Annexure-3

To Date:

The Dy. General Manager (Solar)

CESC Ltd

Sub: Certificate Of Fitness For Grid-Connected Rooftop Solar Photovoltaic (PV) Systems (RSPVS) Under Net-Metering / Net-Billing / Gross Metering Arrangement

Sir/Madam,

This has reference to my/our application no… ..... dated…… for installation of Grid interactive rooftop Solar PV system under Net Metering / Net Billing/ Gross Metering arrangement.

I/We confirm that I/We have completed the installation of the grid connected Rooftop Solar PV system and necessary tests were carried out to determine correct operation of islanding, generation of harmonics and power quality parameters of the Rooftop Solar PV Systems, as specified in the West Bengal Electricity Regulatory Commission (Grid Interactive Rooftop Solar Photovoltaic System for Prosumers)Regulations, 2025 and Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2023 . A copy of the certificate of fitness is enclosed herewith.

I/We also confirm that I/We shall maintain and operate the Rooftop Solar PV System in a manner such that it does not pose any threat or cause any damage to the distribution network of CESC Limited. I/We further confirm to rectify any defect in the Rooftop Solar PV Systems which may affect its operation adversely.

Signature of the Eligible Consumer

Name of the Eligible Consumer…….

Consumer/Customer Id……

Enclosures:

1. Certificate of Fitness
2. Test Reports

Annexure-3

CERTIFICATE OF FITNESS

Rooftop Solar PV Plant of _kW

Date of Installation:

Solar Module Model No.	Make:	No. of Modules: Individual Capacity:	Total Capacity (kW):
Inverter Details:	Make:	Model No.:	
No. of Inverters Installed:	AC Capacity of individual Inverter (kW):	Total AC capacity of Inverter (kW):	Serial No(s).:
GPS Co-ordinates of the Rooftop Solar PV Systems Installation:		Rooftop Solar PV Systems with battery back-up: (Yes/No)	

Installed at premises no. _____, Kolkata _____

[Pursuant to our engagement by _____ [name of Eligible Consumer], we have inspected the above captioned Rooftop Solar PV system on _____] "or" [I / We, [name of the Eligible Consumer], have carried out the test in presence of representatives of CESC Limited on ____].

Upon such inspection it is hereby certified that the above Rooftop Solar PV system with installed capacity of _____kW, manufactured by _____, conforms to the specifications mandated by the West Bengal Electricity Regulatory Commission (Grid Interactive Rooftop Solar Photovoltaic System for Prosumers) Regulations, 2025. In particular and without prejudice to the foregoing, the said Solar PV system conforms to correct operation of islanding, generation of harmonics and other Power Quality parameters as per limits specified in the relevant Regulations published by the Central Electricity Authority. The Rooftop Solar PV system is found to be technically fit and suitable for connectivity with the distribution network of the Distribution Licensee.

This certificate is valid for a period of one year and is subject to periodic renewal. The validity of this certificate is further subject to operation, maintenance and rectification of any defect in the Rooftop Solar PV Systems in a manner which ensures that its connectivity does not pose any threat or damage to the distribution network.

[Signature with seal]

Of the Authorized Vendor / Eligible Consumer

Date :

Place :

Test Format for
Issuance of Certificate of Fitness of Rooftop Solar Photovoltaic Systems

Reference No. : ..... ***Date :.....***

Consumer Name : ..... Consumer

No : ..... Address

: .....

.....

Test for : New Installation / Periodic Checking (√ the appropriate)

Details of Solar PV Generator

Solar Module Model No.:	Make:	No. of Modules: Individual Capacity:	Total Capacity (kW_p):
Inverter Details:	Make:	Model No.:	
AC Capacity of Inverter (kW):		GPS (up to 6 decimal places):	
Inverter Serial No.:		Rooftop Solar PV Systems with battery back-up: **Yes/No** (√ the appropriate) If Yes, Capacity of Battery:	

The performance/functionality of the Inverter along with Solar PV Generator was checked/tested for the following parameters:

a) Anti-islanding test *(As per IEC 62116/IEC 61727):*

Voltage at the inverter terminal (with grid synchronised for testing purpose) : R-N:..... Y-N:..... B-N:.....

Voltage at inverter terminal after grid failure : R-N:..... Y-N:..... B-N:.....

*Anti-islanding (**As per IEC 62116/IEC 61727**) : **Ok / Not Ok** (√ the appropriate)*

b) % THD in Voltage - Measured at..... hours, during load-off condition:

Permissible Voltage Distortion Limits (As per IEEE 519 : 2014)	
Voltage Level	THD (%)
V <1.0 kV	8.0
1kV <V<= 69 kV	5.0
69 kV <V<= 161 kV	2.5

Voltage Distortion				
Voltage Level :				
Condition	THD (%) Measured			
	R-N	Y-N	B-N	Overall
RSPVS OFF				
RSPVS ON				
*As per IEEE-519 : **Ok/Not Ok**(√ the appropriate)*				

Power Generated by Rooftop Solar PV Systems (as available in the inverter display panel / measured) Watt

Current by Rooftop Solar PV Systems (during Rooftop Solar PV Systems ON without load): Measured :.....A : Inverter Display A

c) Manual Isolation Switch for Battery Back-up System : **Yes/No** (√ the appropriate)

d) Other Observations/Remarks (if any).....

e) **Test Equipment Used:**

Type:.....; Make:.....; Sl No.:.....; Last Calibration Details:.....

Test Carried Out By Authorised Agency / Eligible Consumer: Name :.....
Signature:.....

Encl : a) Single Line Diagram schematic diagram (to be furnished by the customer) : **Yes / No**
b) Manufacturer's test certificates (to be furnished by the customer) : **Yes / No**

N.B : Empaneled Third Party agency has carried out the test / the Eligible Consumer carried out the test in presence of CESC's representative.

This sheet is to be used for one inverter. For multiple inverters, kindly use multiple sheets.