



NATIONAL POWER GRID COMPANY

PROCEDURE TO ISSUE GREEN CERTIFICATES FOR ELECTRIC POWER GENERATED FROM RENEWABLE ENERGY SOURCES

CODE TEL: 03.11.

Revision : 5.

-2015-



PROCEDURE TO ISSUE GREEN CERTIFICATES
FOR ELECTRIC POWER GENERATED FROM
RENEWABLE ENERGY SOURCES

Code: TEL 03.11

Page 1/21

Rev. 0 1 2 3 4 **5**.

Approved,

Ion-Toni TEAU
Directorate Chairman

Ion SMEEIANU
Directorate Member

Octavian LOHAN
Directorate Member

***PROCEDURE TO ISSUE GREEN CERTIFICATES
FOR ELECTRIC POWER GENERATED
FROM RENEWABLE ENERGY SOURCES***

CODE TEL: 03.11.

ANRE endorsement no. 33 / 01.10.2015

Revision : **5**.
Copy 1

Endorsed:

Director, Commercial Division
Gheorghe VISAN

Chief Inspector, Integrated Management
Marin STEFAN

Verified by:
Head, Managed Markets Dept.
Marian OBRETIN

Elaborated by:
Head, Green Certificates Dept
Dan-Dumitru COCEA

Copyright:

This procedure is the property of the **National Power Grid Company TRANSELECTRICA SA**. Partial or total multiplication or utilisation of this document is allowed only with the written agreement of the managerial team of **TRANSELECTRICA SA**



**PROCEDURE TO ISSUE GREEN CERTIFICATES
FOR ELECTRIC POWER GENERATED FROM
RENEWABLE ENERGY SOURCES**

Code: TEL 03.11

Page 2/21

Rev. 0 1 2 3 4 5.

Document reviewed:

**Name: PROCEDURE TO ISSUE GREEN CERTIFICATES FOR ELECTRIC POWER
GENERATED FROM RENEWABLE ENERGY SOURCES**

Code: 03.11.

No . re v	Reviewed part	Content of the revision	Author of revision	Date
			Name / surname	Signature
1.	Title Chap.5 Chap. 6 Art.5.b,c, f Chap. 7 Art. 6(2) Art. 7 si 8 Chap. 8 Art. 10 Chap. 10 Art. 13(1) si 17 Art. 15(2) Chap. 11 Art. 22 Annexes 2,3,4,6,7 & 8	Procedure for issuance of green certificates to the electricity generators producing it from renewable energy sources a) The Energy Law 13/2007 was amended f) GD 958/18.08.2005 was introduced h) Order 22/2006 of ANRE approving the Regulation to organise and run the Green Certificates Market was updated The terms were updated and all amendments were made according to the Regulation approved under Order 22/2006 of ANRE The signification of the indicative was changed, which from 01.02.2007 defines the month of E-SRE generation The old titles of the Strategy, Planning, Marketing Division and of the Department Justifying the Power Market Contracts were updated Update as per the Regulation approved by Order 22/2006 of ANRE and amendments from this Procedure Changes were made as required by the changed logo. Changes were made mirroring those in the Commercial Division. Updating the issuance flow of CV (GC) in the Commercial Division	Gabriela Cretu Dan Cocea	January 2007 September 2007
2.	Logo Chap.11.Art.2 Annex 8		Dan Cocea	November 2011
3.	Entire Procedure: Chapter 5 item b); Chapter 6.2.2, It is added item vi.- new Chapter 7. .item 7.1.2. is re - written; item 7.1.4 is re-written. Annex 1 is redefined acc. to the provisions of Order 56/19.07.2013 of ANRE	Update in the provisions of revision 3 of this Procedure given the amendments of the domestic legislation in the sector (Law 220/2008, amended and added by GEO 88/2011 and Order 43/2011 of ANRE), which had to be harmonised with the regulations of the European Legislation and with the European Commission's requirements in the energy sector for electricity from renewable sources. Update in the provisions of revision 4 of this Procedure given the amendments of the domestic legislation in the sector by GEO 57/04.06.2013 and Order 56/19.07.2013 of ANRE	Dan Cocea	July 2013
4.	3. Definitions – the definition of electronic signature was added Chapter 7. item 7.3.3. is re-written item 7.3.6. is re-written	Update in the provisions of revision 5 of this Procedure given the amendments of the domestic legislation in the sector and the intoduction of electronic signature for notifications of green certificates being issued. Update of the validity period of the CV (green certificate) as per the amendments of Law 220/2008 establishing the promotion system for electricity generated from renewable sources	Dan Cocea	October 2014
5.	Entire procedure	Update in the provisions of revision 4 of this Procedure after enforcement of Order 4/2015 of ANRE approving the Regulation for Green Certificates issuance	Dan Cocea	February 2015

TABLE OF CONTENTS

1. PURPOSE
2. DOMAIN OF APPLICATION
3. DEFINITIONS
4. ABBREVIATIONS
5. REFERENCE DOCUMENTS
6. RESPONSIBILITIES / OBLIGATIONS
7. MODE OF OPERATION
8. TRANSIENT AND FINAL PROVISIONS

ANNEXES

- Annex 1** – Demand to be recorded in the Register for beneficiaries of green certificate and for the green certificates issued;
- Annex 2** – Communication about the record in the Register for beneficiaries of green certificate and for the green certificates issued;
- Annex 3** – Information transmitted to the transmission and system operator by the certified economic operator for issuance of green certificates;
- Annex 4** – Hourly quantities of electricity from the notifications transmitted by the certified economic operators that own dispatchable power parks;
- Annex 5** – Hourly quantities of electricity delivered by certified economic operators that own dispatchable power parks;
- Annex 6** – Hourly quantities of electricity delivered additionally above the physical notifications by the dispatchable power parks generating electricity from renewable energy sources that belong to certified economic operators;
- Annex 7** – Structure of the numerical code of the green certificate;
- Annex 8** – Communication regarding the green certificates issued;
- Annex 9** – Template of monthly reporting by the transmission and system operator to the National Regulatory Authority in the Energy domain.

1. PURPOSE

This procedure stipulates:

- 1.1. Activities that should be performed by economic operators certified by the National Regulatory Authority in the Energy Domain in order to be granted green certificates based on the electricity quantities generated from renewable sources;
- 1.2. The manner in which green certificates are issued;
- 1.3. The involved parties and their obligations in the process of green certificates issuance;
- 1.4. Cancellation circumstances of green certificates and / or suspension of green certificates issuance;

2. DOMAIN OF APPLICATION

This procedure is applied by:

- 2.1. The transmission and system operator in its capability of green certificates issuer;
- 2.2. Certified economic operators, including the natural persons certified by the National Regulatory Authority in the Energy domain, in their capacity of beneficiaries of the promotion system for green certificates;
- 2.3. Network operators to whose grids are connected the power parks generating electricity from renewable sources, with a view to acknowledge the electricity outputs delivered by the power parks of certified economic operators.

3. DEFINITIONS

- 3.1. The terms used in this procedure are defined by Law 220/2008, republished, with later amendments and additions, and also in the *Regulation for issuance of green certificates* approved by Order 4/2015 of ANRE, as

well as in the *Regulation for qualification of the electricity output under high efficiency cogeneration and for the verification and monitoring of the fuel consumption and of the useful electricity and heat outputs under high efficiency cogeneration approved by Order 114/2013 of ANRE.*

3.2. To the purpose of this procedure, the terms below are defined as follows:

- a) **Recovered green certificates** – green certificates that **have been deferred for transaction, including for transfer from the producer's account into the supplier's account, in accordance** with the provisions of article 6 par (2¹) of Law 220/2008 determining the promotion system for electricity generated from renewable energy sources, republished, with later amendments and additions and are issued for transaction according to the terms of the Regulation for issuance of green certificates approved by Order 4/2015 of ANRE;
- b) **Additional green certificates** – green certificates mentioned in article 6 par (4) & par (5) of Law 220/2008, republished, with later amendments and additions, issued to certified economic operators for the electricity outputs generated from renewable energy sources under high efficiency cogeneration and biomass from energy crops, determined according to the certification decision issued by the National Regulatory Authority in the Energy domain;
- c) **Qualification decision** - document issued by the National Regulatory Authority in the Energy domain to an economic operator for its power parks / units generating electricity under high efficiency cogeneration based on the provisions of Annex 3 to the Regulation for issuance of green certificates, approved by Order 4/2015 of ANRE;
- d) **Certification decision** – document issued by the National Regulatory Authority in the Energy domain to an economic operator for its power parks / units generating electricity generated from renewable sources based on the provisions of *Order 48/2014 of ANRE approving the Regulation to certify electricity generators from renewable energy sources that apply the promotion system by means of green certificates, with later amendments and additions;*
- e) **Register for beneficiaries of green certificates and for green certificates issued** – register constituted and kept up-to-date by the Transmission and System Operator, where the economic operators are recorded since they are certified to apply the promotion system of green certificates, respectively the green certificates granted to them as well as other information necessary in the monitoring of green certificates issuance;
- f) **Electronic signature** – data in electronic format that are attached or logically associated with other data in electronic format and serve as ID method, in the sense provided by Law 455 / 18 July 2001 on the electronic signature.

4. ABBREVIATIONS

- a) **CV** – green certificate;
- b) **SRE** – renewable energy sources;
- c) **E-SRE** – electricity generated from renewable energy sources;
- d) **ANRE** – National Regulatory Authority in the Energy domain;
- e) **TSO** – Transmission and System Operator (CNTEE Transelectrica SA);
- f) **OR** – Operator of electric network;
- g) **OPCV** – Operator of the green certificates market (Operator of the Electricity and Natural Gas Markets OPCOM SA);
- h) **CNCV** – numerical code of the green certificate;
- i) **CPT** – technological consumption;
- j) **OEA** – certified economic operator, including the natural person certified by ANRE to apply the promotion system by green certificates;
- k) **Law** - Law 220/2008 determining the promotion system for electricity generated from renewable energy sources, republished, with later amendments and additions.



5. REFERENCE DOCUMENTS

Prezenta procedură are la bază prevederile următoarelor documente de referință:

- a) Electricity and natural gas law 123/2012, with later amendments and additions;
- b) Law 220/2008 determining the promotion system for electricity generated from renewable energy sources, republished, with later amendments and additions;
- c) Regulation for issuance of green certificates, approved by Order 4/2015 of ANRE;
- d) Regulation to certify electricity generators from renewable energy sources that apply the promotion system by green certificates, approved by Order 48/2014 of ANRE, **with later amendments and additions**;
- e) Regulation for qualification of the electricity output under high efficiency cogeneration and for verification and monitoring of fuel consumption and of the useful electricity and heat outputs under high efficiency cogeneration, approved by Order 114/2013 of ANRE.

6. RESPONSIBILITIES / OBLIGATIONS

6.1. TSO in its capability of CV issuer has got the following responsibilities / obligations:

- a) Constituting and updating the Register for beneficiaries of green certificates and green certificates issued;
- b) Reviewing the documents transmitted by the OEA in order to be recorded in the Register for beneficiaries of green certificates and green certificates issued;
- c) Requesting the information to be added in the documents mentioned in letter a), if need be;
- d) Recording the OEA in the Register for beneficiaries of green certificates and green certificates issued;
- e) Informing the OEA about such record in the Register for beneficiaries of green certificates and green certificates issued;
- f) Reviewing the documents transmitted by the OEA and requesting / supplementing them, if need be, in order to issue the CV;
- g) Validating the calculations sent by the OEA according to annex 2 to the Regulation for issuance of green certificates approved by Order 4/2015 of ANRE;
- h) Issuing CV for the OEA;
- i) Regulating the issued CV every time it is necessary and informing the OEA, ANRE and OPCV about it;
- j) Cancelling the CV and/or ceasing the CV issuance under the terms from the Regulation for issuance of green certificates approved by Order 4/2015 of ANRE;
- k) Recording in the Register for beneficiaries of green certificates and green certificates issued- the number of CV issued for each OEA, the number of CV issued for transaction, the number of CV deferred from transaction, including the transfer from the producer's account into the supplier's account to comply with the annual compulsory quota to procure CV, as well as the number of CV cancelled;
- l) Notifying to the OEA and for information copies to ANRE and OPCV, the number and numerical codes of the CV issued into their account and available for transaction, the number of CV deferred from transaction and from transfer from the producer's account into the supplier's account to comply with the annual compulsory quota to procure CV, respectively the number of CV recovered and their codes as they are issued, as well as the number and numerical codes of cancelled CV;
- m) Protecting the electronic system used for CV issuance by means of some dedicated software elaborated by SCTeletrans SA (subsidiary of CNTEE Transelectrica SA), in order to prevent frauds;
- n) Transmitting monthly to ANRE in electronic format - excel and pdf with electronic signature - until the end of each calendar month a monitoring report about CV issuance in the preceding month;
- o) Maintaining the justifying documents based on which the CV were issued as long as the promotion system by CV is used;
- p) Verifying the total quantities of SRE provided in article 3 par (1) letters e)-g) from the Law written in the certificates of origin provided in article 3 par (9) of the Law, transmitted every semester by the OEA to the TSO, which should be at least equal to the sum of SRE amounts used in generating E-SRE, beneficiary of CV, stated monthly to the TSO whenever CV issuance is demanded,
- q) Publishing monthly on its own website and updating the information about:

- List of the OEA recorded in the Register for beneficiaries of green certificates and green certificates issued;
- Electric units / parks that belong to the OEA;
- E-SRE beneficiary of CV;
- CV issued to each OEA, broken down by CV issued for transaction and CV deferred from transaction, including from transfer from the producer's account into the supplier's account with a view to procure the annual compulsory quota of CV.

6.2. OEA, in its capacity of Certified Economic Operator, has the following responsibilities / obligations:

- a) Transmitting to the TSO the demand to be recorded in the Register for beneficiaries of green certificates and green certificates issued, accompanied by necessary documents;
- b) Correcting, upon the TSO's request, (if need be), the documents submitted for OEA recording in the Register for beneficiaries of green certificates and green certificates issued;
- c) Transmitting periodically to the TSO the documents necessary for CV issuance and completing / correcting them (if need be);
- d) Notifying to the TSO any decision to amend / suspend / withdraw the certification by ANRE, within 53 week-days from receipt;
- e) Updating the documents submitted for record in the Register for beneficiaries of green certificates and green certificates issued when CV are issued, each time changes occur.

7. MODE OF OPERATION

7.1. OEA RECORDING IN THE REGISTER FOR BENEFICIARIES OF GREEN CERTIFICATES AND FOR GREEN CERTIFICATES ISSUED:

7.1.1 With a view to be recorded in the Register for beneficiaries of green certificates and green certificates issued OEA transmits to the TSO a record demand elaborated as per Annex 1 to this procedure, accompanied by copies of the following documents:

- a) Licence of commercial operation of the E-SRE generation capacity, issued by ANRE, in case of the holder of licence for commercial operation of the E-SRE generation;
- b) Certification decision issued by ANRE;
- c) Registration certificate with the National Office of the Commercial Register.

7.1.2. In case the documentation provided in item 7.1.1 is not complete the TSO asks the OEA, by e-mail and fax, to complete it within 3 week-days from the OEA's transmission date of the record demand.

7.1.3. The TSO records the OEA in the Register for beneficiaries of green certificates and green certificates issued within 2 week-days from the date when the recording documentation is complete.

7.1.4. The TSO informs the OEA by e-mail and fax about its being recorded in the Register for beneficiaries of green certificates and green certificates issued by sending a notification according to annex 2 to this procedure.

7.1.5. The OEA is recorded in the Register for beneficiaries of green certificates and green certificates issued either based on the preliminary certification decision transmitted to the TSO or based on the licence for commercial operation of electricity generation capacities and the certification decision of ANRE, after completing the testing period of the power park.

7.1.6. OEA sends to the TSO any change occurring in the documents transmitted for record in the Register for beneficiaries of green certificates and green certificates issued, within 3 week-days from their occurrence.

7.2. ISSUANCE OF GREEN CERTIFICATES

7.2.1. Documents needed in order to have CV issued

7.2.1.1. In order to benefit of CV the OEA transmits monthly to the TSO, by e-mail to comercial.certificate.verzi@transelectrica.ro and/or by fax to no. **021/30.35.847**, signed and, according to

each case, stamped, the information about the E-SRE quantities delivered / consumed in the precedent month, according to the provisions of annex 3 to this procedure, accompanied by the minutes they concluded with the OR confirming the metered values of the delivered E-SRE, as well as the information about the hourly electricity amounts notified / delivered/ additionally delivered against notifications, as per annexes 4, 5 and 6 to this procedure, **in case of dispatchable units** generating electricity. The hourly amounts of E-SRE that are delivered additionally above the notifications, specified in Annex 6, are determined using the following calculation formula:

$$E(NF)_{E_{LS}} = \sum_{z=1}^{31} \sum_{h=1}^{24} (M_{hz} - N_{hz}) \text{ for the hourly intervals when } M_{hz} > N_{hz} \text{ (MWh)}$$

where:

$E(NF)$ electricity delivered additionally by the dispatchable units generating electricity compared to the electricity quantities from the hourly physical notifications transmitted to the TSO,

N_{hz} amount of electricity notified for hour ,h' of day ,d' by the electricity generator from renewable energy sources to the transmission and system operator,

M_{hz} amount of electricity delivered for hour ,h' of day ,d' by the electricity generator from renewable energy sources,

h – hour

z - day

7.2.1.2. In case the OEA delivers E-SRE to its own consumption places / to the consumers connected to the busbars of the power parks it holds, it will send to the TSO:

- Every month-** the metered values of the E-SRE generated / delivered / consumed, stated on its own liability or recorded in minutes signed together with consumers,
- Every semester-** minutes confirming the metered values of the electricity amounts generated / consumed for the technological consumption of the power park / delivered to one's own consumption places / to the consumers connected to the busbars of the power park generating E-SRE, signed together with the OR. In case of certified natural persons, such minutes can be transmitted annually.

7.2.1.3. In addition to the provisions of items 7.2.1.1 and 7.2.1.2, as the case may be, OEA transmit to TSO:

- The metered hourly values of E-SRE generated / consumed, in case of OEA that according to the certification decision from ANRE is obliged to transmit the metered data regarding the electricity consumed from the electric network when the power park was in operation;
- The metered hourly values of E-SRE generated / delivered to one's own consumption places / to the consumers connected to the busbars of the power park generating E-SRE, in case of OEA supplying one's own consumption places / the consumers connected to the busbars of the E-SRE generating power park;
- The OEA generating E-SRE from biomass or SRE coming from biomass transmits to the TSO **each month a statement on its own liability showing the SRE used for the E-SRE output CV is requested for is not, namely it does not come from imported biomass and every semester** – the certificates of origin of the SRE as well as the analysis bulletins specifying the lower heat power for each type of SRE used, according to the provisions of article 9 par (8) & (9) from the Regulation for issuance of green certificates approved by Order 4/2015 of ANRE.

7.2.1.4. The OEA that holds / commercially operates:

- A power park comprising power units classified in different categories as regards the number of CV granted for every 1MWh.
- A power plant comprising both power units using SRE and power units using fossil fuels,
- A power park using SRE assigned to different categories as regards the number of CV granted for each 1MWh.

transmits to the TSO the values of electricity amount generated by each unit in the previous month / from each kind of SRE benefitting of the same number of CV granted for every 1 MWh, accompanied by the full documentation determining the E-SRE quantity benefitting of CV, by SRE types, if need be, according to the provisions of annex 2 to Regulation for issuance of green certificates approved by Order 4/2015 of ANRE.

7.2.1.5. In case the preliminary certifications becomes full certifications during one calendar month the OEA transmits to the TSO the documents signed together with the OR, as necessary to establish the E-SRE beneficiary of CV corresponding to each period of the respective calendar month.

7.2.1.6. To benefit of additional CV for high efficiency electricity generated in cogeneration power plants the OEA should transmit to the TSO the qualification decision for the quantity of electricity produced under high efficiency cogeneration issued by ANRE based on the Regulation provided in chapter 5 letter e) of this procedure.

7.2.1.7. OEA that holds / commercially operates a power park comprising power units falling in different categories as regards the time interval when the CV promotion system is granted transmits to the TSO the metered values of the electricity generated by each unit in the previous month, beginning with the first calendar month when one or several units belonging to the power park do no longer benefit of the promotion system.

7.2.1.8. OEA is answerable for the accuracy of data and information transmitted to the TSO to have CV issued, pending false statement sanction.

7.2.1.9. In case the OEA found out the data it had transmitted to the TSO are wrong it will forthwith correct them after such finding / remedying the inconsistencies ascertained to its own units, according to the terms of article 6 letter e), respectively of article 7 par (1) letter d) from the Regulation for issuance of green certificates approved by Order 4/2015 of ANRE.

7.2.2. Determining the quantity of E-SRE which CV are granted for

7.2.2.1. Depending on the metered data transmitted by OEA to the TSO, specified in the certification decision issued by ANRE, the E-SRE amount which CV are granted for is determined as being:

a) the electricity generated in power parks producing from SRE, of which the electricity quantity is subtracted necessary to cover the technological consumption of the respective power parks, or

b) the electricity generated in power parks producing from SRE and supplying into the electric network of the OR and/or to the end consumers of electricity, of which the quantity of electricity is deducted that was consumed from the electric network during the operational period of the power park:

$$\underline{E(SRE-CV) = E(LRE) + E(LC) - E(C) \quad [MWh]},$$

where:

E(SRE-CV) - E-SRE that benefits of CV;

E(LRE) - electricity generated from SRE and delivered into the electric network of the OR;

E(LC) - electricity generated from SRE and delivered to consumers connected to the power plant busbars, including to own consumption places of certified economic operators found on the same location with the power park, others than those associated to one's own technological consumption;

E(C) - electricity consumed from the electric network during the operational period of the power park;

7.2.2.2. In case of dispatchable units:

a) the quantity of E-SRE which CV is granted for is equal to the amount of electricity provided in item 7.2.2.1. whereby are subtracted the electricity quantities delivered above the hourly physical notifications transmitted to the OTS by the OEA;

$$\underline{E(SRE-CV) = E(LRE) + E(LC) - E(C) - E(NF) \quad [MWh]},$$

where:

E(SRE-CV) - E-SRE benefitting of CV;

E(LRE) - electricity generated from SRE and delivered into the electric network of the OR;

E(LC) - electricity generated from SRE and delivered to consumers connected to the park busbars, including to the own consumption places of certified economic operators found on the same location with the power park, others than those associated to one's own technological consumption;

E(C) – electricity consumed from the electric network during the operation of the power park;

E(NF) – electricity delivered above the quantities from hourly physical notifications sent to the TSO by the dispatchable units generating electricity.

b) OTS verifies the data transmitted by the OEA about the electricity delivered additionally by such units compared to the available information from the Balancing Market Platform and in case inconsistencies are found it asks the OEA to correct the data transmitted for CV issuance, by e-mail and fax, within 3 week-days from the transmission date.

7.2.2.3. In case of OEA holding / commercially operating dispatchable power parks belonging to only one dispatchable entity, the quantity of E-SRE benefitting of CV from each power park comprised within such dispatchable entity is distributed proportionally with the electricity generated and delivered into the electric network and / or to consumers by each one of the respective power parks.

7.2.2.4. By exception from the provisions of item 7.2.2.1, in case of an OEA holding / commercially operating power parks as provided in 7.2.1.4, the E-SRE which CV is granted for will be determined as per the provisions of annex 2 to the Regulation for issuance of green certificates approved by Order 4/2015 of ANRE.

7.2.2.5. In case of an OEA holding / commercially operating power parks comprising both power units included in the commercial operation licence for electricity generating capacities and power units in the testing period that have no meters for the electricity generated by each unit / category of units, the E-SRE benefitting of CV from the two categories of units will be distributed proportionally with the ratio between the installed capacity of each kind of power unit and the total capacity of the power park specified in the establishment permit from ANRE.

7.2.2.6. E-SRE produced in high efficiency cogeneration beneficiary of additional CV according to the provisions of article 6 par (4) from the Law is set under decision of ANRE, in accordance with the specifications of annex 1 to the Regulation for issuance of green certificates approved by Order 4/2015 of ANRE.

7.2.3. Determining the number of CV issued

7.2.3.1. The TSO issues CV, monthly within 5 week-days beginning with the transmission day by certified economic operators of the full accurate information demanded as per chapter 7.2.1, a number of CV equal to the product between the E-SRE quantity determined according to chapter 7.2.2 and the number of CV per MWh provided in the certification decision of ANRE.

7.2.3.2. Out of the number of CV issued according to item 7.2.3.1, a number of CV is deferred from transaction, as well as from transfer from the producer's account into the supplier's account to fulfill the annual compulsory quota of CV procurement, as per the provisions of article 6 par (2¹), (2³) and (2⁴) from the Law.

7.2.3.3. In case of power parks generating E-SRE from biomass or from SRE originating in biomass, the TSO issues additional CV as follows:

- a) Each month for the E-SRE from power crops;
- b) Each semester for the E-SRE produced under high efficiency cogeneration, determined in accordance of the provisions from item 7.2.2.6.

7.2.3.4. In the process of CV issuance, the electricity quantities exceeding the E-SRE necessary to issue 1 (one) CV are carried forward from one month to another until an amount of E-SRE is reach to issue one CV.

7.2.3.5. In case the OEA does not transmit to TSO the electricity metered values as necessary to determine the E-SRE benefitting of CV the TSO issues CV taking into account the minimum E-SRE quantity from the two periods in accordance with item 7.2.1.5.

7.2.3.6. CV is issued in electronic format and has got the structure from annex 7 to this procedure.

7.2.3.7. Communications about the number of green certificates issued are elaborated according to annex 8 to this procedure and are electronically signed by the responsible person for CV issuance from CNTEE



**PROCEDURE TO ISSUE GREEN CERTIFICATES
FOR ELECTRIC POWER GENERATED FROM
RENEWABLE ENERGY SOURCES**

Code: TEL 03.11

Page 10/21

Rev. 0 1 2 3 4 5.

Transelectrica SA and by the manager of the unit comprising this responsible person for CV issuance. Certificates are sent to the OEA and carbon copy to OPCV, by e-mail and upon request by fax, containing at least the following information:

- a) The name of OEA;
- b) The address of OEA;
- c) Issuance number and date of the Licence for commercial operation of electricity generating capacities, if need be;
- d) Issuance number and date of the Certification decision;
- e) The power park / unit that are being certified and their installed capacity;
- f) The type of SRE;
- g) The total number of CV issued, the number of CV issued for transaction, respectively the number of CV deferred from transaction including the transfer from the producer's account into the supplier's account in order to observe the annual compulsory quota of CV procurement;
- h) The numerical codes of the CV issued for transaction;
- i) Date of CV issuance;
- j) Number of CV cancelled and their numerical codes;

7.2.3.8. The number of CV deferred from transaction, including the transfer from the producer's account into the supplier's account in order to observe the annual compulsory quota of CV procurement, is recorded in distinct manner for each OEA in the Register for beneficiaries of green certificates and green certificates issued and is monthly communicated to OEA, ANRE and OPCV.

7.2.3.9. The CV codes mentioned in item 7.2.3.8 are notified to OEA, ANRE and OPCV during their issuance by the TSO.

7.2.3.10. Issuing CV deferred from transaction, including transfer from the producer's account into the supplier's account in order to observe the annual compulsory quota of CV procurement, are done according to the provisions of article 16 from the Regulation for issuance of green certificates approved by Order 4/2015 of ANRE.

7.2.3.11. In view of issuing CV deferred from transaction, including transfer from the producer's account into the supplier's account in order to observe the annual compulsory quota of CV procurement, the TSO calculates monthly the number of CV from the recovery period of deferred CV by 15 April 2017 for each certified power park / unit held by OEA.

7.2.3.12. The number of monthly CV from the recovery period of deferred CV is calculated as equal to the ratio between the total number of deferred CV in the deferral period and the total number of calendar months from the recovery period of deferred CV.

7.2.3.13. In case the TSO finds out, according to the circumstances provided in article 17 par (1) & (4) from Regulation for issuance of green certificates approved by Order 4/2015 of ANRE, that OEA has got undue CV it will proceed to:

- a) cancelling the CV granted in undue manner if they have not yet been transacted, or
- b) deducting from the number of due CV in the following month(s) the number of undue CV, if these have been already transacted.

7.2.3.14. The deduction provided in 7.2.3.13 letter b) is made by suspending the issuance of a number of CV equal to the number of undue CV.

7.3. REGISTER FOR BENEFICIARIES OF GREEN CERTIFICATES AND GREEN CERTIFICATES ISSUED

7.3.1. The TSO constitutes the *Register for beneficiaries of green certificates and green certificates issued* and updates it whenever necessary.

7.3.2. The TSO writes down in the *Register for beneficiaries of green certificates and green certificates issued* the following information:

- a. Name, ID data of the OEA and its sequential number in the register;



PROCEDURE TO ISSUE GREEN CERTIFICATES
FOR ELECTRIC POWER GENERATED FROM
RENEWABLE ENERGY SOURCES

Code: TEL 03.11

Page 11/21

Rev. 0 1 2 3 4 **5**.

- b. ID data of the contact person designated by the OEA;
- c. Number and issuance date of the licence for commercial operation of electricity generating capacities;
- d. Number, issuance and expiry dates of the certification decision from ANRE;
- e. The certified power parks / units and their certified installed capacity;
- f. Number of CV due for 1 MWh provided in the certification decision;
- g. Type of SRE used;
- h. Number of CV issued each month;
- i. Number of CV issued monthly for transaction and their codes;
- j. Number of CV issued monthly and deferred from transaction, including transfer from the producer's account into the supplier's account in view of observing the annual compulsory quota of CV procurement;
- k. Number of CV recovered each month and their codes;
- l. Number of CV cancelled and their codes.

7.3.3. The sequential numbers of the CV issued by the TSO begin annually with number one for each OEA

7.3.4. A CV has got electronic numerical code, which includes the following information:

- **[AA]** = the last two digits of the **year** when the E-SRE was produced;
- **[LL]** = **month** in which the E-SRE was produced;
- **[XXX]** = sequential number of the OEA in the *Register for beneficiaries of green certificates and green certificates issued*;
- **[YYYY]** = number of the Licence for commercial operation of electricity generating capacities;
- **[WW]** = code of the **SRE**;
- **[ZZZZZZ]** = sequential number of the CV corresponding to the electricity delivered by OEA

7.4. REPORTS TO ANRE

7.4.1. TSO transmits monthly to ANRE, until the end of each calendar month, a monitoring report about the issuance process of CV in the precedent month, in the format shown in annex 9 to this procedure.

7.4.2. In case changes occur after sending the monitoring report provided in 7.4.1 the TSO informs ANRE about them within 3 week-days from finding such changes.

8. FINAL PROVISIONS

- 8.1. TSO begins issuing CV in the months following the delivery month of the E-SRE into the network by the E-SRE power park held by the respective economic operator and only when ANRE has already issued the certification decision for it.
- 8.2. **Natural persons** can transmit **each semester** or **annually** the information necessary for CV issuance, in which case the TSO issues CV depending on the periodicity in sending such information.

No...../ Date ...



PROCEDURE TO ISSUE GREEN CERTIFICATES
FOR ELECTRIC POWER GENERATED FROM
RENEWABLE ENERGY SOURCES

Code: TEL 03.11

Page 12/21

Rev. 0 1 2 3 4 **5.**

Annex 1

DEMAND
FOR REGISTRATION IN THE REGISTER FOR BENEFICIARIES OF GREEN CERTIFICATES
AND FOR GREEN CERTIFICATES ISSUED

To,
CN TRANSELECTRICA SA
Commercial Division
Blvd. General Magheru no 33, Bucharest 1, RO 010325

Company.....
Seated in.....
Registered with the Office of the Commercial Register....., under no.....
represented by.....
contact person
E-mail....., Phone....., Fax.....

based on the Licence for commercial operation no. of..... granted
by ANRE and, in accordance with Order 4/2015 of ANRE approving the Regulation for issuance of green
certificates, we request to have our certified power parks / units recorded in the Register for beneficiaries of
green certificates and for the green certificates issued.

The certified power parks / units which we request registration for are as follows:

1. Power park / unit:

Certification decision no. of..... given by ANRE
Renewable energy source:
Installed capacity of the power park / unit [MW]
Location.....

2. Power park / unit:

Certification decision no. of..... given by ANRE
Renewable energy source:
Installed capacity per power park / unit [MW]
Location.....

Etc,

DIRECTOR
Date.....

Anexat, copies of:

1. Licence of commercial operation from ANRE,
2. Terms associated to the Licence,
3. Certification decision given by ANRE,
4. Certificate of Registration with the Commercial Register;



PROCEDURE TO ISSUE GREEN CERTIFICATES
FOR ELECTRIC POWER GENERATED FROM
RENEWABLE ENERGY SOURCES

Code: TEL 03.11

Page 13/21

Rev. 0 1 2 3 4 **5**.

Annex 2

Commercial Division

**COMMUNICATION REGARDING THE
RECORD IN THE REGISTER FOR BENEFICIARIES OF GREEN CERTIFICATES AND
FOR THE GREEN CERTIFICATES ISSUED**

To,

OEA:

Company.....

Seated in

Registered with the Office of the Commercial Register..... under no.

Represented by

Contact person

E-mail

Phone

Fax

This is to notify you that, in accordance with the provisions of Order 4/2015 of ANRE approving the Regulation for issuance of green certificates and your demand no. of you have been recorded in the **Register for beneficiaries of green certificates and for the green certificates issued**, with your certified power units / parks and your certified installed capacities:

-

-

-

Beginning with at position no. from the Register

Director

Date



**PROCEDURE TO ISSUE GREEN CERTIFICATES
FOR ELECTRIC POWER GENERATED FROM
RENEWABLE ENERGY SOURCES**

Code: TEL 03.11

Page 14/21

Rev. 0 1 2 3 4 5.

Annex 3

**INFORMATION TRANSMITTED TO THE TSO
BY THE CERTIFIED ECONOMIC OPERATOR
TO HAVE GREEN CERTIFICATES ISSUED**

Year:.....

Month:.....

Certified economic operator:.....

Name of the power park / unit generating E-SRE:.....

	MU	Unit 1	...	Unit n	Total of power park
Electricity generated ¹	MWh				
Electricity delivered into the power network ²	MWh				
Electricity delivered to consumers, including for auxiliaries, other than CPT ²	MWh				
Electricity consumed from the network ²	MWh				
Electricity delivered additionally above the amounts of electricity from physical notifications in case of dispatchable units generating electricity	MWh				
<i>For power plants of multiple fuels³</i>					
Type 1 of SRE:	Low heat power according to bulletin no.....	kJ/kg or kJ/Nm ³			
	Consumed quantity of SRE 1	t or thousand Nm ³			
Type n of SRE:	Low heat power according to bulletin no.....of...	kJ/kg or kJ/Nm ³			
	Consumed quantity of SRE 1	t or thousand Nm ³			
Fossil fuel 1:	Low heat power according to bulletin no.....of...	kJ/kg or kJ/Nm ³			
	Consumed quantity of fossil fuel 1	t or thousand Nm ³			
Fossil fuel n:	Low heat power according to bulletin no.....of.....	kJ/kg or kJ/Nm ³			
	Consumed quantity of fossil fuel n	t or thousand Nm ³			

[Director].....

No./Date.....

NOTE

1. To be filled in at unit level only in case of power parks comprising units falling under different categories as regards the number of CV granted for 1 MWh.
2. To be filled in the Total power park column; values should coincide with those written in the minutes signed together with OR and/or the consumers.
3. The values of the low heat power and of the fuel consumption are transmitted for each type of SRE, namely of fossil fuel



PROCEDURE TO ISSUE GREEN CERTIFICATES
FOR ELECTRIC POWER GENERATED FROM
RENEWABLE ENERGY SOURCES

Code: TEL 03.11

Page 16/21

Rev. 0 1 2 3 4 **5.**

Annex 5

HOURLY ELECTRICITY QUANTITIES DELIVERED BY CERTIFIED ECONOMIC
OPERATORS THAT OWN DISPATCHABLE POWER PARKS

Anexa 1.2. Cantitati orare de energie electrica livrate

Luna:
Anul:
Unitate dispecerizabila:

IBD		Denumire Producator E-SRE																															
		Cantitati orare livrate (MWh)																															
De la	Pana	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
0	1																																
1	2																																
2	3																																
3	4																																
4	5																																
5	6																																
6	7																																
7	8																																
8	9																																
9	10																																
10	11																																
11	12																																
12	13																																
13	14																																
14	15																																
15	16																																
16	17																																
17	18																																
18	19																																
19	20																																
20	21																																
21	22																																
22	23																																
23	24																																
Total zilnic		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total Livrat																																	

Denumire Producator E-SRE



PROCEDURE TO ISSUE GREEN CERTIFICATES
FOR ELECTRIC POWER GENERATED FROM
RENEWABLE ENERGY SOURCES

Code: TEL 03.11

Page 17/21

Rev. 0 1 2 3 4 **5.**

Annex 6

HOURLY ELECTRICITY QUANTITIES DELIVERED ABOVE PHYSICAL NOTIFICATIONS BY
DISPATCHABLE POWER PARKS GENERATING ELECTRICITY FROM RENEWABLE ENERGY SOURCES
OWNED BY CERTIFIED ECONOMIC OPERATORS

Anexa 1.2. Cantitati orare de energie electrica livrate suplimentar fata de notificat

Luna :
Anul :
Unitate dispecerizabila:

IBD	Denumire Producator E-SRE																																	
	Cantitati orare de energie electrica livrate suplimentar fata de notificat(MWh)																																	
	De la	Pana	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total zilnic		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total livrat suplimentar fata de notificat																																		

Denumire Producator E-SRE

NOTE:

$$E(NF) = \sum_{z=1}^{31} \sum_{h=1}^{24} (M_{hz} - N_{hz}) \text{ for hourly intervals when } M_{hz} > N_{hz} \text{ (MWh)}$$

where:

E(NF) electricity delivered additionally by the dispatchable units generating electricity compared to the electricity quantities from the hourly physical notifications transmitted to the TSO

N_{hz} quantity of electricity notified for hour ,h' of day ,d' by the electricity producer from renewable energy sources to the transmission and system operator

M_{hz} quantity of electricity delivered for hour ,h' of day ,d' by the electricity generator from renewable energy source

h – hour

z - day



PROCEDURE TO ISSUE GREEN CERTIFICATES
FOR ELECTRIC POWER GENERATED FROM
RENEWABLE ENERGY SOURCES

Code: TEL 03.11

Page 19/21

Rev. 0 1 2 3 4 **5.**

Annex 7

STRUCTURE OF A GREEN CERTIFICATE

Name of OEA:

Address of OEA:

Number and issuance date of the Licence for commercial operation:

Number and issuance date of the Certification decision:

Certified power park / unit and the certified installed capacity:

Sequential number of OEA (code) from the Register for beneficiaries of green certificates and for the green certificates issued (RBCV):

SRE (code of the SRE):

Issuer of the Green Certificate: TSO - CN Transelectrica SA

Numerical code for the CV:

Year of E-SRE generation	Month of E-SRE generation	Sequential no of OEA in the RBCV			Number of the Licence for commercial operation				Code of SRE*		Sequential number of the CV in the RBCV**									
A	A	L	L	X	X	X	Y	Y	Y	Y	W	W	Z	Z	Z	Z	Z	Z	Z	Z

Date of CV issuance:

* The SRE code is established in accordance with the table below:

Code of SRE	Name of SRE
01	Wind
02	Solar
03	Hydraulic
04	Biomass – biologic residues
05	Biomass – power crops
06	Waste fermentation gas
07	Fermentation gas of sludge from used water treatment installations

** The sequential numbers of CV in the RBCV begin each year with one for every OEA.



PROCEDURE TO ISSUE GREEN CERTIFICATES
FOR ELECTRIC POWER GENERATED FROM
RENEWABLE ENERGY SOURCES

Code: TEL 03.11

Page 20/21

Rev. 0 1 2 3 4 **5.**

Annex 8

Commercial Division

**COMMUNICATION REGARDING THE
GREEN CERTIFICATES ISSUED**

To,

OEA:

Contact person

E-mail

Phone

Fax

Attention of,

OPCV,

This is to notify you that, in accordance with the provisions of Order 4/2015 of ANRE approving the Regulation for issuance of green certificates and taking into account:

- The information sent to the TSO about CV issuance in letter no. of
- Licence of commercial operation for electricity generating capacities no. of
- Certification decision no. of
- Minutes no. of between OEA and OR:,

for the E-SRE delivered into the power network / to end consumers in **months** **year** you benefitted of a number of **CV** as follows:

No.	Name of certified power park	Name of certified power unit	Certified installed capacity / power park / unit (MW)	Certification decision	Number of CV issued	No. of CV for transaction	CNCV of CV issued for transaction	No. of deferred CV

Director

Date



PROCEDURE TO ISSUE GREEN CERTIFICATES
FOR ELECTRIC POWER GENERATED FROM
RENEWABLE ENERGY SOURCES

Code: TEL 03.11

Page 21/21

Rev. 0 1 2 3 4 **5.**

Annex 9

**TEMPLATE OF MONTHLY REPORTING BY THE TRANSMISSION AND SYSTEM OPERATOR TO THE
NATIONAL REGULATORY AUTHORITY IN THE ENERGY DOMAIN**

Year:

Month:

I. Information about the CV issued / issued for transaction / deferred from transaction / cancelled

TYPE of SRE: wind / hydro / biomass / solar

Type of E-SRE generating technology

No	Name of the certified economic operator	Name of the certified power park / unit (MW)	Certified installed capacity certified per certified power park / unit [MW]	Quantity of E-SRE which CV were granted for [MWh]	Quantity of E-SRE delivered additionally by dispatchable units compared to hourly physical notifications [MWh]	Type of renewable source of energy (SRE)	Number of CV issued	Number of CV issued for transaction	Number of CV deferred from transaction	Number of CV cancelled*
----	---	--	---	---	--	--	---------------------	-------------------------------------	--	-------------------------

Total, of which by type of SRE

II. Reason of CV cancellation*:

III. Other information:

[Director]

Date: