

No. 318/33/2019-Grid Connected Rooftop  
Government of India  
Ministry of New & Renewable Energy

\*\*\*

Block No. 14, CGO Complex  
Lodhi Road, New Delhi  
Date: 16<sup>th</sup> July 2019

**OFFICE MEMORANDUM**

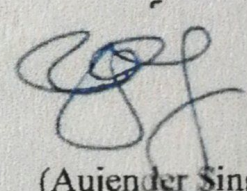
Subject: Benchmark costs for Grid Connected Rooftop Solar Power Plants for the Year 2019-20 -reg,

\*\*\*\*\*

In continuation to this Ministry's OM no. 318/38/2018-GCRT dated 15<sup>th</sup> June 2018, the undersigned is directed to say that benchmark costs for Grid Connected Rooftop Solar Power Plants for the Year 2019-20 will be as under:-

Capacity	Benchmark cost (Rs/Wp) other than Special Category States	Benchmark cost (Rs/Wp) for Special category States which includes North Eastern States, Hilly States of Uttarakhand, Himachal Pradesh, J&K and UTs of Andaman & Nicobar Island and Lakshadweep
Above 1 kW and upto 10 kW	54	59
Above 10 kW and upto 100 kW	48	53
Above 100 kW and upto 500 kW	45	50

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.



(Aujender Singh)

Deputy Secretary to the Government of India

Email: [aujender.singh@nic.in](mailto:aujender.singh@nic.in)

Phone:011-24360707 extn 1029

To

All Concern

Copy to Dir. (NIC) to upload this on the Ministry's website.

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

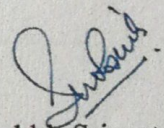
(iii) **Standalone Solar Power Plants/Packs**

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**

Copy to Dir. (NIC) to upload this on the Ministry's website

**OFFICE MEMORANDUM**

Subject: Benchmark costs for Off-grid Solar PV Systems and Grid Connected Rooftop Solar Power Plants for the Year 2018-19 –reg.

I am directed to convey the approval of competent authority for issuing of the benchmark costs for Off-grid Solar PV Systems and Grid Connected Rooftop Solar Power Plants for the Year 2018-19. System-wise benchmark costs are as under:

(i) **Solar Pumps**

Pump Capacity (HP)	Benchmark Costs (Rs./HP)	
	General Category States	North Eastern States/Hill States/ Island UTs
Up to 3 HP DC	85000	93500
> 3 HP - 5 HP DC	77000	84700
Up to 3 HP AC	80000	88000
> 3 HP - 5 HP AC	65000	71500

(ii) **Solar Lighting Systems**

System	Benchmark Costs (Rs./Wp)	
	General Category States	North Eastern States/Hill States/ Island UTs
Solar Lamps	250	275
Solar Street Lights		
i. With Lead Acid battery	300	330
ii. With Li-Ion battery	435	475

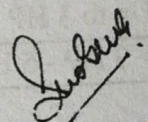
(iii) **Standalone Solar Power Plants/Packs**

Capacity (kW)	Battery back-up (hrs)	Benchmark Costs (Rs./Wp)	
		General Category States	North Eastern States/Hill States/ Island UTs
Up to 10	6	100	110
	3	80	88
	1	68	75
Above 10 and up to 25	6	90	99
	3	72	79
	1	61	67

(iv) **Grid Connected Rooftop Solar Power Plants**

Capacity	Benchmark Costs (Rs./Wp)
Above 1 kW and up to 10 kW	60
Above 10 and up to 100 kW	55
Above 100 kW and up to 500 kW	53

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 Concern

Copy to Dir. (NIC) to upload this on the Ministry's website.