

No. 32/24/2020-SPV Division  
Government of India  
Ministry of New & Renewable Energy  
\*\*\*

Block No. 14, CGO Complex  
Lodhi Road, New Delhi  
Date: 26 October 2021

**ORDER**

**Subject: Amendment in Benchmark costs for Off-grid and Decentralized Solar PV Systems for the year 2021-22 –reg.**

Vide Order of even number dated 18.08.2021, benchmark costs including taxes, were issued for FY 2021-22 by the Ministry. Subsequently, applicable Goods & Services Tax (GST) rates have been revised by GST Council for solar energy applications/ projects. In view of these recent changes in GST rates and such changes in GST rates in future, it has been decided to issue benchmark costs for decentralized solar applications, without GST. For the purpose of MNRE CFA, applicable GST rates may be added to these benchmark costs. Accordingly, undersigned is directed to convey the approval of competent authority for issuing the amended benchmark costs, without GST, for Off-grid and Decentralized Solar PV Systems applicable for MNRE Schemes for the year 2021-22. System-wise benchmark costs are as under:

**(i) Standalone Solar Pumps**

Pump Capacity	USPC	Benchmark Costs (Rs. / pump) without GST*	
		General States/ UTs	NER/ Hill States & UTs/ Island UTs
1 HP	without USPC	96877	105509
2 HP	without USPC	123691	134802
3 HP	without USPC	166299	181175
	with USPC	199540	217447
5 HP	without USPC	234618	255647
	with USPC	281542	306795
7.5 HP	without USPC	326079	355371
	with USPC	374931	408631
10 HP	without USPC	407897	444536
	with USPC	469054	511202

\* Cost of solar pump as per MNRE specifications including remote monitoring

**(ii) Solarization of Grid-connected Individual Agricultural Pumps**

Capacity	Above 1 kW and up to 3 kW	Above 3 kW and up to 6 kW	Above 6 kW and up to 10 kW	Above 10 kW and up to 15 kW
Benchmark cost (Rs./kW) without GST #	44,352	43,250	40,679	37,649

# Cost of solarization (Rs./kW) as per MNRE specifications including remote monitoring

**(iii) Solar Lighting Systems**

System	Benchmark Costs (Rs. per system) without GST
Solar Study Lamps <sup>^</sup>	376
Solar Street Lights (with Li batteries) <sup>§</sup>	13039

<sup>^</sup> 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


<sup>§</sup> Solar street lights with 75 Wp solar panel, 12 W LED luminaire and 12.8 V – 30 Ah Li battery as per MNRE specifications

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

Capacity	Battery back-up (hrs)	Benchmark Costs (Rs. per Wp) <sup>@</sup> without GST	
		General Category States/ UTs	North Eastern States/Hill States & UTs/ Island UTs
Up to 10 kW	6	86	94
	3	68	74
	1	56	62
Above 10 kW and up to 25 kW	6	77	84
	3	60	66
	1	50	55

<sup>@</sup> Cost of solar power plant (Rs./Wp) as per MNRE specifications including remote monitoring

2. Above mentioned benchmark costs are applicable from the 18.08.2021 i.e. the date of issuance of original Order for benchmark costs for FY 2021-22. All the above benchmark costs are inclusive of total cost of system as per MNRE specifications and its installation, commissioning, transportation, insurance, warranty/ guarantee, monitoring and maintenance for 5 years. All other terms and conditions mentioned in the Order dated 18.08.2021 remain unchanged.

  
(Shobhit Srivastava)  
Scientist-D

To

**All Concerned**