

No. 318/38/2018-GCRT
Government of India
Ministry of New & Renewable Energy

Block No. 14, CGO Complex
Lodhi Road, New Delhi
Date: 25 July 2019

OFFICE MEMORANDUM

Subject: Benchmark costs for Off-grid Solar PV Systems and Solarisation of Grid Connected Agricultural Pumps for the Year 2019-20 –reg.

I am directed to convey the approval of competent authority for issuing of the benchmark costs for Off-grid Solar PV Systems and Solarisation of Grid Connected Agricultural Pumps for the Year 2019-20. System-wise benchmark costs are as under:

(i) **Standalone Solar Pumps**

Pump Capacity	Pump Type	Benchmark Cost (Rs. / HP)	
		General Category States	NER/ Hill States/ Island UTs
0.5 HP	AC/DC Surface	53000*	58300*
	AC/DC Submersible	68000*	74800*
1 HP	AC Surface	102000	112200
	AC Submersible	113000	124300
	DC Surface	108000	118800
	DC Submersible	119000	130900
2 HP	AC Surface	65000	71500
	AC Submersible	76000	83600
	DC Surface	73000	80300
	DC Submersible	86000	94600
3 HP	AC Surface/ Submersible	67000	73700
	DC Surface/ Submersible	74000	81400
5 HP	AC Surface/ Submersible	56000	61600
	DC Surface/ Submersible	66000	72600
7.5 HP	AC/DC Surface/ Submersible	56000	61600
10 HP	AC/DC Surface/ Submersible	51000	56100

* Benchmark cost *per system* instead of per HP shown for 0.5 HP solar pumps

(ii) **Solar Lighting Systems**

System	Benchmark Costs (Rs./Wp)	
	General Category States	North Eastern States/Hill States/ Island UTs
Solar Study Lamps	160	176
Solar Street Lights (with Li batteries)	299	328

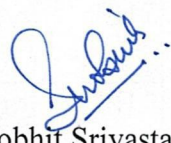
(iii) **Standalone Solar Power Plants/Packs**

Capacity	Battery back-up (hrs)	Benchmark Costs (Rs./Wp)	
		General Category States	North Eastern States/Hill States/ Island UTs
Up to 10 kW	6	94	103
	3	74	81
	1	62	68
Above 10 kW and up to 25 kW	6	84	92
	3	66	72
	1	55	60

(iv) **Solarization of Grid-connected Agriculture Pumps**

Capacity	Benchmark Costs (Rs./Wp)	
	General Category States	North Eastern States/Hill States/ Island UTs
Up to 10 kW	54	59
Above 10 kW	48	52

2. The above benchmark costs are inclusive of total system cost and its installation, commissioning, transportation, insurance, five year AMC/CMC, and applicable fees and taxes.


(Shobhit Srivastava)
Scientist-C

To

All Concerned

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