arranges skilled technical personnel for the task. When Tangcun HPP is put into operation, due to water diversion from Yungang river to Tangcun HPP, water flow to existing HPPs will be reduced remarkably, as a result , the electricity generated by existing HPPs will be reduced to about 3580MWh/a.

The hydro electricity generated by the proposed project will be connected to Hongqiao 110 kV transform station, interconnected to East China Power Grid.

The proposed project will achieve CO_2 emission reduction by replacing electricity generated by fossil fuel dominated East China Power Grid. The proposed project is estimated to reduce 28,167 tones CO_2 emission annually.

The proposed project will not only supply renewable electricity to grid, but also contribute to sustainable development of the local community by means of:

- Increasing electricity supply, improve power generation mix;
- Stimulating economy development of local area;
- Reducing the emission of other pollutants resulting from the coal fired power generation in China, compared to a business-as-usual scenario;
- Creating 26 permanent employment opportunities and a great deal of short-term employment opportunities for local people during the Project construction and operation period.

A.2. Location of project activity

A.2.1. Host Party

>>
People's Republic of China

A.2.2. Region/State/Province etc.

>>
Zhejiang Province

A.2.3. City/Town/Community etc.

>>
Chun'an County, Hangzhou City

A.2.4. Physical/Geographical location

>>
The proposed project is located in Chun'an County, Hangzhou City, Zhejiang Province of China. The geographic coordinates of key relevant hydropower plants and substation are shown in Table 2. The detailed location of the proposed project is shown in Figure 1 and Figure 2.

Tangcun HPP is the project activity. It will substitute equivalent electricity generation in East China Power Grid, so as to achieve GHG emission reduction. Meanwhile Tangcun HPP will divert certain amount of water previously supplied to Yungang cascade HPPs (Yungang I, II and III HPPs), and reduce electricity generated by existing HPPs at Yungangxi River, so as to reduce the clean electricity by the existing HPPs to the East China Power Grid, which will result in the increased emission of GHG. Due the water diversion from Yungangxi River, the reduction of electricity generation by the three existing HPPs is fully caused by Tangcun HPP project activity, and the reduced electricity generation can be adjusted by the project owner, the reduced electricity can not be ignored and is measurable. Therefore,