generated from the project activity is fed to the National Grid of Turkey.
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 2022
The type of the crediting period:	Renewable
Start date of the crediting period:	01 Jan 2022
The approximate amount of GHG emission reductions or net GHG removals expected to be achieved by the project on average:	22,042 tCO ₂ eq per year

