

Standardized Crediting Framework Senegal Pilot: Listing template for Rural Electrification

Version history

Version	Date	Contents revised
1.0	06/07/2017	Initial adoption

I. GENERAL PROGRAM INFORMATION

			Ref No
1	Program title:	ASER Rural Electrification Program	
2	National Program Lead Institution:	ASER	
3	Program ID#	01	
4	SCF Pilot Methodology and version	Rural Electrification for Senegal, Version 1.0	
5	Program Contact: Name	Ousmane Fall Sarr	
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8	Program Start Date (DD/MM/YYYY)	01/10/2016	1
9	Crediting Period Start Date (DD/MM/YYYY)	01/10/2016	
10	Crediting Period End Date (DD/MM/YYYY)	31/12/2025	
11	Date of submission of this form (DD/MM/YYYY)	01/10/2017	

II. PROGRAM SITES/BOUNDARY

			Ref No
12	Geographic scope of the program (rural areas in Senegal only)	All rural areas in Senegal	2
a.	If provincial, specify provinces		
b.	If specific sites, provide GPS coordinates of all sites		

III. ELIGIBILITY CONDITIONS

13	<p>Program description (one to two paragraphs):</p> <p>The overall objective of the program is to contribute to the increase in rural electrification rates in Senegal from 24% in 2012 to 60% in 2017 and universal access in 2025 The Senegalese Rural Electrification Agency (ASER) has the responsibility to define strategy for rural electrification. To achieve national electrification goals ASER has, between 2000 and 2010, electrified more than 1,000 villages throughout the country, using the following technologies:</p>
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	<p>grid extensions, Solar Home Systems, and isolated mini-grids connected to diesel generators. Because of the last 10 years' energy crisis, ASER is facing many problems regarding the cost of fuel required for the operation of the installed diesel generators. The level of revenues collected in these villages cannot cover the operating costs. Thus, the Senegalese Government has decided since 2009 to initiate a two-track programme to dramatically scale up rural electrification:</p> <p>- One component of this is to finance the extension of the geographical coverage of the rural medium voltage (MV) lines in areas where these mini-grids have been installed, in order to displace diesel generators and connect the villages to the existing interconnected transmission and distribution network, as well as to increase the number of households and enterprises that have access to electricity.</p> <p>-In parallel, a second off-grid electrification component has also been launched to use solar home systems with energy efficient lamps, hybrid solar PV-diesel mini-grids and to distribute solar charged lanterns.</p> <p>The majority of the activities will be implemented through an innovative concession program that harnesses private sector finance, including international capital and expertise, to extend access to affordable energy services. For the main electrification effort, the country is divided into 10 concession areas, grouping a number of localities for which an international bidding process has been used to select the concessionaires. ASER and other entities may also be involved in the implementation of the activities at a national or sub-national scale to accelerate the scaling-up of the rural access to electricity services.</p> <p>This program is part of an overall rural electrification program undertaken by the Senegalese Government to scale up access to electricity in rural areas and contribute to poverty alleviation in these areas. The program includes the following technologies for providing electricity services: solar home systems, hybrid solar PV-diesel mini-grids, grid extension and solar lanterns. The technologies will displace fossil fuel-based electricity generation and lighting (e.g. kerosene) in households, as well as in other consumers' premises such as schools, health centres and SMMEs. The installation and the operation of equipment will be done mainly by private rural electrification concessionaires selected. ASER and other entities may also implement projects in selected localities</p>				
					Ref No
14	Which of the following technologies to increase access will be tracked under the program?				
	Connection to individual solar PV systems (e.g. solar home systems, solar water pumping, solar public lighting)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		3
	Connections to hybrid or renewable mini-grids (new, extended or rehabilitated)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		3
	Extension of a grid to supply new customers ¹	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		3
	Solar LED lanterns	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		3
15	Does the program comply with relevant national laws and regulations?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		4, 5
16	Does the program equipment comply the applicable national and/or international standards?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		6
17	For any program listed <i>after the pilot phase</i> , has the program, or parts of the program, <u>not</u> been registered with any other emission reduction standard or registry? If no, please add explanation (in this cell)	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes	<input type="checkbox"/> No	

¹ Because Senegal is a Least Developed Country (LDC), grid electrification activities are automatically additional according to the methodology

18	For any program listed <i>after the pilot phase</i> , have <u>no</u> GHG reductions from the program been sold directly to a third party prior to the submission to the SCF Pilot? If no, please add explanation below:	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
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IV. EMISSION REDUCTIONS AND MONITORING

				Ref No
19	Estimated annual emission reductions over crediting period (tCO ₂)	159,000		7,8
20	Has a detailed monitoring and operational plan been developed for the program? If not, by what date will it be in place (DD/MM/YYYY)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	9
21	Additional information (if any) - None			

V. STAKEHOLDER CONSULTATION

				Ref No
22	Is stakeholder consultation required to implement the program? (If no, explain reason): <i>consultation conducted already for CDM</i>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	10
23	If required, was stakeholder consultation conducted in compliance with the national requirements and based on international good practice as applicable?	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	
24	Were comments provided by local stakeholders taken into account, in compliance with the national requirements and based on international good practice, as applicable?	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	

VI. ENVIRONMENTAL IMPACT ASSESSMENT

				Ref No
25	Is an EIA required to implement the program? (If no, explain reason): Rural electrification activities are exempt from EIA requirements in Senegal	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	11
26	If required, was the EIA approved by the relevant national authority? Insert date of approval: DD/MM/YYYY	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	

VII. REFERENCES/DOCUMENTATION

Add extra lines as necessary.

Ref No	Description of documentation
1	Attached spreadsheet shows how ASER concessionaires report connections made on a weekly or monthly basis (example is for Comasel's St. Louis and Louga concessions for 22/08/2017). Households are considered "connected" when they receive interior wiring ("Nombre de branchements et installations intérieures réalisées"). A consolidated sheet for all concessions (including SENELEC), to be prepared during monitoring, will show which connections/systems were added after the program start date

	of 01/10/2016, and only those connections/systems will be included in the program for emission reductions.
2	Section A.5, Page 4 of the CDM Program of Activities (PoA) Design Document (DD), submitted as part of validation of the CDM PoA
3	Section A.6, Page 5 of the CDM PoA DD
4	“Emergent Senegal Plan: Priority Actions Plan 2014-2018” (2014), page 6, cites rural electrification as being part of one of the top priority national program;
5	Alignment with national policies is also explained in the MEDER report “Document de Formulation du Programme National d’Electrification Rurale” (2015)
6	The standards used throughout the ASER program are explained in Section A.6, Page 5-7 of the CDM PoA DD.
7	See spreadsheet “SCF ex-ante ER estimate”.
8	The target population and program goals for rural electrification are explained in the “Programme d’Electrification Rurale Pour le Senegal 2015-2025 – Plan d’Investissement” (2017)
9	Complete monitoring plan is presented in Part II, Section B.7 of the CDM PoA DD for each for the four technologies, on pages 37, 59, 78 and 95. The data needed for the SCF Pilot Monitoring Template will be drawn from these datasets collected for the CDM PoA, supplemented by additional data collected by ASER on monthly installations by all concessionaires.
10	Section F, Page 19 of CDM PoA DD
11	Section E, Page 18 of the CDM PoA DD