

**SECTION A. General description of the small-scale project activity****A.1. Title of the small-scale project activity:**

Taraila Small Hydroelectric Project of Ginni Global Ltd.

A.2. Description of the small-scale project activity:

The Taraila project is run-of-the river small hydroelectric project (project activity), without involving storage of water, located on Taraila *Nallah*, a tributary of Baira *Nallah* in district Chamba, Himachal Pradesh. The project will have an installed capacity of 5.0 MW. The project activity would generate electricity and sell it to the state grid, Himachal Pradesh State Electricity Board (HPSEB) through Power Purchase Agreement (PPA) contract.

The purpose of the project activity is to generate electricity by using the renewable hydraulic resources to meet the ever-increasing demand for energy in the region. The development of the project activity would reduce the Green House Gas (GHG) emissions produced by the regional grid generation mix, which is mainly dominated by fossil fuel based power plants.¹

Ginni Global Limited (GGL), which is the owner of the project activity believes that the project activity has the potential to shape the economic, environmental and social life of the people in the region. The project activity is likely to have beneficial effect on agriculture, rural industries and employment in the region. Government of India has stipulated the following indicators for sustainable development in the interim approval guidelines² for CDM projects.

- Social well being
- Economic well being
- Environmental well being
- Technological well being



Social well being:

- Since, the project activity is in a rural area, it would lead to the development of the region. It would significantly improve the conditions of the roads connecting site and nearby villages to existing roads.
- Employment opportunities would be generated for the local people, both during construction and operation phases.

Economical well being:

- The project activity would generate employment in the local area. The project would create a business opportunity for local stakeholders such as suppliers, manufacturers, contractors etc.

Environmental well being:

- Since, the project uses renewable hydraulic resources for power generation, it does not lead to any emissions in the environment.
- The project activity is a step towards environmental sustainability by saving exploitation and depletion of a natural, finite and non-renewable resource like coal/gas.

Technological well being:

- The technology selected for the power project would use well established Francis type turbines.