**SURINAME: Support to the Institutional and Operational Strengthening of the Energy Sector III (SU-L1036)**

**RESULTS MATRIX**

| **Objectives** | **Results** | **Indicators** | **Baseline** | | **Target (2016)** | | **Verification Means** |
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| **I. Macroeconomic Stability** | | | | |  | |  |
| I.1. Maintain a stable general Macroeconomic Framework | 1. Macroeconomic framework is consistent with the objectives of the program and with policy letter. | Technical opinion IAMC – Stable macroeconomic framework | *Baseline (2011): 1* | | 1 | | Valid Independent Assessment of Macroeconomic Conditions (IAMC). |
| **II. Development of a Sustainable Energy Framework** | | | | | | | |
| II.1. Define the regulatory and legal framework to contribute to a more effective power sector with increased efficiency, transparency and accountability. | 1. Electricity Law sent to parliament for approval by Parliament. | Electricity Law | *Baseline (2011): 0* | | 1 | | Report MNH |
| 1. Energy Authority Law sent to parliament for approval by Parliament. | Energy Authority Law | *Baseline (2011): 0* | | 1 | | Report MNH |
| 1. Increased electricity coverage. | Percentage of the population with access to electricity (%) | *Baseline (2010): 85* | | 90 | | Report MNH |
| II.2. Implementation of institutions with a view to having a commercially-based operation and clear social, economic and financial incentives to achieve efficiency. | 1. Decrease in EBS annual operating losses. | EBS annual operating losses (SRD million) | *Baseline (2010): 118* | | 55 | | Report EBS |
| II.3. Preparation of an expansion strategy to improve supply efficiency. | 1. A more reliable energy supply system. | System Average Interruption Duration Index (SAIDI) for the EPAR system. (Unit: hours/client). | *Baseline (2010):* 19.7 | | 18.1 | | EPAR operator (EBS) data and reports. |
| 1. Increased financial sustainability of power supply for interior locations. | Cost recovered / Total Cost for electricity supply to isolated systems in the Hinterland (%) | *Baseline (2011): 0* | | *40* | | MNH report |
| **III. Strengthen Sector Corporate Capabilities** | | | | | | | |
| III.1 Strengthen utility’s capabilities to operate by contributing to improvements in corporate governance, transparency and accountability. | 1. Increase of security in electricity supply | Number of Independent Power Producers (IPPs) supplying power to EBS | *Baseline (2014): 2* | *3* | | Report EBS | |
| 1. Technical and financial information of the electricity sector is available for consultation. | EBS annual report published online | *Baseline (2011): 0* | *1* | | EBS website | |
| 1. Power sector’s governance mechanisms are being improved. | A corporate governance action plan in implementation | *Baseline (2011): 0* | *1* | | Report EBS | |

| **Outputs - Conditions for Third Programmatic PBL (2016)** | **Means of Verification** | **Baseline (2014)** | **Target (2016)** | **Responsibility** |
| --- | --- | --- | --- | --- |
| **I. Macroeconomic Stability** | | | | |
| 1.       Macroeconomic framework is consistent with the objectives of the program and with policy letter | Valid Independent Assessment of Macroeconomic Conditions (IAMC) at the time of requesting the disbursement. | 1 | 1 | Verification by IDB |
| **II. Development of a Sustainable Power Sector Framework** | | | | |
| 2.      The Power Sector Policy that establishes the basic principles for a sustainable growth of the energy sector, consistently with its new legal and institutional structure has been approved by MNH. | Copy of the Presidential Resolution approving the Power Sector Policy. | 0 | 1 | MNH |
| 3.       The proposed draft legislation to regulate the Energy sector is presented to Parliament for its approval. | Official letter confirming that the draft legislation to regulate the Energy sector has been presented to Parliament with a copy of the draft legislation attached. | 0 | 1 | MNH |
| 4.       The proposed draft legislation to create an Energy Sector entity to regulate and manage the energy sector affairs is presented to Parliament for its approval. | Official letter confirming that the draft legislation that creates the Energy Authority of Suriname has been presented to Parliament with a copy of the draft legislation attached. | 0 | 1 | MNH |
| 5.      Price setting principles are reflected in the tariff schedule implemented by EBS. | 1. Official communication sent from the Council of Ministers to MNH confirming that the tariff adjustment was approved 2. Sample electricity bills before and after tariffs have been adjusted. 3. Screenshot from EBS’s website showing monthly publication of adjusted tariffs. | 0 | 1 | MNH and EBS |
| 6.       The new contract model has already been used for the purchase of additional power by EBS. | (i) Letter from EBS describing the Memorandum of Understanding (MOU) signed between EBS and Independent Power Producers (IPPs) in which the new PPA model will be used.  (ii) Copy of the Memorandum of Understanding (MOU) signed between EBS and Independent Power Producers (IPPs) in which the new PPA model will be used.  (iii) Letter from EBS informing the procedure to be followed by EBS in order to sign Power Purchase Agreements (PPA) with Independent Power Producers (IPPs), according to the provisions set forth in the Electricity Law. | 0 | 1 | EBS |
| 7.       Environmental and social sustainability principles are being implemented throughout the project cycle (planning to execution). | 1. Copy of letter from EBS’s CEO approving progress report from EBS’s Environmental Unit which describes how project plans have taken into account environmental and social sustainability assessment principles. 2. Copy of EBS’s Waste Management Plan that confirms that environmental and social sustainability principles are being implemented in the project cycle. 3. Copy of the Environmental Social Assessment (ESA) Report and the Environmental and Social Management Plan (ESMP) describing the mitigation measures to be implemented during the life of the substation construction and rehabilitation projects planned within the EPAR network under SU-L1039. | 0 | 1 | EBS |
| 8.       At least one feasibility study for the implementation of RETs to increase energy access has been completed. | 1. Letter from MNH confirming that a feasibility study has been completed for the implementation of RETs to increase energy access. 2. Copy of feasibility study for the implementation of RETs to increase energy access. | 0 | 1 | MNH |
| **III. Strengthen Sector Corporate Capabilities** | | | | |
| 9.   The EBS expansion plan is being executed. | 1. A letter from EBS’s CEO reporting on progress regarding the implementation of expansion projects as included in EBS Strategic Business Plan. 2. A Progress Report regarding the implementation of expansion projects, as included in the EBS Strategic Business Plan. | 0 | 1 | EBS |
| 10.    Fundamental technical recommendations from corporate assessment are being implemented. | 1. Letter from EBS’s CEO describing the progress on the implementation of technical recommendations from corporate assessment. 2. Copy of the Annual Operations Plan 2016 for the Program that supports the implementation of the EBS Investment Plan, and the 2015 semi-annual reports for the Program that supports the improvement of the sustainability of the electricity service, including actions towards the implementation of technical activities. | 0 | 1 | EBS |
| 11.    EBS is undertaking an update of its corporate and operational instruments, codes and laws, according to findings from corporate internal assessments. | (i) Letter from EBS’s CEO describing the ongoing activities related to the update of corporate instruments, according to findings from corporate internal assessments.  (ii) Copy of the document Herpositionering, Herstructurering & Reorganisatie van N.V. Energiebedrijven Suriname (Repositioning, Restructuring and Reorganization of EBS) addressing recommendations from previous corporate assessment studies.  (iii) Copy of the Annual Operations Plan 2016 for the Program that supports the implementation of the EBS Investment Plan, which includes actions towards EBS corporate restructuring. | 0 | 1 | EBS |