

UNLICENSED SOLAR ENERGY PRODUCTION ROADMAP

Solar energy systems can be established as licensed or unlicensed with reference to Article 14 of Energy Market Law (no. 6446). In this article the law states that establishing an energy production facility below the capacity of 1 Mw is exempt from a license or founding a company. Over 1 MW, legislation for a license enters into force. In this paper the roadmap for establishing an unlicensed is explained step by step.

In this paper “Regulation” refers to “Regulation Regarding Unlicensed Electric Production in the Electricity Market published in the Official Gazette, date 2/10/2013, no. 28783:” and the Law refers to Energy Market Law.

Applications for the establishment of the facility is to be prepared in Turkish language and the regulation addendums mentioned in this paper are in Turkish.

Application Process

The application is made to the distribution company (electricity network operator) for that particular region (MEDAŞ for Konya). The documentation to be presented during the initial application process is as follows in compliance with the Regulation

1. Application Form for Unlicensed Production (add. 1)
2. Authorisation certificates for the persons competent to represent the company
3. Title deed/rent contract for at least two years authorised signature list as supplementary document. If the facility is to be established on public property, documents for land tenure must be presented.
4. For non-roof applications, official document from the Ministry Food, Agriculture and Livestock or provincial directorates of said ministry, certifying the land of the facility is not suitable for agricultural activities,
5. Electricity subscriber number In compliance with the Regulation article 6, subsection 12.
6. For the projects exceeding threshold values (except roof applications), official document regarding environmental impact analysis regulations.
7. Receipt stating the application fee is deposited into the distribution company
8. Single-line diagram that includes technical specifications of the facility
9. Technical Evaluation Form prepared by General Directorate of Renewable Energy (GDRE)
10. Application sketch with coordinates
11. Detailed documents and information on shareholding structure of the company.
12. Declaration to be presented in compliance with Regulation article 6, subsection 10(add. 3)
13. Declaration to be presented in compliance with Regulation article 31,subsection 21(add.4)
14. If applicable, document stating the project to be supported by EU IPA Funds.

Step 1. Land and Buildings

For facilities with installed power of 0.499 MW, birds flight distances from the facility to the grid cannot be more than 5 km and 6km for the principal distance to the project. For the facility hat have the capacity over 0.499 MW, the numbers are 10 and 12 kms respectively

Electric production facilities can be established on the field or on the roofs. The documents to be submitted in the process vary in this regard. Besides title deed or rent contract/land tenure, if the facility is to be on a building or an empty land, respectively, the building license or the document to be obtained from the Provincial/District Directorate of Food, Agriculture and Livestock that states the land is “arid marginal agricultural land” has to be presented in the application.

Arid Marginal Agricultural Land: Fields that have a slope over 12% for regions having below 640 mm of rainfall per year or over 18% for regions having rainfall over 640 mm but also having soil depth below 50 cm.

In this context, regulations state aforementioned document ot be presented. For the document a petition must be submitted to the directorate along with current land register and a 1/25000 scale topographic map with coordinates.

For facilities that are on the same parcel have a combined installed capacity over 1MW, an approval document from the Provincial Directorate of Environment and Urbanisation.

Step 2. Technical Issues

Application Fee: For 2017 no application fee is required for facilities up to 250KW. Over the capacity the fee is TRY 536.41+VAT= TRY 632.96. This fee is subject to change every year. In the bank receipt, the annotation must state “Name of the Applicant – Unlicensed Electricity Production Application Fee). The account numbers can be found on the Internet site of the electric network operator.

Application Form: Unlicensed Electricity Production Application Form can be found among the addendums of the Regulation (in Turkish).

Single-Line Diagram: Technical diagram showing the connections between the facility and the grid.

Network Subscription: the Facility must have a subscription. One subscriber cannot have an installed capacity over 1 MW. The same subscriber can make multiple applications granted the total does not exceed 1 MW.

Application Sketch with Coordinates: The coordinates of the area and related cadastral data must be included in the application. This sketch can be prepared by Directorates of Land Registry and Cadastre of licensed survey engineers.

Technical Evaluation Form: This form is demanded by GDRE and filled with the application sketch.

Step 3. Preliminary Examination/Evaluation

The network operator gathers the applications for each month.

- If the application file is incomplete, the applicant is informed in 3 workdays and 10 days are given to complete the file. If that is not the case, the file is returned to the applicant.
- Every application is evaluated separately regarding connection and system usage. In the evaluation the fundamental issue is the compatibility to the Regulation and other legislation.
- Priority evaluation is made for the applications after the technical evaluation. Grid limitations are at the core in the step.
- Also at this stage of the evaluation, the following criteria are applied in order:
 - Facility to be based on renewable resources
 - Facility to have a cogeneration facility
 - The applicant having more electricity consumption compared to other applications
 - Production and consumption facility to be at the same place
 - The application being within the context of integration
 - The applicant not having a previous successful application

The results of applications are declared in the network operator's Internet site and if the outcome is negative, the file with a written reason for rejection is returned to the applicant in 10 workdays.

Step 4. Call Letter

The call letter for connection agreement is presented to the applicant by the network operator granted they apply for it during the one month period after the declaration of the list. If the applicant does not apply in this context, the application becomes void.

Step 5. Connection and System Usage Agreements

If TEİAŞ (Public authority for electric power transmission) is asked for an opinion on a connection centre, technical evaluations for applications for that particular centre are paused. The process is resumed once the opinion reaches the network operator or the OIZ.

- The applications that are successful are then sent to the GDRE for the preparation of a technical evaluation report in 10 days after the declaration. GDRE then prepares this report in 30 days and sends it to the network operator. If the report is negative, application file is returned to the applicant.
- If the said report is positive, the network operator sends Call Letter for Connection Agreement. The applicant then has 180 days for preparation.

- The applicant submits the production facility and (if present) connection line project to the approval of the Ministry of Energy or approved institutions in the first 90 days. If the project approval application is not made in this 90 days, the application becomes void and the documents are returned to the applicant.

If the process in this step is completed, then the network operator is notified. The network operator is obligated to sign the connection agreement in 30 days.

System Usage Fee: If the energy produced and consumed in the facility are not equal, a system usage fee is paid. If the production and consumption occurs at the same place, the fee is determined with regards to the net energy released (or taken) to the grid. If not at the same place two fees have to be paid for production and consumption.

Step 6. Temporary Admission and Commissioning of the System

After all the processes are completed regarding the production facility, the applicant notifies the network operator. Readiness of the facility for temporary admission is inked by the applicant and the network operator through an official report. In this context, the applicant submits this report and the compatibility report to the Ministry of Energy or approved institutions for admission. Compatibility report includes production test, type testing (Regulation add. 6) or relevant certificates and technical data/parameters.

Permanent admission is completed for facilities connecting to high voltage lines in two years and low voltage lines in one.

Step 7. YEKDEM and Incentive System

In case the energy produced in the facility is not entirely consumed, surplus energy is to be purchased by the network operator for 10 years in accord to the Renewable Energy Law from the price specified in add.1. This period is calculated from the date that the facility starts releasing energy to the grid.

The owner of the facility cannot demand payment for the electricity released into the grid before admission or during temporary admission and testing process.

The solar panels are not exempt from customs tax.

Facilities that produce electrical energy from solar power can benefit from the incentive system in Turkey. Since 26th of July 2017, incentive applications can also be submitted to local units (Konya Chamber of Industry and Konya Investment Support Office for Konya).

For unlicensed energy production, the incentive system applications must include project approval from the network operator and title deed or rent contract. Solar panels procured from abroad is out of coverage. After obtaining the incentive document, connection agreement process have to be completed by the end of the document period. A company can apply for a single incentive document if the total installed capacity is over 1MW granted the facilities are side by side.

Unlicensed production facilities also cannot benefit from domestic product support in YEKDEM mechanism that is specified in the Regulation on Supporting Domestic Equipment Used in Facilities that Produce Energy from Renewable Resources. Otherwise the mechanism operates in accord to Law no. 536 add.2.

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Disclaimer: All information in the documents presented here are the result of research of us and do not express neither our institution nor other institutions. They cannot be updated data. It would be best if you contacted authorised institutions. For enterprises considering such a large scale investment, we advise to contact with the Ministries, EMRA and ISPAT (www.invest.gov.tr).

DOCUMENTS:**Ek-1****LİSANSIZ ÜRETİM BAĞLANTI BAŞVURU FORMU**

Başvuru Sahibinin Bilgileri			
Adı-Soyadı/Ünvanı			
Adresi			
Telefonu			
Faks Numarası			
E-Posta Adresi			
T.C. Vergi/ T.C. Kimlik Numarası			
Banka Hesap Numarası			
Üretim Tesisinin Bilgileri			
Adresi			
Coğrafi Koordinatları (UTM 6-ED50)			
Kurulu Gücü			
Bağlantı İçin Talep Edilen Tarih			
Sistem Kullanımına Başlaması İçin Öngörülen Tarih			
Türü / Kullanılan Kaynak			
Bağlantı Şekli	<input type="checkbox"/> AG Tek Faz	<input type="checkbox"/> AG Üç Faz	<input type="checkbox"/> YG
Bağlantı Transformatörü Bilgileri			
Diğer Bilgiler			
Bu formda verilen tüm bilgiler tarafımca doğru bir şekilde doldurulmuştur. Başvurumun kabul edilmesi durumunda; üretim tesisini bu formda belirtilen özelliklere uygun olarak tesis etmeyi, tesis aşamasında, İlgili Şebeke İşletmecisinden gerekli izinleri almadan, bu formda belirtilen bilgilere aykırı			

bir işlem tesis etmeyeceğimi, bu formda verilen bilgilere aykırı bir durum tespit edilmesi halinde başvurumun her aşamada İlgili Şebeke İşletmecisi tarafından iptal edilmesini kabul ve taahhüt ederim.

Adı-Soyadı/Ünvanı	İmza	Tarih
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BAŞVURU DİLEKÇESİ

T.C.

... İL ÖZEL İDARESİ BAŞKANLIĞINA (*)

..... (adresinde) 6446 sayılı Kanun ve 5346 sayılı Kanunun ilgili hükümleri ve ilgili mevzuatı kapsamında lisanssız elektrik üretimi yapmak amacıyla hidrolik kayağa dayalı üretim tesisi kurmak için Su Kullanım Hakkı İzin Belgesi almak amacıyla başvuru yapmaktayım/yapmaktayız.

Başvurumun/başvurumuzun kabulünü ve tarafımıza Su Kullanım Hakkı İzin Belgesi verilmesi hususunu tensiplerinize arz ederiz.

Yetkili Kişi veya Kişilerin Adı-Soyadı

İmza

(varsa) Kaşe

Tarih

Tüzel kişinin ticaret unvanı:

Tüzel kişinin Ticaret ve/veya Sanayi Odasına kayıtlı olduğu il:

Tüzel kişinin ticaret sicil nosu:

Gerçek kişinin T.C. kimlik nosu:

Gerçek/Tüzel kişinin vergi kimlik nosu:

Gerçek/Tüzel kişinin kanuni ikametgah adresi:

Telefon:

Faks:

Gerçek/Tüzel kişiye ait Kayıtlı Elektronik Posta (KEP) :

(*) İşbu izin belgesi, İl Özel İdaresi bulunmayan yerlerde Yatırım İzleme ve Koordinasyon Başkanlığınca düzenlenir.

<p>T.C. ...İL ÖZEL İDARESİ (*) (.... Müdürlüğü)</p>
<p>Yenilenebilir Enerji Kaynaklarının Elektrik Enerjisi Üretimi Amaçlı Kullanımına İlişkin Kanun Kapsamında SU KULLANIM HAKKI İZİN BELGESİ</p>
<p><i>Belgenin verildiği tarih:</i> (BELGE NO:¹/² /³ /⁴ / 00000000...⁵)</p>
<p>Bu belge, 5346 sayılı Yenilenebilir Enerji Kaynaklarının Elektrik Enerjisi Üretimi Amaçlı Kullanımına İlişkin Kanun'un 6/A maddesi gereği, 'ye aşağıda bilgileri bulunan elektrik üretim tesisi için verilmiştir.</p> <p>Üretim tesisinin İlgili Şebeke İşletmecisi Kayıt Numarası : Üretim tesisinin adı : Üretim tesisinin yeri : Üretim tesisinin tipi : Üretim tesisinin kurulu gücü : Sisteme bağlantı noktası ve gerilim seviyesi :</p> <p>DSİ taşra teşkilatının madde 9/1 kapsamındaki yazısının tarih ve sayısı⁶ :</p> <p>İlgili Şebeke İşletmecisinin madde 9/1 kapsamındaki yazısının tarih ve sayısı⁷ :</p> <p style="text-align: right;">..... Vali</p>

¹ İl plaka kodu

² Yıl

³ DSİ taşra teşkilatının kısa adı

⁴ İlgili Şebeke İşletmecisinin kısa adı

⁵ Verilen belgenin sıra sayısı yazılacak.

⁶ Asıl yazının, ilgili İl Özel İdaresince onaylanmış örneği işbu belge ekine konulacaktır.

⁷ Asıl yazının, ilgili İl Özel İdaresince onaylanmış örneği işbu belge ekine konulacaktır.

(*) İşbu izin belgesi, İl Özel İdaresi bulunmayan yerlerde Yatırım İzleme ve Koordinasyon Başkanlığınca düzenlenir.

Yenilenebilir Enerji Kaynaklarının Elektrik Enerjisi Üretimi Amaçlı
Kullanımına İlişkin Kanun Kapsamında Kaynak Türünün Belirlenmesi Amaçlı
ÜRETİM KAYNAK BELGESİ

Belgenin verildiği tarih:

Bu belge .../.../201... ile .../.../201.. tarihleri arasında geçerlidir.

(BELGE NO: ...⁸) /...⁹/ 00000000...¹⁰)

Bu belge, 5346 sayılı Yenilenebilir Enerji Kaynaklarının Elektrik Enerjisi Üretimi Amaçlı Kullanımına İlişkin Kanununun 5 inci maddesi gereği’ye aşağıda bilgileri bulunan elektrik üretim tesisi için verilmiştir.

Yenilenebilir kaynak türü:

Üretimin yapıldığı dönem:

Üretim döneminde yapılan brüt elektrik enerjisi üretimi (kWh):

Üretim tesisinin İlgili Şebeke İşletmecisi Kayıt Numarası:

Üretim tesisinin adı:

Üretim tesisinin yeri:

Üretim tesisinin tipi:

Üretim tesisinin kurulu gücü:

Sisteme bağlantı noktası ve gerilim seviyesi:

.....

Genel Müdür¹¹

⁸ İlgili Şebeke İşletmecisinin kısa adı yazılacak.

⁹ İlgili yıl yazılacak.

¹⁰ Verilen belgenin sıra sayısı yazılacak.

¹¹ İlgili Şebeke İşletmecisinin logosu ve amblemi olacak.

**BİR DAĞITIM TRANSFORMATÖRÜNDE AG SEVİYESİNDEN BİR KİŞİYE
BİR YIL İÇERİSİNDE TAHSİS EDİLEBİLECEK KAPASİTE**

Trafo Gücü (t.g.) (kVA)	Bağlanabilir Toplam Kapasite (kW _e)	Bir kişiye bir yıl içerisinde tahsis edilebilecek kapasite (kW _e)
t.g. < 100	t.g. x 0,3	7,5
100 ≤ t.g. ≤ 1000		t.g. x 0,1
t.g. >1000		100 kW _e

ÜRETİM TESİSİ TİP TEST FORMU**(Üretim Tesisi Tip Test Raporunda Bulunması Gereken Bilgiler)****Üretim Tesisi Bilgileri**

Üretim Tesisi Tip Referansı		
Maksimum Anma Gücü		
Üretici Şirket Adı	Tel	Adres
	Faks	

Test Merkezi Bilgileri

İsim ve Adres	
Tel	
Faks	
E-posta	

Test Bilgileri

Test Tarihi	
Testi Yapan	
Test Kayıt No	
İmza	