



Serial No.....

(For office use only)

CENTRAL ELECTRICITY BOARD

Application Form to be filled and forwarded together with processing fee to the MSDG Unit, Corporate Planning & Research Department, Corporate Office, P.O Box 134, Rue du Savoir, Cybercity Ebène,.

Tel No.: (230) 404 2000 Fax No.: (230) 454-7630 / 7632

Note: No parts of this application form shall be modified upon submission. Incomplete submission of information will entail delays in processing your application

Medium Scale Distributed Generation (above 50 kW and up to 200 kW) Application Form

1.0	Applicant Information		For office use only
1.1	Name of Applicant / Company		
1.2	Name & Title of Contact Person (if applicable)		
1.3	Postal address		
1.4	Contact telephone number	Office: Mobile:	
1.5	Fax number		
1.6	Tax Account Number		
1.7	VAT Registration Number (if applicable)		
1.8	Business Registration Number (if applicable)		
1.9	Email address		

2.0	Installer details ¹		For office use only
2.1	Installer		
2.2	Accreditation/qualification		
2.3	Postal address		
2.4	Contact person		
2.5	Telephone number		
2.6	Fax number		

¹ At the start of this project until further notice, the CEB shall accept a 'Certificate' from the supplier of the equipment certifying that the installer is well-versed with the installation of the equipment. Furthermore, the topics covered and the duration of the training shall be mentioned on the 'Certificate'.

3.0	Project details		For office use only
3.1	Site/project address		
3.2	Telephone number (project site)		
3.3	Business Partner Number (please refer to your electricity bill or alternatively attach a recent electricity bill) ²		
3.4	Contract Account Number (please refer to your electricity bill or alternatively attach a recent electricity bill) ²		
3.5	Expected installation commencement date		
3.6	Expected commissioning date		

² Applicable to Greenfield projects, to submit the following together with the application form:

- a) Copy of the Business Registration Card
- b) Copy of Certificate of incorporation
- c) Copy of Identification Card
- d) A letter of Power Attorney (if applicable)

4.0	MSDG details		For office use only
4.1	MSDG location within the installation	To submit site and location plan	
4.2	Type of RE technology (photovoltaic/ hydro/ wind/biomass)	To submit manufacturer data sheet	
4.3	Type of generator (synchronous/induction/ inverter-based)	To submit manufacturer data sheet	
4.4	Total number of MSDG units to be installed under this project, to include MSDG installation capacity in kW and kVA	No. of Panels:ofkW each Total kW _{ac} : Total kVA :	
4.5	Expected annual generation (kWh)		
4.6	Any other existing SSDG/MSDG operating on installation site (Yes/No)	If yes, to specify Total kW : Total kVA :	

5.0	Other information to be submitted	For office use only
5.1	<u>Type test certificate</u> of RE technology (photovoltaic/ hydro/ wind/biomass) thereon including the following information:	
	<ul style="list-style-type: none">• Manufacturer and model type	
	<ul style="list-style-type: none">• Country of origin	
	<ul style="list-style-type: none">• Standard of compliance ³	
	<ul style="list-style-type: none">• Contact details of Certifying Laboratory– telephone number, web address etc	
5.2	<u>Type test certificate</u> of generator (synchronous/induction/ inverter-based) thereon including the following information:	
	<ul style="list-style-type: none">• Manufacturer and model type	
	<ul style="list-style-type: none">• Country of origin	
	<ul style="list-style-type: none">• MSDG current rating (A), voltage rating (V), rated power factor and frequency (Hz)	
	<ul style="list-style-type: none">• Maximum peak short circuit current (A)	

	Other information to be submitted (cont.)	For office use only
	<ul style="list-style-type: none"> Standard of compliance ³ 	
	<ul style="list-style-type: none"> Contact details of Certifying Laboratory – telephone number, web address etc 	
5.3	Copy of the existing Electrical set up indicating connection point for the MSDG system.	
5.4	Site layout plan showing location of MSDGs and other major electrical equipment installed including the Joint Use Facility –	
5.5	Procedures for the isolation of MSDG installation	
5.6	Complete sequence of operations: <ul style="list-style-type: none"> (a) In normal mode (b) Upon loss of mains (operation of MSDG protections; changeover sequence; starting of standby sets; interlocking between changeover & MSDG; where is decoupling performed) (c) On restoration of grid power 	
5.7	Complete set of specifications of the equipment to be used in the Joint Use Facility (busbar, isolators, circuit breakers, enclosure, etc...)	

³All MSDGs to submit certificate of compliance with the Electrical Equipment Safety Regulations and the Electromagnetic Compatibility Regulations (CE Marked). PV installations to submit certificates that the panels are to IEC 61215 for crystalline silicon and IEC 61646 for thin film silicon. Wind installations to submit certificates that the wind turbine is as per IEC 61400-2.

MSDG Guaranteed Particulars

(All information given hereunder should be substantiated by documents from the Manufacturer)

6.0	MSDG Guaranteed Particulars						
Item. No.	Protection Parameters Settings		Required settings		To specify System settings		
			Trip Setting	Clearance Time	Trip Setting	Clearance Time	Trip Indication Provided
6.1	Over Voltage (a) (400 V + 9 %) ⁴		436 V	0,2 s			
6.2	Over Voltage (400 V + 6 %)		424 V	1,5 s			
6.3	Under Voltage (400 V – 8 %)		368 V	3 s			
6.4	Over Frequency (b) (50 Hz + 2 %)		51 Hz	0,5 s			
6.5	Under Frequency (50 Hz - 6 %) ⁴		47 Hz	0,5 s			
6.6	Loss of Mains	df/dt	2.5 Hz / s	0,5 s			
		Vector shift	10 degrees				
6.7	Islanding Detection		Yes				
6.8	Isolated Generation possible		Yes / No				
6.9	Reconnection Time		3 minutes				
6.10	Max. DC Current injection to grid (in case of inverter-based)		To specify				
6.11	Rated AC output Current per phase (A)		To specify				
6.12	Total Harmonics Distortion (Voltage)		To specify				
6.13	Total Harmonics Distortion (Current)		To specify				
6.14	Surge Withstand Capability (kV)		To specify				
6.15	Power Factor (leading & lagging)		0.95				
6.16	Will local Switch after production meter have visible contacts?		Yes				
6.17	Will local Switches after production meter have lock facilities in open position?		Yes				
6.18	Will Earthing System be TT?		Yes				

Item. No.	Protection Parameters Settings	Required settings	To specify System settings
6.19	Will Batteries be Installed?	Yes / No	
6.20	Documentation on relays to be used on low-voltage side	To submit	
6.21	Likely generation profile	To submit	
6.22	Is inverter equipped with Maximum Power Point Tracking (MPPT) (in case of inverter)	Yes / No	

⁴For No. 6.1 and No.6.4 see Table 3 of the MSDG Grid Code (50 kW to 200 kW).

7.0 Declaration – to be completed by applicant*	
Comments (use separate sheet if necessary)	
(a) I declare that this installation will be designed to comply with the requirements of CEB as detailed in prevailing MSDG Grid Code (50 kW to 200 kW).	
(b) I declare that I shall adhere to the Grant of Permit and Proclamation procedures for MSDG installation as detailed in CHAPTER 2 - of the MSDG Grid Code (50 kW to 200 kW).	
(c) I declare that I have been informed of the conditions associated with the prevailing MSDG Scheme.	
Name (BLOCK LETTERS):	
Signature:	
Date:	

* This field is mandatory to complete before submission.