

**Procurement Plan for the Demonstration of PCB Management and Disposal Project (P082993)**  
**Updated on Jan. 13, 2009**

**1. Goods, Works, and Non Consulting Services**

**47190**

Contract No.	Contract (Description)	Estimated GEF Grant (US\$)	Estimated Co-financing (US\$)	Procurement Method	Prequalification (yes/no)	Domestic Preference (yes/no)	Expected Bid-Opening Date	Actual contract amount/Actual expenditure	Comments
G-1	Equipment for Zhejiang PIU (including equipment for database)	98,000	0	Shopping	No	No	2Q 2009	N/A	multiple contracts may be awarded
G-2	Waste characterization and analysis unit	193,000	0	NCB	No	No	4Q 2008 □ Oct. 13, 2008 □	RMB 1,169,280 (equivalent to 172,000)	
G-3	Thermal Desorption Unit	3,100,000	640,000	ICB	No	No	4Q 2008 (Dec. 15, 2008)	N/A	
G-4	Printing services of 20,000 brochures	12,000	0	Shopping	No	No	4Q 2009	N/A	
W-1	Construction of storage facility for temporary PCB wastes in Zhejiang	919,000	0	NCB	No	No	2Q 2009	N/A	(400,000 has been moved to G-3)
W-2	Construction of PCB wastes storage facilities in Shenyang	0	0	NCB	No	No			USD 40,000 is allocated for EIA preparation Completed in late Nov. 2008
W-2-1	Construction	1,571,000	0	NCB	No	No	3Q 2008 (Aug. 8, 2008)	RMB 6,693,017	
W-2-2	Goods procurement		0	NCB	No	No	4Q 2008 (Dec. 12, 2008)	N/A	
NCS-1	Service for cleanup of PCB sites (56 sites),	3,029,000	1,520,000	Direct Contracting	No	No	4Q 2009	N/A	multiple contracts may be awarded

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	including site characterization			1					
NCS-2	Service for cleanup of low-contaminated PCB soils	2,389,000	1,296,000	Direct Contracting <sub>1</sub>	No	No	1Q 2010	N/A	multiple contracts may be awarded Zhejiang: 1,296,000 (USD 30,000 from local funding is allocated for EA preparation for the thermal desorption, and 640,000 allocated to TDU contract)
NCS-3	Service for disposal of highly contaminated PCB wastes	4,289,980	0	Direct Contracting <sub>2</sub>	No	No	1Q 2010	N/A	(160,000 has been W-2; 118,020 moved to Consultant service No. 23 and 24.) Multiple contracts may be awarded.
<b>Total</b>		<b>15,600,980</b>	<b>3,456,000</b>						

Notes:

- 1) Hangzhou Dadi Environment Co. would be directly contracted to carry out the services since it is the only firm in China who has the required facilities and been licensed (already on interim basis and in process for licensing be on long term basis) by the State Environment Protection Administration (SEPA) under relevant regulations for cleanup of PCB sites and low-contaminated PCB soils, and Bank team was advised by SEPA that it is not going to license more firms for PCB cleanup.
- 2) Shenyang Hazardous Waste Disposal Technical Center would be directly contracted to carry out the services since it possesses the facility for final disposal of PCB wastes, which would be the only facility of this kind available in China in the foreseeable future and solely licensed by SEPA for final PCB disposal.

## 2. Consulting Services

Ref. No.	Description of Assignment	Estimated GEF Grant (US\$)	Estimated Co-financing Grant (US\$)	Selection Method	Expected Proposals Submission Date	Actual contract amount/Actual expenditure	Comments
	<b>Workshops</b>	<b>353,000</b>	<b>0</b>				
1.	Inception workshop	40,000	0	To be disbursed against reasonable actual costs	4Q 2005 (Dec. 8, 2005)	RMB 295,785	
2.	Expert workshop for the project monitoring system	15,000	0		3Q 2006 (Aug. 14, 2006)	RMB 169,560	
3.	Progress review meetings (Three meetings, one meeting in each of year 2006, 2007, and 2008)	88,000	0		1Q 2009 3Q 2010 2Q 2011	N/A	
4.	National workshop for the project completion	54,000	0		4Q 2011	N/A	
5.	National workshop for the replication program	67,000	0		4Q 2010	N/A	
6.	International workshop for information dissemination	89,000	0		1Q 2011	N/A	
	<b>Training</b>	<b>444,000</b>	<b>0</b>				

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7.	Provincial training on PCB management and disposal	292,000	0	To be disbursed against reasonable actual costs	1)3Q 2006 (Aug. 14, 2006) 2)3Q 2007 (Apr. 3, 2007) 3) 2Q 2008 (May. 23, 2008) 4) 2Q 2007 (Apr. 10, 2007) to be continued in 2009	1. RMB 780,266; 2. RMB 552,690; 3. RMB 215,541.33 (USD 31,455); 4. RMB 233,300	Three organized by CIO: 1.Training workshop on PCBs Monitoring and Risk assessment RMB 780,266;2.PCBs storage and disposal workshop RMB 552,690; 3.Expert workshop on PCBs treatment and disposal RMB 215,541.33(USD 31,455); One organized by Zhejiang: 4.Training on PCB site monitoring for the monitoring staff RMB 233,300 (RMB 1,781,797.33 in all, appro. USD 30,000 left) .to be continued in 2009
8.	Project management training of PIU	19,000	0		1Q 2006	¥28,853.50	Completed <input type="checkbox"/> Dec <input type="checkbox"/> 2007 <input type="checkbox"/>
9.	Training for PCB storage and disposal in Shenyang	26,000	0		2Q 2009	N/A	
10.	Public education and dissemination on national TV channels and 10 national newspaper	107,000	0		4Q 2009	N/A	Multiple contracts may be awarded.
	<b>Study Tour</b>	<b>55,000</b>	<b>0</b>				
11.	Study tour for PCB waste disposal technologies	55,000	0	To be disbursed against reasonable actual costs	3Q 2009	N/A	
	<b>Consulting Firms</b>	<b>819,020</b>	<b>3,393,000</b>				

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12.	Feasibility Studies	68,000	0	CQS	TDU 4Q 2005(Oct. 21, 2005, USD 33,040), Transportation 4Q 2005 (Oct. 21, 2005, USD 34□440)	(USD 67,480)	Completed.
13.	Development of a pollution prevention/control regulation for PCBs in the Zhejiang Province	36,000	0	CQS	4Q 2007 (16 <sup>th</sup> Nov,07)	USD 35,784	Completed (16 <sup>th</sup> Sep. 2008)
14.	Development of an emergency plan for PCB wastes in Zhejiang	36,000	0	CQS	3Q 2008 (9th Jun. 2008)	□290,000.00	Completed (16 <sup>th</sup> Sep. 2008)
15.	PCB-MIS integration	24,000	0	CQS	3Q 2006□Aug. 10, 2006□	9,120 Euro	Completed by the end of 2007
16.	Zhejiang database development	42,000	0	CQS	3Q 2009	N/A	
17.	Development of a replication program for PCB management and disposal in China	80,000	3,000,000	CQS	3Q 2010	N/A	
18.	Monitoring of PCB sites after cleanup	285,000	363,000	QBS	4Q 2009-4Q 2010	N/A	GEF: 285,000 Zhejiang: 363,000 Multiple contracts will be awarded.
19.	EA preparation for storage facility for temporary PCB wastes in Zhejiang	40,000	0	CQS	4Q 2007 (Mar. 26, 2007)	USD 40,000	
20.	EA preparation for Shenyang PCB waste storage facility	40,000	0	CQS	2Q 2007 (Jan. 23, 2007)	USD 33,600	

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21.	EA for use of the mobile thermal desorption unit	0	30,000	CQS	3Q 2008(7 <sup>th</sup> Jul. 2008 (Expected to be completed on 1 <sup>st</sup> Mar. 2009)	□199,000.00	
22.	Preparation of Video programs for TV show	50,000	0	CQS	4Q 2009	N/A	Multiple contracts will be awarded.
23.	Design for PCB wastes storage facilities in Shenyang	65,310	0	CQS	4Q 2007 (Dec. 20, 2007)	RMB 470,000	
24.	Engineering supervision for PCB wastes storage facilities in Shenyang	52,710	0	CQS	3Q 2008 (Aug. 5, 2008)	RMB 358,000	
	<b>Individual Consultants</b>	<b>300,000</b>	<b>0</b>				
25.	International consultants participating the training workshops (including consultant fee and travel cost)	100,000	0	IC	3Q 2006 (Aug. 20-25, 2006) 100,000RMB, 4 EPA experts; 2Q 2007 (Apr. 19-21, 2007) 100,000RMB, 5 EPA experts; 2Q 2008 (May. 26-30, 2008) 75,000RMB, 2 EPA experts	RMB 275,000	Multiple contracts will be awarded.(For Workshop on PCB monitoring and management, Training; PCBs storage and disposal workshop ; Expert workshop on PCBs treatment and disposal respectively) To be continued in 2009
26.	Supervision of PCB site cleanup and soil cleanup	200,000	0	IC	4Q 2009	N/A	Multiple contracts will be awarded.
	<b>Others</b>	<b>468,000</b>	<b>60,000</b>				
27.	Operating cost of PIU	300,000	0	To be disbursed	N/A	N/A	To be continued in 2009

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28.	Operating cost of the project team in CIO/SEPA	168,000	60,000	following procedures acceptable to the Bank	N/A	N/A	To be continued in 2009
	<b>Contingency</b>	<b>300,000</b>	<b>0</b>				
29.	Contingency	300,000	0	To be disbursed following procedures acceptable to the Bank	2009	N/A	
	<b>Total</b>	<b>2,739,020</b>	<b>3,453,000</b>				

