

## FAQ / Solar

1. Are there any Govt. schemes where I can directly invest in Solar Projects / Wind Projects?

- GoM has declared a RE Policy 2020 on dated 31.12.2020. Developer / Investor can set up their Solar / Wind project under the said policy.

It can be a -

- a) Solar Park
- b) Captive Consumption
- c) Third Party sale
- d) For sale to Discoms.

Further, developer / investor can also set up their solar project under CM AG Feeder Scheme, Kusum Scheme (Component A) and under the bids announced by Solar Energy Corporation of India Ltd (SECI), Distribution companies & Maharashtra State Power Generation Company in Maharashtra.

(<https://www.seci.co.in/> , <https://www.mahadiscom.in/> , <https://www.mahagenco.in/> )

2. If I want to have a project with fixed Power Purchase Agreement (PPA) whom should I contact?

- Normally Fixed Power Purchased Agreements are not permitted. You have to participate in bids announced by Solar Energy Corporation of India Ltd (SECI), Distribution companies and Maharashtra State Power Generation Company in Maharashtra

( <https://www.seci.co.in/> , <https://www.mahadiscom.in/> , <https://www.mahagenco.in/> )

3. What are the Specific Regulations that I must look before entering into this business?

- Grid Interactive Rooftop Renewable Energy Generating Systems) Regulations 2019 <https://www.merc.gov.in/>
- Maharashtra Electricity Regulatory Commission Regulation (RPO/REC regulation 2019) <https://www.merc.gov.in/>
- Maharashtra Electricity Regulatory Commission Regulation (Open access regulation) <https://www.merc.gov.in/>

## Developers – FAQ Solar

1. In what way I can invest in Solar?

- GoM has declared a RE Policy 2020 dated 31.12.2020. Under the said policy, total target of 12930 MW has been set for solar project for next 5 years. Registered companies, Local / Municipal Civic bodies, Government institutions, Partnership firms, Private Person, Semi Governments institutions, Co-operative societies, Farmer's groups all are eligible to set up projects under the said policy and invest in RE sector of the State.

2. How can I partner with Govt. for Solar investment?

- Developer / Investor can tie up with specific Government department having excess land for setting up Solar Projects under Public Private Partnership (PPP) Mode or invest in Solar projects under RESCO model on Government buildings.

3. Different ways I can sale Solar Energy?
  - Electricity from solar projects can be sold to distribution companies under competitive bidding or sale to third party through open access or sale of electricity outside the state.
4. Can I get Govt. land and who will help me to get private land of 1000/2000 Acres?
  - Government land can be leased for solar projects with permission from appropriate authorities. You may contact the collector of the concerned district for lease. Private land can be acquired or obtained on lease with the help of land aggregators and consultants.
5. What is Open Access?
  - Open Access means generator can sale his generated power to any consumer using unrestricted access to infrastructure of distribution / transmission companies. Open Access enables companies with more than 1 MW connected load to buy cheap power from the open market. The concept is to allow the customers to choose from a number of power companies at competitive rates.
6. Third Party Sale?
  - Third party sale means electricity generated from Renewable Energy Project will be sold to any consumer of electricity other than Distribution utilities.
7. Power Purchase Agreement with Distribution Companies?
  - Under competitive bidding by Distribution Companies, Power can be sold to Distribution Companies at discovered tariff for life of the project i.e. for 25 years. For this Distribution Companies comes out with tenders for power purchase. list of tender is available on their website.
8. Can there be a fixed rate PPA instead by Open Bidding?
  - Power can be sold to Distribution Companies only through competitive bidding.
9. What is the likely rate that I will get if I put up Investment?
  - In FY 2020-21, under competitive / reverse bidding discovered tariff for Solar Energy is around Rs. 2.90 per unit and Wind Energy is around Rs. 2.87 per unit. Discovered tariff under competitive / reverse bidding is adopted as generic tariff by MERC.
10. Power Purchase Agreement (PPA) is for how many years?
  - PPA under competitive / reverse bidding is signed for life of the project i.e. for 25 years for Solar & Wind Projects.
11. Are there any other Govt. Scheme where I can participate?
  - Individual or company can invest in Grid Connect Roof Top Solar Project, Rural Village Electrification (RVE), Solar Micro Grid, Kusum – Solar Agriculture Pumps etc

12. Is there any Scheme without Tender?

- Developer / Investor can setup their solar project under GoM RE Policy 2020 dated 31.12.2020 for captive / third party sale without tendering

### छोटे शेतकरी / कारखानदार

1. आमच्याकडे ४ एकर जमीन आहे. सोलरसाठी देऊ इच्छितो, कुठे अर्ज करावे?
  - १ मे.वॅ. क्षमतेचा सौर ऊर्जा प्रकल्प उभारवयाचा असल्यास साधारणतः ४ एकर जमीनीची आवश्यकता लागेल.
2. माझ्याकडे रूफटॉपवर काही व कारखान्यांचे शेड्स / पार्किंग / ओपन स्पेस खाली काही जमीन आहे. सौरसाठी वापर करावयाचा आहे.
  - अपारंपरिक ऊर्जांचे अपाऊ धोरण - २०२० दि. ३१/१२/२०२० भाग २ अंतर्गत इमारतीचे छत (रूफटॉप) / जमीनीवरील पारेषण विरहित / हायब्रीड सौर विद्युत संच प्रकल्पांकरीता प्रति वर्ष ५२,००० कि.वॅ. क्षमतेचे उद्दिष्ट निश्चित करण्यात आले आहे. या अंतर्गत विषयांकित सौर प्रकल्प उभारता येऊ शकते. तथापि, छोट्या पवनचक्की हे १५ ते २० मीटरच्या उंचीच्या टावरवर खुल्या / मोकळ्या जागेत उभारण्यात येतात. त्यामुळे पवनचक्की कारखान्यांचे शेड्स / पार्किंगवर उभारता येऊ शकत नाही.
3. Generation cost माझी असताना मी इतर cost का भराव्यात?
  - आपण निर्माण केलेली वीज विकण्यासाठी आपल्याला वितरण आणि पारेषण कंपनीचे पायाभूत सुविधा (Electrical Infrastructure) वापरत असल्याने आपणास त्याचे शुल्क भरावे लागतील.
4. नेट मिटरिंग म्हणजे काय?
  - ' नेट मिटरिंग म्हणजे ' अशी विज मिटर व्यवस्था ज्यामध्ये ग्राहकांच्या जागेमध्ये आस्थापित केलेल्या सौर विद्युत संयंत्राद्वारे निर्माण केलेल्या नुतनशील ऊर्जेची विज वितरण कंपनीस केलेली निर्यात व ग्राहकाने विज वितरण कंपनीकडील विजेची केलेली आयात मापन केली जाते.
5. Behind the Meter मधील तरतूदी काय आहेत?
  - Behind the Meter सौर ऊर्जा प्रकल्प हा कारखान्याचे आवारात वितरण कंपनीचे मिटरनंतर असतो. त्यातुन निर्माण झालेली वीज कारखान्यास वापरता येते परंतु उर्वरित वीज वितरण कंपनीस विकता येत नाही. सदर सौर ऊर्जा प्रकल्प आस्थापित करतांना महावितरण कंपनीची परवानगी घेणे आवश्यक आहे. अशा प्रकल्पांसाठी त्यांना अतिरिक्त निश्चित शुल्क (Additional fixed charges) अथवा मागणी शुल्क (Demand charges) भरणे आवश्यक असते. त्यांनी जर महावितरण कंपनीची परवानगी घेतली नसल्यास वरील नमुद केलेले शुल्क दुप्पटीने आकारण्यात येते. अधिक माहितीसाठी महावितरण कंपनीचे वाणिज्यीक परिपत्रक क्र.

३२२, दि. २१/०१/२०२० चे व महाराष्ट्र नियामक आयोगाच्या Grid Interactive Rooftop Renewable Energy Generating Systems) Regulations, 2019 याचे अवलोकन करावे.

### **Grid Connected Rooftop**

१. कोणत्या प्रकार — Residential / Commercial / Industrial / School / Trust ला सबसिडी आहे
  - Residential / Group Housing Societies/Residential Welfare Associations (GHS/RWA) या नफा न कमवणाऱ्या संस्थांसाठी केंद्र शासनाचे वित्तीय सहाय्य उपलब्ध आहे.
२. सबसिडी किती आहे.
  - Residential (maximum up to ३ kW capacity ) — आधारभूत किंमतीच्या ४०% सबसिडी.
  - Residential sector (above ३ kW capacity and up to १० kW capacity) - आधारभूत किंमतीच्या ४० % up to ३ KW Plus २०% for RTS system above ३ kW and up to १० kW
  - Group Housing Societies/Residential Welfare Associations (GHS/RWA) — आधारभूत किंमतीच्या २०% सबसिडी.
३. अधिक माहितीसाठी कोठे अर्ज करावे?
  - महाराष्ट्र राज्य विद्युत वितरण कंपनी मर्यादित (महावितरण) <https://www.mahadiscom.in/>  
(Consumer portal - quick access - Rooftop RE - Applications)

### **Agriculture Feeders / Pumps**

१. दि. ३१-१२-२०२० च्या नवीन धोरणात सबसिडी स्कीम कोणत्या आहेत
  - या धोरणाअंतर्गत दरवर्षी १ लाख सौर कृषिपंप आस्थापनेसाठी मान्यता मिळालेली आहे. या योजने अंतर्गत केंद्र शासनाचा ३० टक्के, राज्य शासनाचा ६०/६५ टक्के व सर्वसाधारण लाभार्थी हिस्सा १० टक्के व अनुसूचित जाती जमाती लाभार्थी हिस्सा ५ टक्के घेण्यात येणार आहे.

### **Developers**

1. What are the steps involved in getting clearances from application to commissioning?
  - First developer must participate in a tender floated by DISCOM's or have intension of third party sale / open access consumer
  - Developer / Investor should obtain online Grid connectivity from MSEDCL / MSETCL,
  - After receipt of grid connectivity permission from MSEDCL / MSETCL, Developer / Investor can apply online for registration to MEDA for registration of project.
  - After installation of project Developer / Investor can commission project through MSEDCL
  - If developer have any problems during these stages they can approach MEDA at Aundh Road, Opposite Spicer College, Near Commissionerate of Animal Husbandry, Aundh, Pune - 411 007  
(gmcord@mahaurja.com & gmsolar@mahaurja.com)