

<p>Project Title: Integrated environment project</p>	<p>Country: Jordan Municipality: Greater Maan</p>	<p>Funds requested: 2,740,000 JOD</p>
<p>Direct/Indirect Beneficiaries</p> <div style="border: 1px solid black; padding: 5px;"> <p>Local communities Municipality Job seekers</p> </div>	<p>Target Area:</p> <div style="border: 1px solid black; padding: 5px;"> <p>Maan City</p> </div>	
<p>GOALS:</p> <ol style="list-style-type: none"> 1. Reducing CO₂ emissions from the transportation sector. 2. Reducing transportation costs. 3. Conserving water and limiting its use. 4. Providing job opportunities. 5. Increasing tree cover. 		

SITUATION AND PROBLEM IDENTIFICATION

1. The CO₂ emissions from the solid waste transportation vehicles are very high as the municipality consumes daily from (90 – 100) tons of solid waste.
2. Solid waste landfill: this keeps the solid waste buried under ground and this may affect on the underground water and pollute it and it in turn increases the CO₂ emissions.
3. Scarcity of agricultural projects within Maan municipality borders taking into consideration that the available empty agricultural areas are very large.
4. The CO₂ emissions from the transportation sector are very high as there are 22,731 vehicles crossing inside Maan municipality borders, 26% of them are trucks.

TARGETED AREA AND BENEFICIARIES

Maan, Jordan

Local communities and municipality.

METHODOLOGY

1. Installing an electric car charging station in the new municipality building and another station in the transport station for buses and cars, as there are photovoltaic electric power generation stations in both locations.
2. Purchasing electric powered cars and using them for waste collection and transportation, as the municipality suffers from a high fuel bill and high maintenance costs because most of the existing vehicles are old.
3. Establishing a car wash water recycling and filtering station to reduce the amount of water consumed in washing waste collection vehicles, which is required to be washed on a daily basis to reduce infection. Through the establishment of the Jordanian Moringa station, where the project will be implemented on a piece of land in the possession of the municipality with an area of 5000 m², in which already there is an artesian well and a solar power station.
4. Installing four greenhouses will be established for the purpose of seedling Moringa.
5. An irrigation network will be established on the remaining area for the cultivation of wild Moringa seedlings.
6. Also, a laboratory equipped with the necessary equipment will be established for the purposes of extracting organic fertilizer, producing oil, and preparing moringa powder.



EXPECTED RESULTS

1. Reducing CO₂ emissions from the transportation sector in Maan municipality.
2. Reducing transportation costs.
3. Waste recycling for reuse.
4. Increasing job opportunities.
5. Increasing planting trees.

FEASIBILITY STUDY

Project component	Estimated cost
Electric cars charging stations (6 units)	45,000
Solid waste transportation vehicles	900,000
Water treatment for car wash, municipality building & gardens	190,000
Rehabilitation of solid waste sorting plant	750,000
Treatment plant of used oils	250,000
Green houses and modern irrigation systems	200,000
Total cost	2,740,000