

**Pok Oi Hospital – Becoming a Green Charity Organization
Proposed Programme Revision and Further Extension of Greening Programme**

Project Title	Pok Oi Hospital (POH) – Becoming a Green Charity Organization
Recipient Organization	Pok Oi Hospital
Advice Sought	<p>Members are invited to advise whether POH’s following requests (detailed below) should be approved:</p> <p>(a). To implement new green initiatives and to cover the additional audit fee for its consultancy services through the deployment of surplus funds derived from other approved projects; and</p> <p>(b). To extend the duration of the greening programme by 6 months (counting from the approval date if the proposals at (a) above are approved).</p>
Programme Summary	<p>POH’s greening programme aims at turning itself into a green non-government organization (NGO) through the implementation of a series of green initiatives under a framework of seven strategies, viz., green governance and environmental management, energy and carbon reduction, waste management, water management, green purchasing, green education and promotion, and use of electric vehicles with zero emissions. The ECF Committee gave approval-in-principle for funding support (\$14.56 million) for the greening programme on 9 June 2011. At its meeting on 16 August 2012, the ECF Committee approved funding of \$2,000,000 for POH to engage an environmental consultant to oversee the overall implementation of the greening programme. With the appointment of the Waste and Environmental Technologies Limited as its consultant in December 2012, the programme was officially kicked off.</p>
Approved Programme Duration	42 months (From December 2012 to June 2016)
In-principle Approved Amount	\$14,556,130
Requests for Programme Extension and Revision	In December 2013, the ECF Committee approved POH’s requests for budget revision and reallocation with revised funding support at \$11,003,502 and an unused fund estimated at around \$3.5 million (as of December 2013), and extension of the overall greening programme by 6 months up to June

2016. The ECF Committee also agreed that POH could submit another proposal for new projects with the use of the unused fund for consideration of the ECF Committee separately, so as not to delay the implementation of projects contained in the approved proposal of December 2013.

POH recently reviewed the progress of projects and proposes to implement new green initiatives (with a proposed budget totalling \$4,480,400) through the deployment of surplus fund amounting to \$4,706,245, including the unspent balance derived from approved projects and the aforesaid unused fund. Details of the new initiatives are set out in Annex, a brief summary of which is provided below:

(a). Implementation of New Green Initiatives

(i). Retrofit Existing High Pressure Sodium Vapour Lamp Pole to Solar LED Lamp Pole

To enhance energy saving, POH proposes to retrofit all existing street lamps in Yeung Chun Pui Care and Attention Home to solar street light with LED lighting. The estimated budget for this item is \$405,000.

(ii). Smart Grid System

POH proposes to install smart metres which could monitor the energy consumption of the equipment and identify the energy improvement opportunities at three schools and service unit. The smart grid system can present historical information on electricity usage to facilitate energy consumption comparison and analysis. The estimated budget for these items is \$675,000.

(iii). Rainwater and Condensation Water Collection and Reuse System

The proposed installation of the system at POH's two schools is expected to bring environmental and economic benefits by reducing storm water runoff and conserving potable water. Water condensed during the operation of the air conditioners can also be recovered for reuse. The estimated budget for the system is \$130,000.

(iv). Sunlight Collectors

POH proposes to install sunlight collectors at one secondary school for demonstrating the use of natural light and how sunlight could be integrated into the design of a building with a view to achieving energy saving and carbon reduction. The estimated budget for this item is \$100,000.

(v). Wheelchair Accessible Mobile Garden

POH proposes to implement a wheelchair accessible mobile garden which is an adaptive and accessible garden for wheelchair users and the elderly. The garden will help absorb carbon dioxide and improve the environmental awareness of users of the service unit. The estimated budget for this item is \$50,000.

(vi). Solar Powered Air-conditioning System for Vehicle

POH proposes to install solar panel system and integrate it with the internal air conditioning system of two Chinese Mobile Clinic vehicles with a view to reducing fuel consumption. The vehicles installed with the system can also demonstrate to the general public the use of advanced green technology and help enhance their environmental awareness. The estimated budget for this item is \$500,000.

(vii). Vertical Organic Farm and Garden

POH proposes to install modular organic farm and garden at POH's five service units and schools to promote organic farming in the urban areas. The estimated budget for this item is \$700,000.

(viii). Green Education and Promotion Programme for POH's Kindergartens

POH proposes to implement green education and promotion programmes at its five kindergartens. The proposed environmental themes of the education programmes for the staff and students of the kindergartens will be energy conservation, water conservation and carbon emission reduction. The proposed education programme will not only benefit

	<p>relevant staff and students, but also help raise the environmental awareness of family members of the students. The estimated budget for this project is \$500,000.</p> <p>Apart from the above, POH also proposes to implement various green items, such as composter, green roof, solar garden light, solar control film, wall-mounted solar light, bicycle generator and hear shield coating for its service units and schools. The estimated budget involved is \$1,388,000.</p> <p>(b). <u>Additional Budget for Consultancy Services</u></p> <p>POH proposes to use surplus funds totalling \$32,400 to cover additional audit fee of the consultancy services due to the proposed extension of the greening programme.</p> <p>(c). <u>Extension of the Programme Duration</u></p> <p>To facilitate implementation of the proposed additional green projects above, POH would like to seek ECF Committee's approval for further extension of the greening programme and consultancy services for another 6 months (counting from the approval date) with no additional funding required.</p>
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**Secretariat, Environment and Conservation Fund Committee
January 2015**