



Annual Performance Report (APR) Public Disclosure Copy

*Reference Number (FP070): Global Clean Cooking Program - Bangladesh
The World Bank*

*Annual Reporting Period Covered in this Report:
(From 09-01-2019 to 12-31-2019)*

Sections in this report:

- Section 1: General Information
- Section 2: Implementation Progress
- Section 3: Financial Information
- Section 4: Report on Environmental and Social Safeguards & Gender
- Section 5: Annexes
- Section 6: Attachments

Please submit the APR to opm@gcfund.org

SUBMITTED BY	
<i>Joonkyung Seong, Senior Energy Specialist</i>	<i>2/28/2020</i>
<i>Name and title</i>	<i>Date</i>
<i>Yes</i> <i>Please indicate if this report has been shared with the relevant NDA(s) for this Funded Activity (Yes/No)</i>	<i>2/28/2020</i> <i>Date of submission to NDA</i>

SECTION 1: GENERAL INFORMATION	
This section provides general information on the funded activity.	
1. Funded Activity Title:	<i>Global Clean Cooking Program – Bangladesh</i>
2. Funding Proposal Number:	<i>(FP070)</i>
3. Date of Board approval - Board Meeting Number:	3/1/2018 <i>B.19</i>
4. Accredited Entity:	<i>The World Bank</i>
5. Focal Point of the Accredited Entity for this Project:	<i>Joonkyung Seong</i> <i>Senior Energy Specialist</i> jseong@worldbank.org <i>+1 (202) 473-7330</i>
6. Executing Entity(ies):	<i>The Government of Bangladesh</i>
7. Implementation Period:	<i>From: 9/1/2019</i> <i>To: 12/31/2023</i>
8. Current year of Implementation:	<i>Year 1</i>
9. Date of Submission of the Report:	<i>2/28/2020</i>
10. Annual Reporting period covered in this report:	<i>From: 9/1/2019</i> <i>To: 12/31/2019</i>
11. Total Project Budget ¹ :	<i>Loan: USD 20,000,000</i> <i>Grant: USD 20,000,000</i>
12. Total amount of GCF Proceeds Approved:	<i>Grant: USD 20,000,000</i>
13. Total amount of GCF Proceeds disbursed (cumulative) to the Accredited Entity:	<i>Grant: USD 0</i>

¹ Total project budget including co-financing as reflected in the relevant Funded Activity Agreement.

SECTION 2: IMPLEMENTATION PROGRESS

2.1 OVERALL (SUMMARY) PROJECT PROGRESS *(less than one (1) page)*.

Subsidiary Agreement and Project Agreement are under preparation. The Bank expects to have them negotiated with the Government of Bangladesh and signed in the next couple of months. The first disbursement of GCF Proceeds is therefore expected by May 15, 2020, 240 days from the Effective Date according to Clause 9.02 of the FAA, after meeting all conditions precedent.

IDCOL Improved Cookstove (ICS) Program is overcoming the challenges that resulted from the updates in program modalities during the previous reporting period. The POs under the program have now adopted a more market-based approach to achieve operational efficiency and to ensure the quality of demand creation and awareness activities. For doing so, the POs are focusing more on engaging local communities in demand creation activities, strengthening the supply chain and increasing production efficiencies with support from IDCOL.

As a result, a total of 135,458 ICS units were installed in this reporting period spanning four months from September to December 2019. Installation in the previous phase spanning 20 months was 369,022. Therefore, the monthly average installation has increased by over 84%; from 18,451 ICS per month to 33,864 ICS per month. This growth is expected to continue, and IDCOL is confident about the program achieving its installation target of an additional 4 million ICS units within the stipulated deadline of June 2023.

The key milestones achieved during this reporting period are: (i) installation of 135,458 ICS covering 685,416 beneficiaries, (ii) generating USD 725,333 from local beneficiaries through selling ICS, (iii) providing training to 198 staffs (36 female staffs), (iv) ongoing R&D contract on further development of ICS, (v) development of a communication strategy, (vi) impact assessment study by Bangladesh Institute of Development Studies (BIDS) (vii) distribution of 145,000 promotional materials, (viii) physical verification of 41,163 ICS (30% of the installed ICS), and, (ix) reduction of 182,784 tonnes of CO2 equivalent.

The impact assessment study by BIDS, based on a survey that included 1,000 household with ICS and 1,000 households without ICS, found that ICS adoption resulted in 19 – 27% fuel costs savings and 21 minutes time savings per day. The ICS adoption found to be associated with 38.4 percentage points reduction in headache, 20.8 percentage points reduction in shortness of breath, and 8.9 percentage points reduction in eye irritation among household members. As the survey included mostly Tier 1 ICS with around 20% thermal efficiency, the benefits are expected to be more significant with Tier 3 stoves with more than 35% thermal efficiency.

The communication strategy has been finalized and is expected to guide and bolster the approach of IDCOL and POs regarding demand creation activities. Based on the communication strategy, a TOR for engaging a reputed agency for overall promotion under the program has been developed. The program achieved cumulative installation of 2 million ICS since its inauguration by the Honourable Prime Minister in 2013. IDCOL is currently planning to organize an event with presence of the honourable Prime Minister; dates of which will be finalized based on her availability. The R&D activities on suitable ICS models for large-scale cooking, assessing durability of the existing models and further development of existing single mouth chimney stove are expected to be completed by April 2020. IDCOL expects to develop appropriate ICS models for commercial purpose and make current models more user-friendly, among others.

As the program scales and continues towards becoming one of the largest access to finance for clean energy programs globally, IDCOL has started working closely with global agencies such as the Berkley Air Monitoring Group (to assess the quality of indoor air pollution and the impact of the ICS program), Aprovecho (ISO standard ICS testing lab) and companies like Envirofit/Mimimoto to ensure the sustainable growth of the program. These partnerships are expected to improve the qualitative aspects of the Program. The IDCOL will implement the following technical assistance activities in the next year: (i) BUET, and Aprovecho Research Center for establishing an ISO standard cookstove testing facility in Bangladesh, (ii) Berkeley Air Monitoring Group and International Centre for Diarrhoeal Disease Research, Bangladesh for assessing health impact of the Program and (iii) the IDCOL partnership with reputed media firms (McCann) will be finalized in the coming quarter, this partnership will support the national level demand creation activities, among others.

2.2 Performance against the GCF Investment Criteria (summary) (max two (2) pages).

2.2.1 Impact Potential (max one (1) page).

A total of 135,458 ICS installed in this reporting period, GHG emission was reduced by 182,784 tonnes. The calculation considered the emission reduction in this reporting period of four months resulting from (i) ICS installed in this reporting period and (ii) ICS installed in the previous reporting period. Considering the total lifetime of the stoves (3 years), the estimated total GHG reduction from ICS installed in this reporting period is 495,747 tonnes.

The program is now operational in 263 sub-districts of the country, covering 61 out of 64 districts through a network of 57 Partner Organizations with a strong local presence. This strong presence of the POs has made ICS available in 53% area of the country. The total number of beneficiaries during the reporting period is 685,416 as reported by the IDCOL POs and 17% of the ICS purchases were paid for directly by the women household member. Women are economically empowered as the program is creating employment opportunities. About 16% of the staff are female among the current workforce of 1,693 staff under the program. This will increase over the course of the program with the ongoing training and capacity building programs being conducted by IDCOL.

2.2.2 Paradigm shift potential (max one (1) page).

This program is the first in a global pipeline of projects addressing clean cooking challenges that is supported by the World Bank. The program at scale, with 5 million direct beneficiaries being females, will be the largest ICS Program in the world.

The program is addressing key barriers in supply and demand of ICS using a holistic, market-based approach that solves both, the demand and the supply-side obstacles that impact the adoption of ICS without subsidy. It empowers local communities, especially women, to drive the campaign in rural areas. The stoves under the program were developed in accordance with the cooking pattern, behaviour, and fuel usage patterns of the end-users in Bangladesh. All these considerations helped in minimizing the behaviour change requirements of the cook and thus ensuring easy adoption. The stoves are produced in various decentralized local facilities across rural areas, using locally available resources that helped in developing a strong supply-side congruent with the demand. Therefore, this program is creating a strong platform for achieving 100% clean cooking coverage by 2030 as per Bangladesh Country Action Plan.

During this reporting period, a total of 198 PO staffs received training through 26 different training programs. The training programs were: (i) 3 Mason trainings (28 person, 5 female), (ii) 20 Field Staff trainings (120 Person, 24 Female), (iii) 2 Technician trainings (28 Person, 2 Female), and (iv) 1 Community mobilization training (21 Person, 5 Female). These trainings supported the creation of a network of learned professionals on different aspects of ICS. Notably, the program has a target to train a total of 4,800 PO staffs of which at least 18% will be females.

The program is working to establish an ISO standard cookstove testing facility in Bangladesh, which will be able to test the performance of ICS following the ISO test protocols. This will significantly contribute towards quality assurance of all cookstove programs in Bangladesh as well as in the neighbouring countries, and bolster R&D activities related to cookstoves. The program plans to work with the Berkeley Air Monitoring Group and International Centre for Diarrhoeal Disease Research, Bangladesh for assessing the health impact of the program enumerating the benefits of cleaner cooking.

IDCOL is closely working with Household Energy Platform (HEP) of Sustainable and Renewable Energy Development Authority (SREDA) of Bangladesh Government. HEP is currently working to involve different ministries (education, health etc.) to include elements related to ICS in various government initiatives. The UN Foundation Organization - Clean Cooking Alliance, is a partner to IDCOL for the ICS program.

2.2.3 Sustainable development potential (max one (1) page).

This program directly contributes towards achieving several SDGs. Contribution towards SDG 7 (Affordable and Clean Energy) is being made through the installation of stoves with higher thermal efficiency. An Indoor Air Pollution (IAP) study conducted under the ICS Program showed that the improved stoves reduce the emission of particulate matters (PM) and Carbon Monoxide (CO) by 20% and 90% respectively compared to traditional stoves. Reducing IAP is directly contributing towards SDG 3 (Good Health and Well Being). The expected reduction of 13.36 million tonnes tCO₂eq under the Program will significantly contribute towards SDG 13 (Climate Action).

Each ICS under the program saves 1.54 tonnes of biomass fuel requirement per year, which is 68% lower compared to baseline stoves. Therefore, the women who use ICS need less time for collecting fuel and cooking which enable them to look after education of their children and perform income generating activities which contribute towards SDG 4 (Quality Education) and SDG 5 (Gender Equality).

This Program has already created 1,693 jobs out of which 16% are females. In addition to these jobs, POs are recruiting people from local communities for local level demand creation activities. Given the social and religious context of Bangladesh as well as primary beneficiaries of ICS being female members of the households, there are significant opportunities for local women to get involved in the program and to earn money. Furthermore, these jobs are allowing them to work within the safety and familiarity of their community.

2.2.4 Needs of the recipient (max one (1) page).

The health impacts associated with traditional stoves are particularly acute for women and children, who are the most exposed groups to indoor air pollution. In Bangladesh, indoor air pollution-related to cooking using biomass fuels in inefficient, traditional stoves affects 135.5 million people, while 70,000 deaths per year are attributable to indoor air pollution (IHME, 2017)². This Program is providing an improved cooking solution to such people in the rural areas of Bangladesh. Each model of ICS is approved by an independent technical committee which includes relevant experts from reputed universities, research organizations as well as Department of Environment (DoE) and Local Government Engineering Department (LGED). For inclusion under the Program, the performance of ICS has to be tested as per prevailing ISO methodologies. After inclusion, the inspection of production centers as well as households ensure that the ICS disseminated under the program are produced and installed as per approved specifications. Thus, the quality of ICS installed under the Program is ensured. The partnership between the Bangladesh University of Engineering Technology (BUET) and Aprovecho will further ensure that the country has an ISO lab that can do lab-based testing that ensures that quality of the stoves.

The ICS sold under the Program were locally developed considering the needs of the recipients and compatibility with prevailing cooking patterns, behaviour and fuel usage, among others. Notably, the adoption rate is about 96% under the Program.

2.2.5 Country Ownership (max one (1) page).

The Power Division under the Ministry of Power Energy and Mineral Resources has defined a Country Action Plan (CAP) for Clean Cookstoves in 2013. The CAP defines what is needed to kick-start and develop clean cookstove market in Bangladesh and makes a case for taking immediate action towards achieving the goal of 100% clean cooking solutions by 2030. In line with the vision, the Government received financial support from the World Bank as loan and converted it into a grant for IDCOL to support the implementation of Phase 1 of the Program. Given its importance in the context of Bangladesh, the Program was inaugurated by the Honorable Prime Minister of Bangladesh. The IDCOL ICS Program clearly contributes to the national priorities, to the CAP as it will enable reaching 5 million rural households by June 2023. It is also estimated that this market seeding will catalyze a commercial market likely to be more than 30 million households.

The Sustainable and Renewable Energy Development Authority (SREDA) under the Ministry of Power has a separate unit called Household Energy Platform (HEP) to work on the promotion of clean cooking. IDCOL is actively working with HEP in this regard. HEP is currently working to develop a new CAP. As a core committee member of HEP, IDCOL is actively participating in the process. IDCOL is being regularly invited in the CAP review meetings and providing comments.

The program identified the key stakeholders and ensured their participation in a way which enables the solution to leverage both national and global experience and expertise. Key government institutions, research organizations and universities have been included in independent committees for selecting POs and setting technical standards. Involvement of such entities ensured the participation of trusted local POs and selection of appropriate stove models. Active participation in international and national standard development activities have enriched technical aspects of the solution. The Program also involved several universities in R&D and testing of cookstoves. Global experiences were leveraged through partnering with the World Bank and the Clean Cooking Alliance and will now be furthered with the partnership with Berkley Air and Aprovecho lab.

2.2.6 Efficiency and Effectiveness (max one (1) page).

The program is offering domestic Tier 3 thermal efficiency stoves to the end-users at a price ranging between USD 4.6 to USD25. As calculated following CDM methodologies, each tier 3 stove saves 1.54 tonnes of fuel wood per year. Therefore, the program is ensuring a significant rate of return for the end-users. In this reporting period, the co-financing received from the beneficiaries were USD 0.73 million. Considering USD 10 per stove is received from the World Bank and GCF, the percentage of co-financing is 35%. The estimated GHG emission reduction through the installation of 135,458 ICS over 3 years is 0.49 million tonnes. Given the IDA and GCF allocation of 40 million for 4 million stoves, investment except for local beneficiary contribution per ICS is USD 10. Therefore, costs of emission reduction per tonne is USD 2.76 $[(135,458 \times \text{USD } 10) / (0.49 \text{ million tonnes})]$.

For Monitoring and Quality Control under the ICS Program, IDCOL's inspection efforts consist of a team of 48 diploma engineers, a call center and web-based software to keep track of each ICS installed. IDCOL regularly inspects promotional activities, production centers of the POs and installed stoves at the household level – which ensures the quality of the installation. During this reporting period, 41,163 ICS were physically inspected which is 30% of the installation.

² <https://www.cleancookingalliance.org/country-profiles/focus-countries/6-bangladesh.html>

2.3 PROJECT OUTPUTS IMPLEMENTATION STATUS ³																					
Project Output	Project Activity	Status ⁴	Implementation progress ⁵ (%)																		
Output 1.1: Local level awareness and demand for ICS	<i>Investment by local beneficiaries in purchasing ICS</i>	Activity Started - progress on track	6.34%																		
	Reporting Period: Total investment by local beneficiaries for purchasing 135,458 ICS was USD 725,333. Cumulative: Total investment by local beneficiaries for purchasing 504,480 ICS was USD 2,673,321. The cheapest stove constituted about 96% of the total sales – therefore, through cumulative progress in terms of installation was 12.61% and the progress in terms of investment from local beneficiaries was 6.34% (2.67 million/ 42.17 million).	Expected additional Investment from local beneficiaries are USD 3,444,455 between January and December 2020.																			
	<i>No. of different types of stoves sold and total selling price by different types of ICS</i>	Activity Started - progress on track	12.61%																		
	Reporting Period: Category wise number of stoves and selling price are as given below:	Expected additional installation of 650,000 ICS between January and December 2020.																			
	<table border="1"> <thead> <tr> <th>Category</th> <th>Number of ICS</th> <th>Selling Price (USD)</th> </tr> </thead> <tbody> <tr> <td>Category B: Double Mouth Stoves with metallic lining and insulation</td> <td>1,960</td> <td>34,225</td> </tr> <tr> <td>Category C: Single Mouth Stoves with metallic lining and insulation</td> <td>3,557</td> <td>58,386</td> </tr> <tr> <td>Category D: Single Mouth Portable Stoves with metallic lining and insulation</td> <td>129,939</td> <td>632,706</td> </tr> <tr> <td>Category E: Manufactured Metallic Stoves</td> <td>2</td> <td>16</td> </tr> <tr> <td>Category F: Commercial Stoves</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Category	Number of ICS	Selling Price (USD)	Category B: Double Mouth Stoves with metallic lining and insulation	1,960	34,225	Category C: Single Mouth Stoves with metallic lining and insulation	3,557	58,386	Category D: Single Mouth Portable Stoves with metallic lining and insulation	129,939	632,706	Category E: Manufactured Metallic Stoves	2	16	Category F: Commercial Stoves	0	0		
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³ Outputs and Activities reported here should be aligned with the Activities in the Logic Framework and Implementation Timetable of the project.

⁴ Activity Not Yet Due; Activity Started -ahead of schedule; Activity started – progress on track; Activity started but progress delayed; Activity start is delayed.

⁵ Implementation progress on a cumulative basis as of the date of the report.

	<table border="1"> <tr> <td>Total</td> <td>135,458</td> <td>725,333</td> </tr> </table> <p><i>Cumulative:</i></p> <table border="1"> <thead> <tr> <th>Category</th> <th>Number of ICS</th> <th>Selling Price (USD)</th> </tr> </thead> <tbody> <tr> <td>Category B: Double Mouth Stoves with metallic lining and insulation</td> <td>9,623</td> <td>145,730</td> </tr> <tr> <td>Category C: Single Mouth Stoves with metallic lining and insulation</td> <td>13,609</td> <td>201,514</td> </tr> <tr> <td>Category D: Single Mouth Portable Stoves with metallic lining and insulation</td> <td>481,204</td> <td>2,324,780</td> </tr> <tr> <td>Category E: Manufactured Metallic Stoves</td> <td>44</td> <td>1,297</td> </tr> <tr> <td>Category F: Commercial Stoves</td> <td>0</td> <td>0</td> </tr> <tr> <td>Total</td> <td>504,480</td> <td>2,673,321</td> </tr> </tbody> </table>	Total	135,458	725,333	Category	Number of ICS	Selling Price (USD)	Category B: Double Mouth Stoves with metallic lining and insulation	9,623	145,730	Category C: Single Mouth Stoves with metallic lining and insulation	13,609	201,514	Category D: Single Mouth Portable Stoves with metallic lining and insulation	481,204	2,324,780	Category E: Manufactured Metallic Stoves	44	1,297	Category F: Commercial Stoves	0	0	Total	504,480	2,673,321		
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Output 2.1: <i>Mass awareness on ICS and local level capacity building</i>	<p><i>The minimum number of households reached through mass media campaigns.</i></p>		<p><i>Activity Started - progress on track</i></p> <p>12.64%</p>																								
	<p>Reporting Period: As per sales data, a total of 135,458 stoves were sold – therefore the minimum number of households reached is the same.</p> <p>During this reporting period, 145,000 user manual and leaflets were distributed among the households.</p> <p>Cumulative: A total of 504,480 households were reached through promotional campaigns and a cumulative number of 9,45,000 promotional materials and 3,40,000 calendars were distributed.</p>	<p>Reaching additional minimum 650,000 households between January and December 2020.</p>																									
	<p><i>Number of professionals trained on modalities to accelerate uptakes for ICS at household levels (males and females)</i></p>		<p><i>Activity Started - ahead of schedule</i></p> <p>66%</p>																								
	<p>Reporting period: 198 persons were trained through 26 training programs. Male participants were 162 and female participants were 36. (See Section 2.2.2).</p> <p>The training programs were as follows: (i) 3 Mason trainings (28 persons, 5 female), (ii) 20 Field Staff trainings (120 persons, 24 female),</p>	<p>Additional 500 person through 50 training (Female participants will be at least 15%) between January and December 2020.</p>																									

	<p>(iii) 2 Technician trainings (28 persons, 2 female), and (iv) 1 Community mobilization training (21 persons, 5 female).</p> <p>The TVC updating has been initiated and revised contents/ themes was suggested in the Communication Strategy document.</p> <p>Cumulative: 3,190 persons were trained through 172 training programs. Male participants were 2,785 and female participants were 405.</p>		
<p><i>Output 2.2: Research and Development and studies</i></p>	<p><i>The number of initiatives by IDCOL: Impact Assessment, Indoor Air Pollution/ Health Impacts and Financial Incentives.</i></p>	<p><i>Activity Started - ahead of schedule</i></p>	<p>75%</p>
	<p>Three in progress, including:</p> <ul style="list-style-type: none"> • 1 (one) R&D contract on ICS related development • 1 (one) Impact Assessment study • 1 (one) Communication Strategy development contract 	<p>01 (one) health impact study.</p>	
<p><i>Output 3.1: Program Implementation to ensure the installation of 4 million ICS as well as other program objectives</i></p>	<p><i>Rate of inspection of stove usage</i></p>	<p><i>Activity Started - ahead of schedule</i></p>	<p>15%</p>
	<p>Reporting Period: Among 135,458 ICS installed – physical inspection has been conducted for 41,163 ICS. Therefore, the rate of inspection is 30%. Among the inspected stoves, 96% are being regularly used.</p> <p>Cumulative: Physical inspection has been conducted for a total of 211,373 ICS against 504,480 total number installed. Therefore, percentage of physical inspection is 42%.</p>	<p>To keep the rate of inspection at 25% or above.</p>	

2.4 PROGRESS UPDATE ON THE LOGIC FRAMEWORK INDICATORS⁶					
2.4.1 PROGRESS UPDATE ON FUND-LEVEL IMPACT INDICATORS OF THE LOGIC FRAMEWORK					
<i>Fund-level impact Core indicators⁷ (Mitigation)</i>	<i>Baseline</i>	<i>Current value⁸</i>	<i>Target (mid-term)</i>	<i>Target (final)</i>	<i>Remarks (including changes⁹, if any)</i>
<i>Tonnes of carbon dioxide equivalent (tCO₂eq) reduced as a result of Fund-funded projects/programmes</i>	<i>2.87 million</i>	<i>3.42 million</i>	<i>6.68 million</i>	<i>13.36 million</i>	
<i>Volume of beneficiaries (gender disaggregated) investing in ICS</i>	<i>0</i>	<i>Males: 1,194,415 Females: 1,060,715 Total: 2,255,130</i>	<i>Males: 4.4M Females: 4.3M Total: 8.7M</i>	<i>Males: 8.99M Females: 8.61M Total: 17.6M</i>	

2.4.2 PROGRESS UPDATE ON PROJECT/PROGRAMME LEVEL INDICATORS OF THE LOGIC FRAMEWORK¹⁰					
<i>Project/Programme indicators (Mitigation/Adaptation)</i>	<i>Baseline</i>	<i>Current value¹¹</i>	<i>Target (mid-term)</i>	<i>Target (final)</i>	<i>Remarks (including changes¹², if any)</i>
Indicator 1 (Outcome level) <i>6.2 Mitigation: Number of households, and individuals (males and females) with improved access to low-emission energy sources</i>	Total: 227,273 households <i>1,000,000 Males: 490,000 Females: 510,000</i>	Total: 504,480 households <i>2,255,130 Males: 1,194,415 Females: 1,060,715</i>	Total: 681,818 households <i>3,000,000 Males: 1,470,000 Females: 1,530,000</i>	Total: 1,136,364 households <i>5,000,000 Males: 2,450,000 Females: 2,550,000</i>	
Indicator 1.1.1 (Output level) <i>Investment by local beneficiaries in purchasing ICS</i>	<i>10 million USD</i>	<i>12.67 million USD</i>	<i>21.35 million USD</i>	<i>42.7 million USD</i>	
Indicator 1.1.2 <i>No. of different types of stoves sold and total selling price by different types of ICS</i>	<i>1 million ICS sold</i>	<i>1,504,480 ICS sold</i> <i>Breakdown by ICS type in Section 2.3</i>	<i>3 million ICS sold</i>	<i>5 million ICS sold</i>	
Indicator 2.1.1 <i>Minimum number of households reached through</i>	<i>1,000,000</i>	<i>1,504,480</i> <i>Details in Section 2.3</i>	<i>3,000,000</i>	<i>5,000,000</i>	

⁶ Per the approved methodology in and the Logic Framework in the Funding Proposal, please provide an update on the relevant indicators.

⁷ As per the relevant indicators established in the Funding Proposal and the Performance Measurement Framework, including all indicators approved by the Board and relevant updates agreed with GCF, if applicable.

⁸ As of 31 December of the relevant year.

⁹ Related to the approved indicators and targets in the Logic Framework.

¹⁰ As per the relevant indicators established in the Funding Proposal and the Performance Measurement Framework, including relevant updates agreed with GCF, if applicable.

¹¹ As of 31 December of the relevant calendar year.

¹² Related to the approved indicators and targets in the Logic Framework or relevant FAA.

<i>different mass media campaigns</i>					
Indicator 2.1.2 <i>Number of professionals trained on modalities to accelerate uptake for ICS at household levels (males and females)</i>	1,818 <i>(218 female)</i> <i>(12%)</i>	3,190 <i>(405 female)</i> <i>(13%)</i>	3,600 <i>(540 female)</i> <i>(15%)</i>	4,800 <i>(864 female)</i> <i>(18%)</i>	
Indicator 2.2. <i>Number of initiatives by IDCOL: Impact Assessment, Indoor Air Pollution/Health Impacts and Financial Incentives</i>	0	3 in progress <i>Details in Section 2.3</i>	2	4	
Indicator 3.1 <i>Rate of inspection of stove usage</i>	18%	30% <i>Details in Section 2.3</i>	25%	25%	

SECTION 4: REPORT PROJECT SPECIFIC ON ENVIRONMENTAL AND SOCIAL SAFEGUARDS & GENDER

4.1 IMPLEMENTATION OF ENVIRONMENTAL AND SOCIAL SAFEGUARDS AND GENDER ELEMENTS

(max 1 page)

(1) The Improved cook stoves under the Program, are reducing the direct usage of solid biomass in everyday cooking. Biomass is the predominant source of fuel for cooking in Bangladesh, and fuel wood constitutes about 42% of it. Under these circumstances, ICS installed under the IDCOL Program are making a direct contribution to carbon emission reductions. The large-scale dissemination of tier 3 level thermal efficiency cook stoves has reduced the use of cooking fuel thus reducing pressure on forest ecosystems. During the reporting period, the installation of 135,458 ICS over 3 years has potentiality of reducing GHG emission by 0.495 million tonnes.

(2) According to the funding proposal, this Program is a Category C Program. Therefore, environmental assessment for this program is not required. However, the environmental impact of the program is regularly monitored. The primary environmental, health, and safety issues involve how ICS are manufactured, installed, and being used, which will ultimately reduce the adverse impact on the environment.

(3) *Implementation of management plans and programmes*

(i) activities implemented during the reporting period, including monitoring	(ii) outputs during the reporting period	(iii) key environmental, social and gender issues, risks and impacts addressed during implementation	(iv) any pending key environmental, social and gender issues needing accredited entity's actions and GCF attention
<p>(a) Visit ICS Production Centres by Environment unit of IDCOL.</p> <p>(b) Safety guideline for production centres has been provided to the POs and is being monitored.</p> <p>(c) Training conducted for POs to address environmental health and safety issues.</p>	<p>(a) Ensured regular monitoring of production centre.</p> <p>(b) Strengthened IDCOL's capacity for environmental and social safeguard management;</p> <p>(c) POs are more aware of environmental issues.</p>	<p>For the ICS Program, IDCOL prepared an environmental & social field observation format.</p> <p>Two training programs conducted to address field observations related to environmental and health safety compliance.</p>	<p>There are no such pending issues.</p>

IDCOL has prepared an Environmental and Social Management Framework (ESMF) and disseminated required safety guidelines for the production of ICS.

ICS disseminated under the Program have a warranty period of 1 year. The Program modality requires the POs to provide after-sales services for the ICS reported to IDCOL. This is regularly monitored by the quality inspection team. IDCOL has a call center for ICS Program to address grievances. All complaints are recorded and communicated to the responsible POs. The call center follows up with those customers after 7 days to check the status of the problem. If unsolved, IDCOL takes the necessary steps to resolve the issue.

Implementation of the stakeholder engagement plan

(i) activities implemented during the reporting period	(ii) dates and venues of engagement activities	(iii) information shared with stakeholders	(iv) outputs including issues addressed during the reporting period
<p>(a) Monthly Operations Committee (OC) meeting with POs.</p>	<p>(a) OC meeting held every month at IDCOL Head Office.</p>	<p>(a) Regular operational issues are discussed and resolved.</p>	<p>(a) Regular operational issues.</p>

Implementation of the grievance redress mechanism

(i) description of issues/complaints received during the reporting period	(ii) status of addressing issues/complaints
<p>Some PO staffs working in production centres were not aware of using safety equipment and storage of raw materials during ICS production.</p>	<p>These staffs were given training on safety and ensuring the quality of raw materials to ensure environmental safety and compliance during production.</p>

4.2 GENDER ACTION PLAN

In Bangladesh, mostly women are engaged in the process of cooking and collecting fuels. IDCOL ICS Program has focused on gender inclusion through various activities. The program has brought significant improvement in the female population within the community. Currently, a number of women are involved with awareness-raising programs for dissemination of ICS. They are also taking part in the production and management of ICS clusters, thereby playing a key role in managing the Program.

Some ICS POs under the program have a well-structured gender policy in practice. IDCOL assessed these policies and introduced an award for best gender-responsive performance. To become eligible for the award, IDCOL evaluated the POs in some gender-specific criteria: 1) PO's gender policy, 2) Participation of female in senior management and 3) Participation of female in overall staff composition, 4) Female engagement in promotional activities and trainings, and 5) PO's gender-responsive activities. In the Annual Review Meeting held on February 2019, IDCOL awarded 1 (one) PO for Best Gender Responsive Performance.

To ensure best practices, a regular session is being conducted in the Operations Committee meetings where the POs share their best practices of female participation and empowerment to the committee. IDCOL is currently working to revise the PO selection criteria under the program to make it more conducive for female headed POs.

4.2.1 PROGRESS ON IMPLEMENTING THE PROJECT-LEVEL GENDER ACTION PLAN SUBMITTED WITH THE FUNDING PROPOSAL.

Activities/actions	Indicators	Baseline	Targets, including sex-disaggregated targets	Budget	Report on annual progress
Technical assistance to enhance supplier capacity and increase the demand for improved cook stoves among end users to help create the necessary conditions for market growth to continue beyond the duration of the project	Provision of TA to POs for quality compliance in ICS production and monitoring of compliance of awareness activities will be continued; so that user training are to be provided to 70% HH members using ICS; who are mostly female.	0 percent	100 percent	As mentioned in the original gender action plan, the expenses are being met from overall budget as the program is integrated with other project activities.	This is being complied with. The user trainings are being provided by the POs during the time of installation. As IDCOL do not provide grant supports for unused stoves, the POs usually make multiple visit to the HH to train them. The trainings for the end user through the POs will be at 100 percent.
Enterprise development will consist of strengthening the gender mainstreaming capacity of the existing POs by a) encouraging women entrepreneurs to start ICS selling business and; b) encouraging existing POs to recruit more female staff members.	Special loan package will be designed and offered to female entrepreneurs so that by the end of the project female head POs constitute at least 20% of all POs. 40% of female workers are to be engaged in the ICS business of the POs.	0 percent	20 percent 40 percent		Currently among the 61 POs, 9 are female headed (15 percent). IDCOL is putting in an effort through gender trainings, workshops and incentives to increase this to the targeted 20 percent. We have initiated the award for female led PO that will support the expansion of other



					<p>POs into becoming female led organizations. Based on the response, we will work proactively to support female led initiatives in the future. As per the log-frame, 12% of the total training recipient will be female. As per our current data 15% staff under the program are female. We are working with gender experts to increase the same.</p>
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