Issuance of certificate of fitness of solar power generation system (SPGS)

Reference number . :   Date . :

Consumer Name   :

Consumer No   :

Address   :

Test for   :   New Connection / Periodic checking (✔ the appropriate)

Details Of Solar PV Generator

Solar Module Model No .:	Make .:	No. of Modules : Individual Capacity :	Total Capacity :
Inverter Details :	Make :	Model No.	
AC Capacity of Inverter (KW) :		GPS (Up To 6 Decimal Places) :	
Inverter Serial No.		SPGS with battery Backup : **Yes /No** (✔ The appropriate) If Yes , Capacity Of Battery : …………………………..	

The Performance / Functionality of the Inverter along with the 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<=69KV	5.0
69 KV<V<=161 KV	2.5

Voltage Distortion				
Voltage Level : ……..				
Condition	THD (%) Measured			
	R-N	Y-N	B-N	Overall
SPGS OFF				
SPGS ON				
As per IEEE-519: Ok/ Not Ok(✔ appropriate)				

Power generated by SPGS (as
available in the inverter display panel / measured……………… Watt

Current by SPGS (during SPGS ON without load) : Measured :…………………. A ; Inverter display : …………… A
c) Manual Isolation switch for battery backup 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. : Empanelled third party agency has carried out the test / The eligible consumer carried out the test in
       Presence of WBSEDCL's Representative .