

# China: Reduction and Phase-out of PFOS Project for China Procurement Plan (P152959)

## I. General

**1. Bank's approval Date of the procurement Plan**

**2. Date of General Procurement Notice:**

**3. Period covered by this procurement plan: 2018-2020**

## II. Goods, Works and Non-Consulting Services

**1. Prior Review Threshold:** Procurement Decisions subject to Prior Review by the Bank as stated in Appendix 1 to the Guidelines for Procurement:

### Thresholds for Procurement Methods and Bank Prior Review

Expenditure Category	Contract Value (US\$)	Procurement Method	Bank Prior Review
Goods	>=10 million	ICB	All contracts >= US\$ 4 million
	<10 million	NCB	
	<500k	Shopping	None
	NA	DC	All DC contracts >= US\$ 4 million
Works	>=40 million	ICB	All contracts >= US\$ 15 million
	<40 million	NCB	
	<500 k	Shopping	None
	NA	DC	All DC contracts >= US\$ 15 million
Notes:	ICB - International Competitive Bidding NCB - National Competitive Bidding DC - Direct Contracting NA - Not Applicable		

**2. Prequalification.** Bidders for \_\_\_\_\_ shall be prequalified in accordance with the provisions of paragraphs 2.9 and 2.10 of the Guidelines: Not applicable.

**3. Proposed Procedures for CDD Components (as per paragraph. 3.19 of the Guidelines):** Not applicable.

**4. Reference to (if any) Project Implementation Manual (PIM):** The National Implementing Agency (FECO) has prepared a project implementation manual including a procurement management manual for the project, which has been reviewed by the Bank.

**5. Any Other Special Procurement Arrangements:** Retroactive financing and advance contracting may be used under this project. The proposed retroactive financing is subject to the payments being made within 12 months of the signing date of the legal agreement.

## 6. Procurement Packages with Methods and Time Schedule

### III. Selection of Consultants

**1. Prior Review Threshold and Selection Method:** Selection decisions subject to Prior Review by Bank as stated in Appendix 1 to the Guidelines Selection and Employment of Consultants:

#### Thresholds for Selection Methods and Bank Prior Review

Consultant Services	>=300k	QCBS, QBS, FBS, LCS	Firms: All contracts >=USD 2 million; Firms: All SSS contracts >= USD 1 million; Individual Consultant: All contracts >=400 K; SSS for individual consultant: All contracts >=USD 400 K
	<300k	QCBS, QBS, FBS, LCS, CQS	
	NA	SSS	
	NA	IC	
Notes:	QCBS - Quality- and Cost-Based Selection QBS - Quality-Based Selection LCS-Least Cost Selection FBS-Fixed Budget Selection CQS - Selection Based on the Consultants' Qualifications SSS - Single (or Sole) -Source Selection IC - Individual Consultant selection procedure NA - Not Applicable		

**2. Short list comprising entirely of national consultants:** Short list of consultants for services, estimated to cost less than US\$500,000 equivalent per contract, may comprise entirely of national consultants in accordance with the provisions of paragraph 2.7 of the Consultant Guidelines.

**3. Any Other Special Selection Arrangements:** NA.

#### 4. Consultancy Assignments with Selection Methods and Time Schedule



**PROCUREMENT PLAN** China : Reduction and Phaseout of PFOS in Priority Sectors

**General Information**  
**Country:** China **Bank's Approval Date of the Original Procurement Plan:** 2018-05-18  
**Revised Plan Date(s):** (comma delineated, leave blank) 2024-02-28  
**Project ID:** P152959 **GPN Date:** 2019-01-28  
**Project Name:** Reduction and Phaseout of PFOS in Priority Sectors  
**Loan / Credit No.:** TF / A0351, TF / A4337  
**Executing Agency:** PFOS FECO

**WORKS**

Activity Reference No. / Description	Loan / Credit No.	Component	Review Type	Method	Market Approach	Procurement Process	Prequalification (Y/N)	High SEA/SH Risk	Procurement Document Type	Estimated Amount (US\$)	Actual Amount (US\$)	Process Status	Draft Pre-qualification Documents		Prequalification Evaluation Report		Draft Bidding Document / Justification		Specific Procurement Notice / Invitation		Bidding Documents Issued		Proposal Submission / Opening / Minutes		Bid Evaluation Report and Recommendation for Award		Signed Contract		Contract Completion
													Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	

**GOODS**

Activity Reference No. / Description	Loan / Credit No.	Component	Review Type	Method	Market Approach	Procurement Process	Prequalification (Y/N)	Estimated Amount (US\$)	Actual Amount (US\$)	Process Status	Draft Pre-qualification Documents		Prequalification Evaluation Report		Draft Bidding Document / Justification		Specific Procurement Notice / Invitation		Bidding Documents Issued		Proposal Submission / Opening / Minutes		Bid Evaluation Report and Recommendation for Award		Signed Contract		Contract Completion	
											Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual		Planned
FECO-G3 / Five laptops for project management staffs	TF / A4337	Component 4: Project Management	Post	Request for Quotations	Limited	Single Stage - One Envelope		15,000.00	3,768.45	Signed								2019-07-05	2018-06-25							2019-08-30	2018-07-29	2020-02-26
FECO-G1 / Alternative pesticides procuring for demonstration sites use	TF / A4337	Component 2: Reduction of PFOS Use	Post	Request for Quotations	Limited	Single Stage - One Envelope		120,000.00	83,277.37	Signed								2019-06-30	2019-02-18							2019-08-25	2019-05-22	2020-02-21
FECO-G4-1 / One printer for daily printing documents	TF / A4337	Component 4: Project Management	Post	Request for Quotations	Limited	Single Stage - One Envelope		2,000.00	1,944.10	Signed								2020-05-05	2019-07-22							2020-06-30	2019-09-17	2020-12-27
FECO-G2 / select one agency to provide tracing and management hardware system for PFOS in firefighting sector	TF / A4337	Component 2: Reduction of PFOS Use	Post	Request for Quotations	Limited	Single Stage - One Envelope		450,000.00	403,693.89	Signed								2020-07-10	2020-09-24							2020-09-20	2020-12-03	2021-03-19
FECO-G4-2 / It is planned to purchase 2 printers for daily printing documents	TF / A4337	Component 4: Project Management	Post	Request for Quotations	Limited	Single Stage - One Envelope		15,000.00	7,014.51	Signed								2020-07-15	2020-07-27							2020-09-09	2020-09-01	2021-03-08

**NON CONSULTING SERVICES**

Activity Reference No. / Description	Loan / Credit No.	Component	Review Type	Method	Market Approach	Procurement Process	Prequalification (Y/N)	Estimated Amount (US\$)	Actual Amount (US\$)	Process Status	Draft Pre-qualification Documents		Prequalification Evaluation Report		Draft Bidding Document / Justification		Specific Procurement Notice / Invitation		Bidding Documents Issued		Proposal Submission / Opening / Minutes		Bid Evaluation Report and Recommendation for Award		Signed Contract		Contract Completion
											Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	

**CONSULTING FIRMS**

Activity Reference No. / Description	Loan / Credit No.	Component	Review Type	Method	Market Approach	Contract Type	Estimated Amount (US\$)	Actual Amount (US\$)	Process Status	Terms of Reference		Expression of Interest Notice		Short List and Draft Request for Proposals		Request for Proposals as Issued		Opening of Technical Proposals / Minutes		Evaluation of Technical Proposal		Combined Evaluation Report and Draft Negotiated Contract		Signed Contract		Contract Completion		
										Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual			
CS-1 / Develop Sector Plans in Priority Sectors	TF / A0351	Component 1: PFOS Production Reduction	Prior	Consultant Qualification Selection	Open - International		120,000.00	118,053.53	Signed														2015-11-09	2015-12-12				
FECO-CS10 / Environmental monitoring of PFOS production enterprises in Fujian, in order to evaluate the performance of Fujian's elimination work.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National		200,000.00	0.00	Canceled	2018-10-31	2019-06-25	2018-11-21		2019-01-11									2019-02-10	2019-03-17	2022-06-30			
FECO-CS8 / Alternative Pesticides screening for RIFA control	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National		275,000.00	267,411.19	Signed	2019-06-23	2019-07-31	2019-07-14	2020-05-07	2019-08-07	2020-01-02								2019-09-06	2019-12-25	2019-10-11	2020-05-10	2020-04-08	
FECO-CS12 / This contract is designed to hire an agency to help build the CMS management mechanism in China in the industry level, at the same time to publicize project achievements, and provide other technical assistance for FE	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National		250,000.00	263,194.42	Signed	2020-05-07	2020-04-22	2020-05-28	2020-05-14	2020-07-11	2020-07-13								2020-08-10	2020-09-14	2020-09-14	2020-12-14	2022-08-15	
CN-PFOS FECO-CS10 / This TOR is for a consulting firm to conduct environmental monitoring of PFOS production enterprises in Fujian, in order to evaluate the performance of Fujian's PFOS elimination work.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National		200,000.00	217,911.89	Signed	2020-05-29	2020-05-11	2020-06-19	2020-05-28	2020-08-18	2020-08-28								2020-09-17	2020-12-02	2020-10-22	2020-10-14	2022-03-06	2022-08-21
FECO-CS14 / This activity is for the consulting firm to study the gap between China's "CP assessment indicator system for metal plating industry and requirements of POPs Convention, and then propose an updated version.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National		50,000.00	54,124.27	Signed	2020-05-31	2020-05-20	2020-07-01	2020-06-02	2020-08-14	2020-07-07								2020-09-13	2020-08-04	2020-10-18	2020-10-09	2022-02-10	2022-01-24
FECO-CS13 / Study on the risk of human exposure of per- and polyfluoroalkyl substances and prevention and control measures	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National		278,000.00	289,645.26	Signed	2020-06-15	2020-06-05	2020-07-06		2020-08-19	2020-07-20								2020-09-18	2020-09-01	2020-10-23	2020-12-06	2022-12-31	2022-10-06
FECO-CS16 / This is for hiring a consulting firm to study a PFOS/PFOSE containing waste management and disposal in China and abroad, to propose the suggestions or technical roadmaps about Chinese standards and regulations on PFOS/PFOSE waste identification	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National		80,000.00	77,725.96	Signed	2020-06-30	2020-06-15	2020-07-21		2020-09-03	2020-12-09								2020-10-03	2020-12-24	2020-11-07	2020-10-10	2021-11-07	2022-05-13

FECO-CS11 / FECO will hire a consulting firm to test the PBT characteristic of PFOS alternatives especially in metal plating sector. The output will include PBT results of at least 10 PFOS alternatives by lab-experiments together with model calculation.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National	250,000.00	255,278.04	Signed	2020-07-10	2020-08-26	2020-08-09	2020-09-22	2020-12-31							2020-10-22	2021-01-04	2020-11-26	2021-02-11	2022-03-21	
FECO-CS23 / Consulting service of development of software system for PFOS tracing and management system on oil refilling sector.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National	298,000.00	341,672.08	Signed	2020-08-21	2020-07-27	2020-09-21	2020-11-04	2021-06-15							2020-12-04	2021-06-25	2021-01-08	2021-07-06	2021-09-05	
FECO-CS17 / Investigation and Evaluation of Cleanup Additives for Oilfield Fracturing and Acidification.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National	100,000.00	98,719.42	Signed	2020-09-06	2021-01-05	2020-09-27	2020-11-10	2021-04-27							2020-12-10	2021-04-08	2021-01-14	2021-06-06	2021-08-31	2022-06-10
FECO-CS23 / hire a competent candidate to verify and evaluate the incineration disposal technology of PFOS containing wastes, and clarify the technical requirements, treat ment results and pollutant emission of incinerating PFOS containing wastes.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National	200,000.00	200,619.06	Signed	2020-12-15	2020-11-30	2021-01-05	2021-02-18	2021-03-25							2021-03-31	2021-04-27	2021-05-05	2021-06-17	2022-03-31	
FECO-CS24 / FECO plans to hire a consulting agency to undertake the publicity and dissemination work of PFOS project, specifically including production of promotion video, organization of publicity activities and preparation of summary reports, etc.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National	140,000.00	140,604.57	Signed	2020-12-31	2021-01-05	2021-01-30	2021-03-15	2021-07-05							2021-04-14	2021-07-13	2021-05-19	2021-08-01	2023-12-31	
FECO-CS18 / It is planned to employ a qualified agency to complete the "Evaluation index System Of Cleaner Production in the Fluorine Chemical Industry" (proposal draft), guide the cleaner production of the fluorine chemical industry enterprises to reduce PFOS.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National	100,000.00	97,336.52	Signed	2021-03-21	2021-03-17	2021-04-11	2021-05-25	2021-07-29							2021-06-24	2021-07-29	2021-07-29	2021-09-07	2022-01-25	
FECO-CS25 / It is planned to select a qualified agency to develop the PFOS rapid detection device association standards, so as to provide technical support for the follow-up daily supervision, control and implementation of PFOS.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National	100,000.00	0.00	Canceled	2021-04-16	2021-03-23	2021-05-07	2021-06-20	2021-06-11							2021-07-20		2021-08-24		2022-08-24	
FECO-CS26 / It is planned to employ a qualified institution to undertake the activities for investigation and study of the adaptability of existing fire-extinguishing foam related regulations and standards to the 2019 amendment to the Stockholm Convention.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National	50,000.00	0.00	Canceled	2021-06-06	2021-05-06	2021-06-27	2021-08-10								2021-09-09		2021-10-14		2022-04-12	
FECO-CS30 / FECO plans to hire qualified institutions to conduct the third party supervision and management as well as consulting services for effectiveness evaluation of demonstration enterprises of closed loop chromium plating.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National	250,000.00	222,421.91	Signed	2021-08-06	2021-08-05	2021-08-20	2021-10-03	2021-12-16							2021-11-02	2021-12-16	2021-12-07	2022-01-22	2022-12-07	
FECO-CS29 / It is planned to hire a third party agency to support financial management of demonstration enterprises in fireproofing sector.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National	27,000.00	26,911.67	Signed	2021-09-30	2021-09-14	2021-10-21	2021-12-04	2021-10-22							2022-01-03	2021-12-03	2022-02-07	2021-12-30	2023-02-07	
FECO-CS31 / It is proposed to hire an agency to assist in the research on the characteristics of PFCA, its salts and related compounds and risk screening and evaluation.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National	45,000.00	39,814.48	Signed	2021-10-30	2021-09-23	2021-11-20	2022-01-03	2021-10-22							2022-02-02	2021-12-09	2022-03-09	2022-01-12	2023-03-09	
FECO-CS32 / In order to further understand the implementation effects of relevant management policies, conduct nationwide research on environmental occurrence, health risks and application management of PFOS and related compounds.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National	150,000.00	126,323.18	Signed	2022-03-01	2022-04-19	2022-03-22	2022-05-24	2022-08-15							2022-06-23	2022-09-20	2022-07-28	2022-10-13	2024-01-28	
FECO-CS33 / It is proposed to hire a third party supervision and management agency to promote the harmless disposal of expired PFOS-containing foam in Henan province.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National	60,000.00	0.00	Signed	2022-04-30	2022-06-08	2022-05-21	2023-05-06	2022-07-04	2022-11-08						2022-08-03	2022-12-22	2022-09-07	2022-12-31	2023-03-06	
FECO-CS34 / It is planned to hire a third party supervision and management agency to support the implementation of PFOS-containing foam disposal in Shanghai.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National	60,000.00	0.00	Signed	2022-05-31	2022-06-08	2022-06-21	2023-05-06	2022-08-04	2022-09-15						2022-09-03	2022-12-22	2022-10-08	2022-12-31	2023-04-06	
FECO-CS35 / It is planned to hire a third-party supervision and management agency to support the implementation of PFOS-containing foam disposal in Zhejiang province.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National	60,000.00	0.00	Signed	2022-05-31	2022-06-08	2022-06-21	2023-05-06	2022-08-04	2022-09-05						2022-09-03	2022-12-22	2022-10-08	2022-12-31	2023-04-06	
FECO-CS36 / It is planned to hire a third-party supervision and management agency to support the implementation of PFOS-containing foam disposal in Jiangsu Province.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National	60,000.00	0.00	Signed	2022-05-31	2022-06-08	2022-06-21	2023-05-09	2022-08-04	2022-07-01						2022-09-03	2022-09-01	2022-10-08	2022-12-31	2023-04-06	
FECO-CS37 / Research on an improved Discharge Standard for PFASs Pollutants from Electroplating Sector in Jiangsu Province.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Consultant Qualification Selection	Open - National	150,000.00	0.00	Signed	2022-06-23	2022-07-05	2022-07-14	2022-08-27	2022-08-31							2022-09-26	2022-09-02	2022-10-31	2023-02-18	2023-12-31	



FECO-CS2 / Consulting services for Firefighting sector to reduce the use of PFOS in firefighting sector	TF / A4337	Component 3: Policy and Technical Assistance	Prior	Direct Selection	Direct		3,100,000.00	2,964,950.10	Signed	2019-06-16	2019-07-11	2019-06-26	2019-07-12			2019-08-30	2019-08-15	2020-02-26	
FECO-CS5 / National technical advisor for supporting the implementation of project	TF / A4337	Component 3: Policy and Technical Assistance	Post	Individual Consultant Selection	Limited		100,000.00	36,267.18	Signed	2019-06-30	2018-02-07	2019-07-05	2018-03-02	2019-07-26	2018-04-03	2019-08-30	2018-05-03	2020-02-26	
FECO-CS1 / Comprehensive technical assistance to eliminate the use of PFOS for the control for RIFA	TF / A4337	Component 3: Policy and Technical Assistance	Prior	Direct Selection	Direct		1,980,000.00	1,954,748.46	Signed	2019-06-30	2020-05-07	2019-07-12	2018-04-19			2019-09-15	2018-06-13	2020-03-13	
FECO-CS6 / This activity is designed to hire an expert in metal-plating sector for providing technical assistance for the demonstration and other technical issues.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Individual Consultant Selection	Open		50,000.00	18,556.89	Signed	2020-05-07	2020-05-09	2020-06-25	2020-06-19	2020-07-16	2020-06-22	2020-08-20	2020-07-20	2021-02-16	
FECO-CS3 / Experts in the field of fire fighting, provide technical assistance for real fire-fighting test and other related activities.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Individual Consultant Selection	Open		60,000.00	20,344.54	Signed	2020-05-22	2020-05-14	2020-07-10	2020-06-17	2020-07-31	2020-06-18	2020-09-04	2020-07-07	2021-09-04	
FECO-CS4 / Alternative technical expert of fire-fighting foam, provides assistance for demonstration enterprises selection, trial production and other related activities.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Individual Consultant Selection	Open		60,000.00	20,198.18	Signed	2020-05-22	2020-05-14	2020-07-10	2020-06-17	2020-07-31	2020-06-18	2020-09-04	2020-07-17	2021-09-04	
FECO-CS5-1 / The first phase of NTA (FECO-CS5) is completed already in 2020. FECO propose to rebid FECO-CS5 to help FECO solve some technical problems, and provide policy recommendations for capacity building works.	TF / A4337	Component 3: Policy and Technical Assistance	Post	Individual Consultant Selection	Open		30,000.00	26,806.66	Signed	2021-08-01	2021-08-03	2021-09-19	2021-09-10	2021-10-10	2021-09-10	2021-10-30	2021-10-05	2022-10-20	2023-03-17
FECO-CS26-1 / It is planned to directly select an agency to conduct Investigation And Study Of The Adaptability Of Existing Fire-Extinguishing Foam Related Regulations And Standards To The 2019 Amendment To The Stockholm Convention	TF / A4337	Component 3: Policy and Technical Assistance	Post	Direct Selection	Direct		50,000.00	0.00	Under Implementation	2021-10-10	2021-09-26	2021-10-20				2021-12-24		2022-06-22	