



Appendices to Presidential Regulation No. 112/2022 on Accelerating Development of Renewable Power Supply

APPENDIX I: MAXIMUM BENCHMARK PRICES

1. Hydropower Plants (from water flows/falls)

No.	Capacity	Maximum Benchmark Price (US cent/kWh)	
		1 st to 10 th year	11 th to 30 th year
1.	Up to 1 MW	11.23 x F	7.02
2.	> 1 MW up to 3 MW	10.92 x F	6.82
3.	> 3 MW up to 5 MW	9.65 x F	6.03
4.	> 5 MW up to 20 MW	9.09 x F	5.68
5.	> 20 MW up to 50 MW	8.86 x F	5.54
6.	> 50 MW up to 100 MW	7.81 x F	4.88
7.	> 100 MW	6.74 x F	4.21

2. Hydropower Plants (from Reservoirs/Dams or Irrigation Canals Owned by the Government with Multipurpose Construction Characteristics)

No.	Capacity	Maximum Benchmark Price (US cent/kWh)	
		1 st to 10 th year	11 th to 30 th year
1.	Up to 1 MW	11.23 x 0.8 x F	7.02 x 0.8
2.	> 1 MW up to 3 MW	10.92 x 0.8 x F	6.82 x 0.8
3.	> 3 MW up to 5 MW	9.65 x 0.8 x F	6.03 x 0.8
4.	> 5 MW up to 20 MW	9.09 x 0.8 x F	5.68 x 0.8
5.	> 20 MW up to 50 MW	8.86 x 0.8 x F	5.54 x 0.8
6.	> 50 MW up to 100 MW	7.81 x 0.8 x F	4.88 x 0.8
7.	> 100 MW	6.74 x 0.8 x F	4.21 x 0.8

3. Hydropower Plant Expansions

No.	Capacity	Maximum Benchmark Price (US cent/kWh)	
		1 st to 10 th year	11 th to 30 th year
1.	Up to 1 MW	11.23 x 0.7 x F	7.02 x 0.7
2.	> 1 MW up to 3 MW	10.92 x 0.7 x F	6.82 x 0.7
3.	> 3 MW up to 5 MW	9.65 x 0.7 x F	6.03 x 0.7
4.	> 5 MW up to 20 MW	9.09 x 0.7 x F	5.68 x 0.7
5.	> 20 MW up to 50 MW	8.86 x 0.7 x F	5.54 x 0.7
6.	> 50 MW up to 100 MW	7.81 x 0.7 x F	4.88 x 0.7
7.	> 100 MW	6.74 x 0.7 x F	4.21 x 0.7

4. Hydropower Plants for Excess Power

No.	Capacity	Maximum Benchmark Price (US cent/kWh)
1.	All Capacity	5.80 x 0.7

5. Solar Power Plants*

No.	Capacity	Maximum Benchmark Price (US cent/kWh)	
		1 st to 10 th year	11 th to 30 th year
1.	Up to 1 MW	11.47 x F	6.88
2.	> 1 MW up to 3 MW	9.94 x F	5.97
3.	> 3 MW up to 5 MW	8.77 x F	5.26
4.	> 5 MW up to 10 MW	8.26 x F	4.96
5.	> 10 MW up to 20 MW	7.94 x F	4.76
6.	> 20 MW	6.95 x F	4.17

6. Solar Power Plant Expansions*

No.	Capacity	Maximum Benchmark Price (US cent/kWh)	
		1 st to 10 th year	11 th to 30 th year
1.	Up to 1 MW	11.47 x 0.8 x F	6.88 x 0.8
2.	> 1 MW up to 3 MW	9.94 x 0.8 x F	5.97 x 0.8
3.	> 3 MW up to 5 MW	8.77 x 0.8 x F	5.26 x 0.8
4.	> 5 MW up to 10 MW	8.26 x 0.8 x F	4.96 x 0.8
5.	> 10 MW up to 20 MW	7.94 x 0.8 x F	4.76 x 0.8
6.	> 20 MW	6.95 x 0.8 x F	4.17 x 0.8

7. Solar Power Plants on Land Procured by Government*

No.	Capacity	Maximum Benchmark Price (US cent/kWh)	
		1 st to 10 th year	11 th to 30 th year
1.	Up to 1 MW	11.47 x 0.95 x F	6.88 x 0.95
2.	> 1 MW up to 3 MW	9.94 x 0.95 x F	5.97 x 0.95
3.	> 3 MW up to 5 MW	8.77 x 0.95 x F	5.26 x 0.95
4.	> 5 MW up to 10 MW	8.26 x 0.95 x F	4.96 x 0.95
5.	> 10 MW up to 20 MW	7.94 x 0.95 x F	4.76 x 0.95
6.	> 20 MW	6.95 x 0.95 x F	4.17 x 0.95

8. Wind Power Plants*

No.	Capacity	Maximum Benchmark Price (US cent/kWh)	
		1 st to 10 th year	11 th to 30 th year
1.	Up to 5 MW	11.22 x F	6.73
2.	> 5 MW up to 20 MW	10.26 x F	6.15
3.	> 20 MW	9.54 x F	5.73

9. Wind Power Plant Expansions*

No.	Capacity	Maximum Benchmark Price (US cent/kWh)	
		1 st to 10 th year	11 th to 30 th year
1.	Up to 5 MW	11.22 x 0.7 x F	6.73 x 0.7
2.	> 5 MW up to 20 MW	10.26 x 0.7 x F	6.15 x 0.7
3.	> 20 MW	9.54 x 0.7 x F	5.73 x 0.7

10. Biomass Power Plants

No.	Capacity	Maximum Benchmark Price (US cent/kWh)	
		1 st to 10 th year	11 th to 25 th year
1.	Up to 1 MW	11.55 x F	9.24
2.	> 1 MW up to 3 MW	10.73 x F	8.59
3.	> 3 MW up to 5 MW	10.20 x F	8.16
4.	> 5 MW up to 10 MW	9.86 x F	7.89
5.	> 10 MW	9.29 x F	7.43

11. Biomass Power Plant Expansions

No.	Capacity	Maximum Benchmark Price (USD cent/kWh)	
		1 st to 10 th year	11 th to 25 th year
1.	Up to 1 MW	11.55 x 0.8 x F	9.24 x 0.8
2.	> 1 MW up to 3 MW	10.73 x 0.8 x F	8.59 x 0.8
3.	> 3 MW up to 5 MW	10.20 x 0.8 x F	8.16 x 0.8
4.	> 5 MW up to 10 MW	9.86 x 0.8 x F	7.89 x 0.8
5.	> 10 MW	9.29 x 0.8 x F	7.43 x 0.8

12. Biogas Power Plants

No.	Capacity	Maximum Benchmark Price (US cent/kWh)	
		1 st to 10 th year	11 th to 20 th year
1.	Up to 1 MW	10.18 x F	6.11
2.	> 1 MW up to 3 MW	9.81 x F	5.89
3.	> 3 MW up to 5 MW	8.99 x F	5.39
4.	> 5 MW up to 10 MW	8.51 x F	5.10
5.	> 10 MW	7.44 x F	4.46

13. Biogas Power Plant Expansions

No.	Capacity	Maximum Benchmark Price (US cent/kWh)	
		1 st to 10 th year	11 th to 20 th year
1.	Up to 1 MW	10.18 x 0.8 x F	6.11 x 0.8
2.	> 1 MW up to 3 MW	9.81 x 0.8 x F	5.89 x 0.8
3.	> 3 MW up to 5 MW	8.99 x 0.8 x F	5.39 x 0.8
4.	> 5 MW up to 10 MW	8.51 x 0.8 x F	5.10 x 0.8
5.	> 10 MW	7.44 x 0.8 x F	4.46 x 0.8

14. Biomass or Biogas Power Plants for Excess Power

No.	Type of Power Plant	Maximum Benchmark Price (US cent/kWh)
1.	Biomass Power Plant	9.29
2.	Biogas Power Plant	7.44

15. All Geothermal Power Plants

a. Electrical Power

No.	Capacity	Maximum Benchmark Price (US cent/kWh)	
		1 st to 10 th year	11 th to 30 th year
1.	Up to 10 MW	9.76 x F	8.30
2.	> 10 MW up to 50 MW	9.41 x F	8.00
3.	> 50 MW up to 100 MW	8.64 x F	7.35
4.	> 100 MW	7.65 x F	6.50

b. Steam Power Equivalent to Electricity

No.	Capacity	Maximum Benchmark Price (US cent/kWh)	
		1 st to 10 th year	11 th to 30 th year
1.	Up to 10 MW	6.60 x F	5.60
2.	> 10 MW up to 50 MW	6.25 x F	5.31
3.	> 50 MW up to 100 MW	5.48 x F	4.65
4.	> 100 MW	4.48 x F	3.81

16. Solar, Hydro, Wind, Biomass or Biogas Power Plants Built by Central or Regional Government, Including Those Originating from Grants

No.	Power Plant Type	Maximum Benchmark Price (US cent/kWh)
1.	Hydro Power Plant	3.76
2.	Solar Power Plant	5.63
3.	Wind Power Plant	5.63
4.	Biomass Power Plant	9.29
5.	Biogas Power Plant	7.44

APPENDIX II: LOCATION FACTOR

No.	Region	Multiple to be Applied (Any Capacity)
1.	Java, Madura, Bali	1.00
	- Small Islands	1.10
2.	Sumatera	1.10
	- Riau Island	1.20
	- Mentawai	1.20
	- Bangka Belitung	1.10
	- Small Islands	1.15
3.	Kalimantan	1.10
	- Small Islands	1.15
4.	Sulawesi	1.10
	- Small Islands	1.15
5.	Nusa Tenggara	1.20
	- Small Islands	1.25
6.	North Maluku	1.25
	- Small Islands	1.30
7.	Maluku	1.25
	- Small Islands	1.30
8.	West Papua	1.50
9.	Papua	1.50

Note:

* Excludes Battery Facility or Other Electrical Energy Storage Facility