

**Contribution of the project activity to sustainable development**

The Designated National Authority for India has identified the following attributes to measure the contribution of the project activity for sustainable development<sup>2</sup>:

- i) Social well being
- ii) Economical well being
- iii) Environmental well being
- iv) Technological well being

**i) Social well being**

The proposed project activity leads to social wellbeing by establishing direct and indirect benefits through employment generation and improved economic activities by strengthening of local grid of the state electricity utility. This includes improvement of electricity quality, frequency and availability as the electricity is fed into a deficit grid.

The construction work will generate employment for the local population. There will also be various kinds of mechanical work on the site, generating employment opportunities on a regular and permanent basis. The transportation of various project components to the final site during construction will also create work opportunities and an improvement in the population's income.

**ii) Economic well being**

Economic wellbeing refers to additional investment consistent with the needs of the local community. The project activity will create direct and indirect job opportunities to the local community during construction and shall provide permanent job opportunities during operation. During operation of the project activity, local people would be employed directly, apart from indirect employment. These activities will contribute to the economic wellbeing of the local community.

**iii) Environmental well being**

The project utilizes hydro energy for generating electricity which otherwise would have been generated through alternate fuels based power plants, contributing to reduction in specific emissions (emissions of pollutant/unit of energy generated) including GHG emissions. Being a renewable resource, using hydel energy to generate electricity contributes to resource conservation. Thus the project causes no negative impact on the surrounding environment thereby contributing to environmental wellbeing.

As hydel power projects produce no end products in the form of solid waste (ash etc.), the project contributes in bringing environmental sustainability.

Also being a renewable resource, using hydel energy to generate electricity, contributes to resource conservation.

**iv) Technological well being**

The project activity consists of the power generation through eco-friendly resource of energy i.e. Hydro, which is a well safe and proven technology.

In view of the above, the proposed project activity strongly contributes to the sustainable development.