

ANNEX XI: OVERALL ENERGY SUPPLY AND DEMAND FOR THE PERIOD 2020-2030 – DETAILED TABLES

1 TOTAL SYSTEM

Table 1.1 – Energy demand and supply for the Total System

TOTAL SYSTEM	2020	2025	2030
System Demand (GWh)	1 173.2	1 715.1	2 297.6
Small Hydro (GWh)	29.7	124.7	240.2
Biomass (GWh)	39.5	68.1	87.7
Diesel (GWh)	333.0	608.2	168.8
Micro Biomass (GWh)	0.5	0.5	0.5
Micro Hydro (GWh)	0.0	0.5	0.6
Solar (GWh)	43.4	76.0	106.8
Hydro (GWh)	418.0	525.0	1 369.0
Imports (GWh)	309.2	312.0	324.0
Total Production (GWh)	1 173.2	1 715.1	2 297.6

2 ON-GRID SYSTEM

Table 2.1 – Energy demand and supply for the On-Grid System

ONGRID SYSTEM	2020	2025	2030
System Demand (GWh)	1 086.4	1 588.7	2 103.3
Small Hydro (GWh)	4.5	85.7	166.9
Biomass (GWh)	30.0	60.0	60.0
Diesel (GWh)	305.9	562.0	123.4
Micro Biomass (GWh)	0.0	0.0	0.0
Micro Hydro (GWh)	0.0	0.0	0.0
Solar (GWh)	28.0	56.0	84.0
Hydro (GWh)	418.0	525.0	1 369.0
Imports (GWh)	300.0	300.0	300.0
Total Production (GWh)	1 086.4	1 588.7	2 103.3

3 DECENTRALIZED SYSTEMS

Table 3.1 – Energy demand and supply for the Decentralized Systems

DECENTRALIZED SYSTEMS	2020	2025	2030
System Demand (GWh)	59.3	88.2	149.6
Small Hydro (GWh)	25.2	39.1	73.3
Biomass (GWh)	9.5	8.1	27.7
Diesel (GWh)	12.2	25.8	21.3
Micro Biomass (GWh)	0.0	0.0	0.0
Micro Hydro (GWh)	0.0	0.0	0.0
Solar (GWh)	3.3	3.3	3.3
Hydro (GWh)	0.0	0.0	0.0
Imports (GWh)	9.2	12.0	24.0
Total Production (GWh)	59.3	88.2	149.6

4 MINI-GRID SYSTEMS

Table 4.1 – Energy demand and supply for the Mini-Grid Systems

MINI GRID SYSTEMS	2020	2025	2030
System Demand (GWh)	24.4	33.9	39.6
Small Hydro (GWh)	0.0	0.0	0.0
Biomass (GWh)	0.0	0.0	0.0
HFO/Diesel (GWh)	14.9	20.5	24.0
Micro Biomass (GWh)	0.5	0.5	0.5
Micro Hydro (GWh)	0.0	0.5	0.6
Solar (GWh)	9.1	12.4	14.5
Hydro (GWh)	0.0	0.0	0.0
Imports (GWh)	0.0	0.0	0.0
Total Production (GWh)	24.4	33.9	39.6

5 INDIVIDUAL OFF-GRID SYSTEMS

Table 5.1 – Energy demand and supply for the Individual Off-Grid Systems

INDIVIDUAL OFF GRID SYSTEMS	2020	2025	2030
System Demand (GWh)	3.0	4.3	5.0
Small Hydro (GWh)	0.0	0.0	0.0
Biomass (GWh)	0.0	0.0	0.0
HFO/Diesel (GWh)	0.0	0.0	0.0
Micro Biomass (GWh)	0.0	0.0	0.0
Micro Hydro (GWh)	0.0	0.0	0.0
Solar (GWh)	3.0	4.3	5.0
Hydro (GWh)	0.0	0.0	0.0
Imports (GWh)	0.0	0.0	0.0
Total Production (GWh)	3.0	4.3	5.0