

**Tung Wah Group of Hospitals
Moving Towards a Green Organization
Temple Smoke Reduction System**

Project Reference	ECF-TWGH-02
Project Title	Tung Wah Group of Hospitals (TWGH) – Moving Towards a Green Organization - Temple Smoke Reduction System
Applicant Organization	Tung Wah Group of Hospitals
Project summary	<p>This project is part of TWGH’s three-year programme of “Moving Towards a Green NGO”. This project is for vetting by the ECF Committee.</p> <p>TWGH is committed to pursuing a total environmental concept in operating its medical, education and community services. With a view to achieving the green emission, TWGH has proposed to adopt green measures at a number of its temples as a demonstration of green practice by installing the temple smoke reduction systems at the temples.</p> <p>The current application will involve three temples, including Kwong Fuk Tsz in Sheung Wan, Hung Shing Temple in Wanchai and Hung Shing Temple in Tai Kok Tsui which are all managed and operated by TWGH. Details of the project are shown in the attached application form at Appendix A.</p> <p>Since the temples are graded historic buildings, TWGH has consulted the Antiquities and Monuments Office (AMO), which expressed that the proposed systems should not have adverse visual impact and should be compatible to the architectural style and features of the temples. To address this issue, TWGH will install an external enclosure structure for each of the smoke reduction system. Pictures demonstrating the different visual impacts of the smoke reduction system before and after the installation of the external enclosure structures are at Appendix B.</p> <p>With the implementation of the project, the public as well as students, service recipients and staff of TWGH who visit the temples can gain the opportunity to appreciate the idea that the state-of-the-art technology can be used to minimize smoke emission and hence environmental disturbance while the traditional activities involving joss paper burning can be sustained from the perspective of Chinese culture.</p>

Project Duration	<p>22 months</p> <ul style="list-style-type: none"> - Tendering stage: three months - Consultation stage: three months - Installation stage: four months - Monitoring stage: 12 months <p>(TWGH proposes to commence the project in June 2011.)</p>
Proposed Budget	<p>\$2,171,000</p> <p>(Detailed breakdown are at Appendix C)</p>
Assessments/Remarks	<p>At the ECFC meeting convened on 30 December 2008, approval-in-principle was granted for TWGH to install smoke reduction system in eight temples at an amount of \$2,500,000. Under the present proposal, TWGH will install three sets of the system in the three temples mentioned above at an estimated budget of \$2,171,000. The cost of each set of the smoke reduction system including the external enclosure structure (to ensure compatibility with the architecture style and features of the temple) ranges from \$630,000 to \$787,000. It is worth noting that the total cost of installation of the external enclosure structures is \$450,000.</p> <p>For the other temples covered in the original plan, one will be taken out as this temple has no joss paper burner. For the other four temples in Yau Ma Tei, namely Fook Tak Tsz, Shea Tan, Shing Wong Temple and Tin Hau Temple, design of the smoke reduction system is being explored.</p> <p>Should the proposed budget of the present proposal be approved, it leaves \$329,000 for the installation of the smoke reduction system in the remaining four temples. TWGH intends to redeploy surplus arising from those completed projects (about \$3.6M from the initiatives on green roof and enhancing energy efficiency) to fund the installation of the smoke reduction system for the group of temples in Yau Ma Tei as necessary.</p>
Advice Sought	<p>Members are invited to advise whether :-</p> <ul style="list-style-type: none"> (i) the subject application for ECF should be approved; and (ii) the redeployment of the surplus to cover the funding requirement of the installation at the four remaining temples in Yau Ma Tei should be supported in principle.