

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

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Block No. 14, CGO Complex  
Lodhi Road, New Delhi  
Date: 25 June 2020

**ORDER**

**Subject: Benchmark costs for Off-grid Solar PV Systems for the Year 2020-21 –reg.**

I am directed to convey the approval of competent authority for issuing of the benchmark costs for Off-grid Solar PV Systems for the Year 2020-21. System-wise benchmark costs are as under:

**(i) Standalone Solar Pumps**

Pump Capacity	Pump Type	Benchmark Cost (Rs. per Pump)	
		General Category States/ UTs	North Eastern States/Hill States & UTs/ Island UTs
0.5 HP	AC/DC Surface	53,000	58,300
	AC/DC Submersible	68,000	74,800
1 HP	AC/DC Surface	92,400	1,01,700
	AC/DC Submersible	1,03,700	1,14,100
2 HP	AC/DC Surface	1,22,200	1,34,600
	AC/DC Submersible	1,31,400	1,44,600
3 HP	AC/DC Surface	1,63,200	1,79,700
	AC/DC Submersible	1,68,300	1,85,400
5 HP	AC/DC/Surface/Submersible	2,36,500	2,60,500
7.5 HP	AC/DC/Surface/Submersible	3,52,500	3,87,750
10 HP	AC/DC/Surface/Submersible	4,45,000	4,45,000

**(ii) Solar Lighting Systems**

System	Benchmark Costs (Rs. per system)	
	General Category States/ UTs	North Eastern States/Hill States & UTs/ Island UTs
Solar Study Lamps*	395	437
Solar Street Lights# (with Li batteries)	19,400	21,340

\* Solar study lamp with 2.5 Wp solar panel, 1 W LED luminaire and 3.2 V – 2000 mAh Li battery as per MNRE specifications.


# Solar street lights with 75 Wp solar panel, 12 W LED luminaire and 12.8 V – 30 Ah Li battery as per MNRE specifications.

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

Capacity	Battery back-up (hrs)	Benchmark Costs (Rs. per Wp)	
		General Category States/ UTs	North Eastern States/Hill States & UTs/ 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

2. Above mentioned benchmark costs will come into effect from the date of issue of this Order. However, the cases wherein the tender has been finalized as on the date of issuance of this Order but Letter of Award (LoA) is yet to be placed, benchmark costs for FY 2019-20 issued vide Order dated 25.07.2019 will be applicable, provided that the LoA is placed by 15.07.2020. From 16.07.2020 onwards, above benchmark costs will be applicable in all cases under Ministry's programmes.

3. All the above benchmark costs are for systems installed as per MNRE specifications inclusive of the total system cost and its installation, commissioning, transportation, insurance, comprehensive maintenance charges for five years, online monitoring and applicable fees and taxes.

  
(Shobhit Srivastava)  
Scientist-D

To

**All Concerned**