

Project's contribution to Sustainable Development

The contributions of project activity towards sustainable development are explained with indicators like contributions to socio-economic, environmental and technological aspects as follows:

1. Social well being:

The project activity would contribute towards the local employment by employing skilled and un-skilled personnel for operation and maintenance of the equipment. The plant site is an isolated rural area where unemployment, poverty and other economic backwardness is prevailing; the project would lead to the development of the region. During civil works, a lot of construction work is to be taken place, which will generate employment for local people around the plant site. This will result in the enhanced employment of the people.

2. Economic well being:

The project will create a business opportunity during construction phase for local stakeholders such as suppliers, contractors, bankers etc., contributing to economic well-being aspects. It also generates employment in the local area, leading to the economic prosperity of the local people. The project will also provide economic value to biomass, agricultural biomass etc. The above benefits due to project activity ensure that the project would contribute to the economic well being in the region.

3. Environmental well being:

The project activity will displace use of fossil fuel based power by renewable energy (biomass based power) and thereby result in reduction of greenhouse gas (GHG) emissions. It will also lead to conservation of coal and other non-renewable natural resources. A biomass based cogeneration plant also helps in avoiding the SO_x and NO_x emissions which would have been emitted in case of a fossil fuel fired cogeneration system.

4. Technological well being:

The project activity utilizes biomass as fuel instead of a fossil fuel to generate steam and electricity for the captive consumption. The project activity is expected to increase awareness and interest among the industry players to make investments in similar areas. The project activity is also expected to encourage technology providers in putting more R&D efforts towards new and renewable technology development. Thus, the project activity utilizes environmentally safe technology for meeting the power and process steam requirements at the unit.