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CDM Executive Board

RESPONSE TO AN INCOMPLETE OF REQUEST FOR REGISTRATION OF "SENEGAL RURAL ELECTRIFICATION PROGRAM (10411)"

AENOR performed the validation of the Programme of Activities "Senegal Rural Electrification Program" located in Senegal.

The proposed PoA is a voluntary initiative by ASER, Senegalese Rural Electrification Agency, to encourage investments in rural electrification projects in view of increasing electricity access in rural Senegal. The POA has been designed using four generic CPA, one per technology:

- CPA Category 1: Mini-grids
- CPA Category 2: Grid extension
- CPA Category 3: Solar home systems
- CPA Category 4: Solar Lanterns

The request for registration was made on 03/11/2017; nevertheless, an "Incomplete" has been received during the *Information and reporting check process* on 05/02/2018. After a conference call made on 15/02/2018 with the Secretariat to discuss about the issues, we thank the CDM Executive Board and the Secretariat for giving us the opportunity to clarify about our considerations in validating the programme mentioned.

Please find below AENOR response to the issues raised by the request for clarification:

- 1. For CPA category 2, the approach to determine the $EF_{grid,CO_2,y}$ (Emission factor for the project electricity system in year y) is changed. The CPA-DD generic for CPA category 2 now applies ASB0034 for this parameter. The DOE is requested how the use of ASB0034, which provides the value of $EF_{grid,OM,y}$, $EF_{grid,BM,y}$ and $EF_{grid,CM,y}$, is in line with the applied methodology, as it does not have provisions to use $EF_{grid,OM,y}$, $EF_{grid,BM,y}$ or $EF_{grid,CM,y}$.**

A new POA-DD version 10.0 has been prepared in order to modify this grid emission factor used for Project emissions of CPAs of category 2. In accordance with paragraph 46 of the applied methodology AMS-III.BL, default value of 0.9 tCO₂/kWh is used. Option 3 (ii) of the methodology is chosen because of:

- The Programme is located in Senegal, least developed country (LDCs).
- National grid includes diesel and fuel oil power plants, with the vast majority of power from fuel oil plants. This has been crosschecked against SENELEC Annual Report 2015 (National Electricity Society) which is considered a confident and reliable source of information. Therefore, the value of 0.9

tCO₂/MWh is chosen from the table 6 of the applied methodology, and it is fixed ex-ante for all Category 2 CPAs.

POA-DD has been modified in section I.6.1 (pages 50-51 in tracked version) and section I.6.2 (page 55). Validation report has also been accordingly modified, section D.3.2.6 (pages 39 and 40).

- 2. For CPA category 3, page 60 of the PoA-DD says that the technology implemented is renewable energy systems comprising fixed, stand-alone solar photovoltaic systems. However, page 68 of the PoA-DD indicates that it includes individual hybrid energy systems. The DOE is requested to clarify if CPA category 3 will only include renewable energy system or if it also includes hybrid energy system.**

This question was clarified during the call, and the Secretariat confirmed that no modification needs to be made.

- 3. For CPA category 4, as per the applicability condition in the generic CPA-DD (PoA-DD page 77), only equipment that is tested and approved for Lighting Africa under the MQS is permitted in the PoA. However, this provision (i.e. only equipment that is tested and approved for Lighting Africa under the MQS is permitted in the PoA) is explicitly stated in the eligibility criteria.**

In order to solve this incomplete, unless the information was replicated in applicability conditions of the methodology and eligibility criteria for CPAs category 4, the testing and approval for Lighting Africa under the MQS is also included as a required condition to be included in the category 4 of CPAs. The POA-DD has been modified in Section K, page 90. The validation report has been also modified accordingly in pages 69-70.

- 4. The methodology AMS-III.BL has requirement that the number of consumers that will fall into each group or type, be estimated based on business plans or other similar project documents (paragraph 23). While the example of the ER calculation states the number of consumers is from the electrification plan, this requirement, however, has not been included in the generic CPA-DD for CPA categories 1, 2 and 3.**

A clarification paragraph detailing the type of document to be used to calculate the number of consumers that fall into each group is included in all the categories of CPA to be included into the POA (pages 25, 45 and 66). This is consistent with the document used for the ex-ante calculation, the Local Electrification Plans of Senegal. Validation report includes a statement confirming the consistency between the generic CPAs guidelines and the ex-ante estimates (pages 25, 40 and 52)