

Project : “Energy recovery from olive waste in Fez-Meknès Region”

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Empowering Direct Access

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INTRODUCTION OF PROJECT

Project information

- Duration : Project implementation lifespan : 4 years (Start: January 2018 End: November 2022) Benefit stream : 15 years
- Project size : Small ($10 < x \leq 50$) ☒ (USD 57,6 Million) Mitigation ☒
- Executing Entity : DRA de Fès-Meknes,
- Beneficiary: GIE, Producers of the olive-producing area of the Meknes-Fez region.

IMPACT

- Project “energy recovery of olive waste” is an innovative, sustainable and structural solution as far as waste will be inputs for energy recovery.
- The project will contribute to the preservation of the environment and the groundwater, to the development of energy from biomass and will facilitate the development of a resilient olive growing program.
- Around 187,000 tons of margin and olive-pomace into the production basins of the area targeted by the project will be recovery to biomass energy.
- Directs impact : Total Teq Co2 sequestration : 210 000 T CO2 Eq only from Electricity and 16 000 directs beneficiaries ;
- Scalling-up of project : is a pilot project at the national level and its replicability is feasible in other olive-growing basins distributed throughout the national territory.

SUSTAINIABILITY

- The project will facilitate the implementation of the law on energy in Morocco -Law 13-09, particularly for the production of energy from biomass and will therefore open the way to other forms of recovery and facilitate the implementation of Law on Renewable Energy.
- The project will both produce energy from olive residue, and change the way in which agricultural waste is recycled and, thus, will boost the economic and social development of rural populations.
- The project also strengthens the stakeholders' capacities in terms of waste recovery and clean energy production.
- Need of recipients :
 - To date, the lack of knowledge on valorization due to the absence of pilot experiment forces the institutions to be more conservative as to the method of valorization of the pomace on the national scale.
 - To date, no project for the recovery of biomass energy from olive-pomace has received regular financing.

INTRODUCTION OF PROJECT

	Year 1				Year 2				Year 3				Year 4			
Component /activities	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Component 1: Installation of olive pomace and margine Collect units																
Activity 1.1. : Installations of collects centers																
Activity 1.2. : contractualisation of GIEs for the recovery of olive oil																
Activity 1.3. : Equipment and equipment purchases of collect units																
Component 2: Establishment of the biomass recovery unit Energy from olive waste																
Activity 2.1. : Technical studies of the biomass recorerly unit																
Activity 2.2. : Construction and equipment of the biomass energy recovery unit																
Activity 2.3. : Institutional Arrangements and Connection to the Electric System																
Activity 2.4. : Purchase of means of transport																
Component 3: Project Technical Assistance																
Activity 3.1. : Technical assistance to follow up on the establishment of the unit																
Activity 3.2. : Technical assistance to beneficiaries																
Activity 3.3. : Institutional capacity building																

INTRODUCTION OF PROJECT

Steering committee: The steering committee will be composed of the various partner institutions in the project (ADA, DRA, Region, ONCA, ONEE, Ministry of Energy, Ministry of Agriculture.). The steering committee will have the role of validating the project planning on an annual basis and periodically monitoring the progress of the activities. The Committee shall meet quarterly and if necessary at the request of the Entity of Implementation or the Accredited Entity.

The Fes-Meknes Region

to facilitate the establishment of the olive-pomace collection centers and the recovery unit. The region will also facilitate the setting up of a convention for the injection of electricity produced on the city's network.

INTERPROLIVE

Will be in relation with the DRA and ONCA to coordinate with the GIEs and the beneficiaries on the mobilization of the land, signing of a convention for the supply of olive pomace and for the valuation unit.

GCF

ADA

- ACCREDITED ENTITY
- will have the role of supervising and monitoring the implementation of the project. Through the Directorate of Project Management at the ADA.

DRA of Fes-Meknes

Executing entity responsible for the implementation of the project.

Project Management Unit - PMU:
It will be responsible for planning the project activities and will be composed of a PMU Director and a multidisciplinary team to facilitate the implementation of the project according to the required standards.

Technical Committee:
this committee is composed of representatives of entities locally in addition to ONCA, INTERPROLIVE, GIE, ONEE.
It is responsible for monitoring the implementation of the project at the local level. In addition to the companies and firms selected for the implementation of the project components. This committee meets monthly and if necessary at the request of its members or the request of the steering committee.

AND

- National authority designed

ONCA

It will be responsible for the support at the level of the territory on the implementation and the contact with the beneficiaries..

ONEE Branch Electricity

Will have the role of facilitating the implementation of the connection of the Energy production unit and the injection of the Electricity produced in the national network.

INTRODUCTION OF PROJECT

For the implementation of project activities, different contracts will be established :

- Contract of consultant for the technical assistance of the project: a call for tender will be launched to select a firm specialized in the technical assistance of the project and the setting up of the unit of energy recovery. An international call for tender will be launched to select the firm that has similar references in terms of study and monitoring of the work of the energy recovery unit.
- Contract with a partner design office and architect's office for: design studies of the collect unit, technical feasibility of the project, choice of technology.
- Contract with construction company for the installation of the collection basins provided for in component 1
- Contract with the construction company for the installation of the energy recovery unit. An international call for tender will be launched for the selection of the company specializing in the construction and installation of energy production units from olive pomace.
- Contract for the purchase of the adapted equipment and technology: a call for tender will be launched after having carried out the studies for the choice of the technology and the supplier of the production equipment of the Energy.
- Contract for the purchase of rolling stock and transport: an invitation to tender will be issued for the purchase of rolling stock and spare parts for the collection of olive-pomace.

FUNDING PROPOSAL DEVELOPMENT PROCESS

Suggest to provide below information:

1- process to discuss project idea with NDA and national stakeholders :

The project has been approved by the NDA, an no-objection letter was provided

2- process to develop project, including choosing EE/delivery partners, need for PPF :

- The prefeasibility of the project realized.
- the Regional Directorate of Agriculture and ADA are developing the feasibility of the project, Environmental and Social Impact Assessment, funding proposal and others relevant documents.

3- main difficulties encountered related to the FP requirements : *No difficult encountered relating the FP requirements until now*

4- **interaction between entity and GCF :**

KEY CHALLENGES

Suggest to provide below information:

- What are your key challenges so far?
- To identify the Implementing entity after completion of the project
- What kind of assistance or guidance do you need?
 - To have a strong committee to help us on the CGF Criteria ,