

Summarized Procurement Plan

(This is only a sample with the minimum content that is required to be included in the PAD. The detailed procurement plan is still mandatory for disclosure on the Bank's website in accordance with the guidelines. The initial procurement plan will cover the first 18 months of the project and then updated annually or earlier as necessary).

I. General

1. **Bank's approval Date of the procurement Plan:** March 2019
2. **Date of General Procurement Notice:** March 2019
3. **Period covered by this procurement plan:** *for the whole project*

II. Goods and 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: Procurement Risk Rating- **Substantial**

	Procurement Method	Prior Review Threshold US\$	Comments
1.	ICB and LIB (Goods)	Above US\$ 3 million	No package available
2.	NCB (Goods)	Above US\$ 2 million	No package available
3.	ICB (Works)	Above US\$ 20 million	No package available
4.	NCB (Works)	Above US\$ 10 million	No package available
5.	Shopping for Works (Below US\$ 200,000)	None	
6.	Shopping for Goods (Below US\$ 100,000)	None	

2. **Prequalification.** Bidders for Not applicable shall be prequalified in accordance with the provisions of paragraphs 2.9 and 2.10 of the Guidelines.
3. **Proposed Procedures for CDD Components (as per paragraph 3.17 of the Guidelines):** *not applicable*
4. **Reference to (if any) Project Operational/Procurement Manual:** *Project Implementation Manual for World Bank Trust Fund P152232 issued on 2019 by the PMU at DCC*

5. **Any Other Special Procurement Arrangements:** *[not applicable]*
6. **Summary of the Procurement Packages planned during the first 18 months after project effectiveness (including those that are subject to retroactive financing and advanced procurement)**

1	2	3	4	5	6	7
Ref. No.	Description	Estimated Cost US\$ million	Packages	Domestic Preference (yes/no)	Review by Bank (Prior / Post)	Comments
	Summary of the ICB (Works)	0	0	No	N/A	
	Summary of the ICB (Goods)	0	0	No	N/A	
	Summary of the NCB (Works)	0	0	No	N/A	
	Summary of the NCB (Goods)	0.85	2	No	Post	
	Summary of the ICB (Non-Consultant Services)	0	0	No	N/A	

III. Selection of Consultants

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

	Selection Method	Prior Review Threshold	Comments
1.	Competitive Methods (Firms)	Above US\$ 1 million	QCBS & QBS & FBS
2.	Single Source (Firms)	Above US\$ 1 million	SSS
3.	Individual including Direct selection	Above US\$ 300,000	IC

2. **Short list comprising entirely of national consultants:** Short list of consultants for services, estimated to cost less than US\$ 300,000 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:** *not applicable*

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

1	2	3	4	5	6
Ref. No.	Description of Assignment	Estimated Cost US\$ million	Packages	Review by Bank (Prior / Post)	Comments
	Summary of number of contracts that will be let under QCBS	0	0	Prior	QCBS & FBS
	Summary of number of contracts that will be let under QBS	0	0	Prior	QBS
	Summary of number of contracts that will be let under other methods for firms	0.32	5	Post	CQS
	Summary of number of contracts with Individuals	TBD	10	Post	IC

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		Invitation to Identify/Selected Consultant		Draft Negotiated Contract		Signed Contract		Contract Completion	
										Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual
C3-IC4 / PMU Staff - procure ment Consultant	TF / A6361	Component 3: Project Management	Prior	Individual Consultant Selection	Open		82,500.00	1,483.00	Signed	2019-04-10	2019-07-09	2019-05-25	2019-07-09	2019-06-15	2019-08-05	2019-07-20	2019-08-15	2023-12-31	
C3-IC1 / Hiring PMU Staff -Pr oject Coordinator	TF / A6361	Component 3: Project Management	Post	Individual Consultant Selection	Open		151,800.00	188,345.30	Terminated	2019-04-10	2019-04-10	2019-05-25	2019-05-20	2019-06-15	2019-05-21	2019-07-20	2019-06-03	2023-12-31	
C3-IC2 / Hiring PMU Staff - T echnical Consultant	TF / A6361	Component 3: Project Management	Post	Individual Consultant Selection	Open		125,400.00	125,400.00	Signed	2019-04-15	2019-04-10	2019-05-30	2019-05-21	2019-06-20	2019-05-21	2019-07-25	2019-06-03	2023-12-31	
C3-IC3 / PMU Staff - Project Monitoring Consultant	TF / A6361	Component 3: Project Management	Post	Individual Consultant Selection	Open		82,500.00	28,064.38	Terminated	2019-04-10	2019-04-10	2019-05-25	2019-05-22	2019-06-15	2019-05-22	2019-07-20	2019-07-01	2023-12-31	
C3-IC5 / PMU Staff - Account ant cum administrative Cons ultant	TF / A6361	Component 3: Project Management	Post	Individual Consultant Selection	Open		92,400.00	92,400.00	Terminated	2019-04-10	2019-04-10	2019-05-25	2019-07-09	2019-06-15	2019-05-21	2019-07-20	2019-06-03	2023-12-27	
C1-IC2 / Individual Consultan t for assistance in selection a nd distribution tool kits to vo cational centers/schools and s ervice shops for estimated 3 man-month	TF / A6361	Component 1: HCFC Consump tion Reduction	Post	Individual Consultant Selection	Open		15,000.00	14,784.94	Completed	2019-05-15	2019-09-13	2019-07-03	2019-11-15	2019-07-24	2019-11-15	2019-08-28	2019-11-18	2021-12-31	2020-10-22
C2-IC1 / Individual Consultan t for development of training curriculum on R&AC using fla mable refrigerants for esti mated 3 man-month	TF / A6361	Component 2: Technical Assi stance and Policy Actions	Post	Individual Consultant Selection	Open		15,000.00	14,799.03	Completed	2019-06-25	2019-09-13	2019-08-13	2019-11-11	2019-09-03	2019-11-11	2019-10-08	2019-11-18	2021-12-31	2020-11-17
C2-IC2 / Individual Consultan t for HCFC consumption verifi cation for estimated 8 man-month	TF / A6361	Component 2: Technical Assi stance and Policy Actions	Post	Individual Consultant Selection	Open		20,000.00	19,769.60	Completed	2019-06-10	2019-08-09	2019-07-29	2019-08-26	2019-08-19	2019-08-26	2019-09-23	2019-08-26	2022-12-31	2022-04-14
C2-IC3 / Individual Consultan t for development of national standard for foam production using flammable blowing age nts for estimated 6 man-mon th	TF / A6361	Component 2: Technical Assi stance and Policy Actions	Post	Individual Consultant Selection	Open		18,000.00	17,793.88	Completed	2019-09-10	2019-10-10	2019-10-29	2019-12-13	2019-11-19	2019-12-13	2019-12-24	2019-12-13	2021-12-31	2020-10-27
C1-IC1 / To develop training material and provide training for about 60 trainers on good practice to handle HCFC, new and flammable refrigerants; HCFC R&R; conversion HCFC based refrigeration system to non-HCFC system.	TF / A6361	Component 1: HCFC Consump tion Reduction	Post	Individual Consultant Selection	Open		25,000.00	24,641.56	Completed	2019-08-15	2019-09-13	2019-10-03	2019-11-04	2019-10-24	2019-11-04	2019-11-28	2019-11-04	2022-01-10	2020-12-22
C1-IC3 / To evaluate the leak age management activities a nd energy efficiency options at industrial refrigeration end users	TF / A6361	Component 1: HCFC Consump tion Reduction	Post	Individual Consultant Selection	Open		34,000.00	33,512.53	Signed	2019-08-05	2019-07-31	2019-09-23	2019-09-19	2019-10-14	2019-09-19	2019-11-18	2019-09-26	2022-12-31	
C3 - IC6 / Consultant for the survey of the potential eligib le enterprises for participatio n in technology conversion to phase out HCFC-141b pre-ble nded polyol in the foam sect or	TF / A6361	Component 3: Project Management	Post	Individual Consultant Selection	Open		7,500.00	7,451.74	Completed	2020-08-04	2020-11-06	2020-09-22	2021-02-05	2020-10-13	2021-02-04	2020-11-17	2021-03-02	2021-11-12	2022-01-25
C3 - IC5 / Accountant cum A dministrative Consultant	TF / A6361	Component 3: Project Management	Post	Individual Consultant Selection	Open		74,429.83	20,707.00	Terminated	2020-06-30	2019-04-10	2020-08-18	2020-04-16	2020-09-08	2020-04-17	2020-10-13	2020-04-22	2023-12-31	
C1 - ICIP / Individual consult ant for supporting the perfor mance of technical assistanc e under Japan's TA	TF / A6361	Component 1: HCFC Consump tion Reduction	Post	Individual Consultant Selection	Open		15,000.00	14,905.20	Completed	2020-10-01	2020-11-06	2020-11-19	2021-02-02	2020-12-10	2021-02-04	2021-01-14	2021-02-18	2022-01-09	2022-01-17
C1 - CSJP / Consulting Servi ces for conducting the techni cal assistance for Air Condition ing Sector under Japan's TA	TF / A6361	Component 1: HCFC Consump tion Reduction	Post	Direct Selection	Direct		215,120.00	215,120.00	Signed	2020-10-01	2020-09-17	2020-10-11	2020-10-05			2020-12-15	2020-12-18	2022-12-05	
C3-IC3 (PMU STAFF) / PMU St aff - Project Monitoring Consu ltant	TF / A6361	Component 3: Project Management	Post	Individual Consultant Selection	Open		54,435.62	1,007.88	Terminated	2021-03-15	2018-08-21	2021-04-01	2021-02-01	2021-04-02	2021-02-02	2021-04-04	2021-02-04	2023-12-31	
C3-IC1 (PMU STAFF) / PMU St aff -Project Coordinator	TF / A6361	Component 3: Project Management	Post	Individual Consultant Selection	Open		115,330.18	10,474.70	Terminated	2021-03-15	2018-11-21	2021-04-01	2020-11-27	2021-04-06	2020-11-30	2021-04-08	2020-12-01	2023-12-31	
C3-IC3/3 / Project Monitoring Consultant	TF / A6361	Component 3: Project Management	Post	Individual Consultant Selection	Open		53,421.81	53,421.81	Signed	2021-04-30	2021-04-27	2021-05-16	2021-05-31	2021-05-17	2021-05-31	2021-05-20	2021-06-01	2023-12-31	
C3-IC5-3 / Accountant cum A dministrative Consultant	TF / A6361	Component 3: Project Management	Post	Individual Consultant Selection	Open		53,722.76	19,947.41	Terminated	2021-06-10	2018-11-21	2021-06-26	2021-05-18	2021-06-27	2021-05-18	2021-06-29	2021-05-21	2023-12-31	
C3-IC1-3 / Project Coordinat or	TF / A6361	Component 3: Project Management	Post	Individual Consultant Selection	Open		104,593.72	104,593.72	Signed	2021-06-10	2021-03-30	2021-06-26	2021-05-24	2021-06-27	2021-05-24	2021-06-29	2021-05-25	2023-12-31	
C3 - IC7 / Consultant for the survey of the potential eligib le enterprises for participatio n in technology conversion to phase out HCFC-22 in the refrigeration sector	TF / A6361	Component 3: Project Management	Post	Individual Consultant Selection	Open		7,500.00	0.00	Canceled	2021-04-15		2021-06-03		2021-06-24		2021-07-29		2022-07-24	
C3-IC7 / Consultant for surve y of the potential eligible ent erprises for participation in t echnology conversion to pha se out HCFC-22 in refrigerati on sector	TF / A6361	Component 1: HCFC Consump tion Reduction	Post	Individual Consultant Selection	Open		17,500.00	0.00	Pending Impleme ntation	2021-11-15		2021-12-04		2021-12-04		2022-01-01		2022-12-31	
C1-IC4 / National consultant for research and developmen t of standard on capacity ass essment and certification of technicians	TF / A6361	Component 1: HCFC Consump tion Reduction	Post	Individual Consultant Selection	Open		25,000.00	0.00	Pending Impleme ntation	2022-07-01		2022-07-22		2022-07-23		2022-07-25		2023-07-20	
C1-IC5 / International consul tant to support TA in implem entation of foam sector and blending stations	TF / A6361	Component 1: HCFC Consump tion Reduction	Post	Individual Consultant Selection	Open		40,000.00	0.00	Pending Impleme ntation	2022-07-15		2022-08-03		2022-08-04		2022-08-06		2023-11-29	

C1-IC6 / National consultant to support in implementation of foam sector and blending stations	TF / A6361	Component 1: HCFC Consumption Reduction	Post	Individual Consultant Selection	Open		30,000.00	0.00	Under Implementation	2022-06-30	2022-06-17	2022-07-20		2022-07-22		2022-07-24		2023-11-16
C1-IC7 / National consultant to support the implementation of technology conversion and demo of projects with alternatives under refrigeration sector	TF / A6361	Component 1: HCFC Consumption Reduction	Post	Individual Consultant Selection	Open		30,000.00	0.00	Under Implementation	2022-06-30	2022-06-21	2022-07-20		2022-07-21		2022-07-23		2023-11-15
C1-IC8 / National consultant to develop standards on safe production and installation of room AC that use flammable refrigerant	TF / A6361	Component 1: HCFC Consumption Reduction	Post	Individual Consultant Selection	Open		30,000.00	0.00	Under Implementation	2022-07-05	2022-06-14	2022-07-25		2022-07-27		2022-07-29		2023-07-24
C2-IC4 / National consultant for technical guidance for technology conversion	TF / A6361	Component 2: Technical Assistance and Policy Actions	Post	Individual Consultant Selection	Open		10,000.00	0.00	Under Implementation	2022-07-10	2022-06-14	2022-07-30		2022-08-01		2022-08-03		2023-04-30
C3-IC5-4 / Accountant cum administrative Consultant	TF / A6361	Component 3: Project Management	Post	Individual Consultant Selection	Open		33,775.06	0.00	Under Implementation	2022-06-24	2022-07-14	2022-07-08		2022-07-09		2022-07-11		2023-12-31