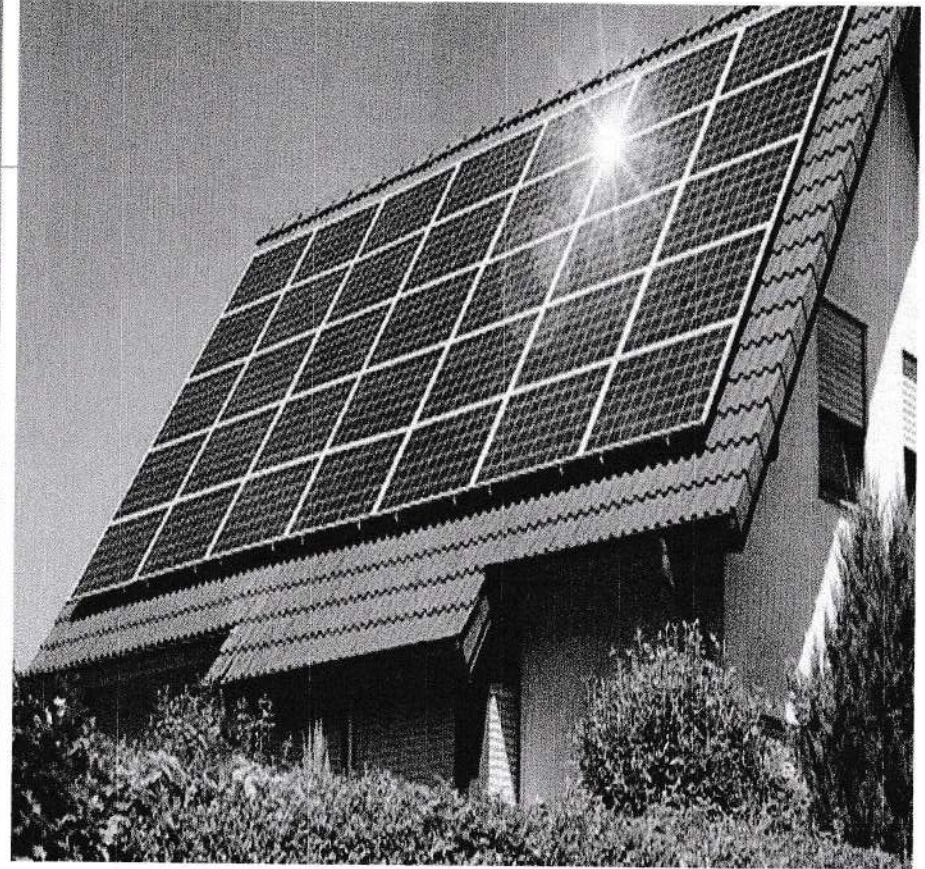
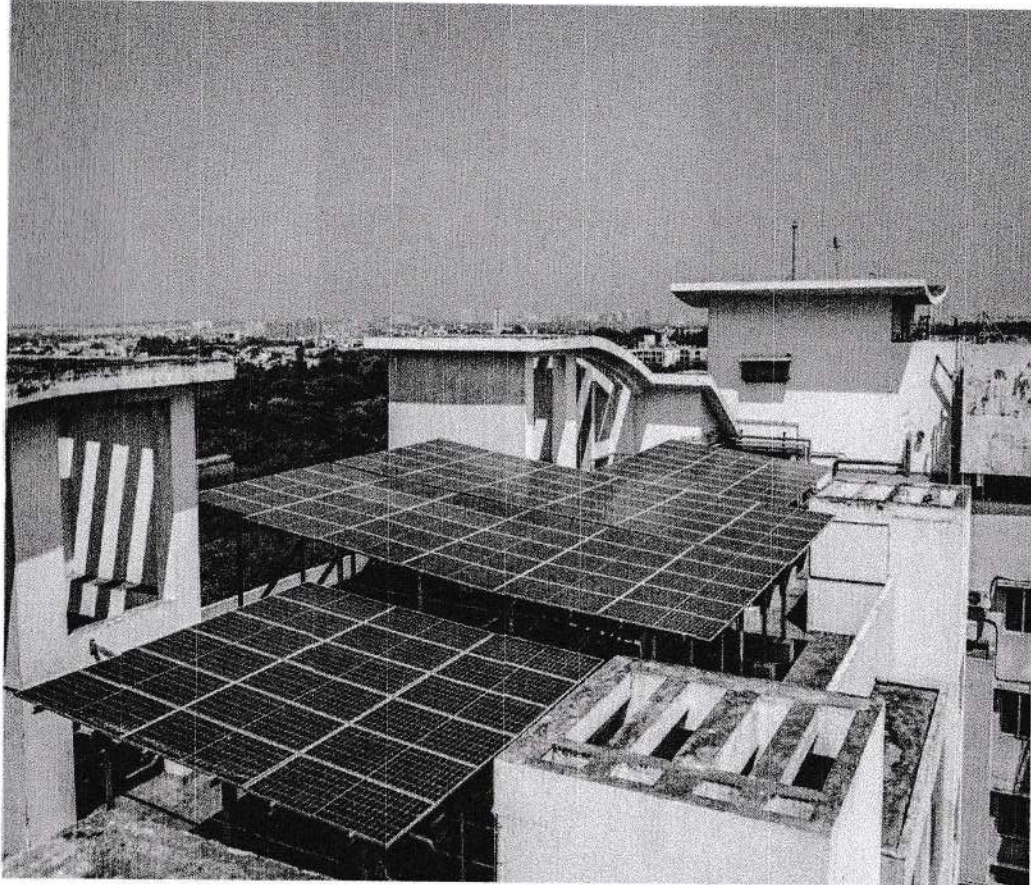


COMMUNITY AWARENESS

PM Surya Ghar Mukh Bijli Yojana

*Power & Electricity Department
Government of Mizoram*




BACKGROUND

SCOPE

- ❖ Mahni chenna inchunga Rooftop Solar bun te hnenah Central Financial Assistance (subsidy) pek a ni ang.
- ❖ Hemi scheme puanzar ni dt. 13th February, 2024 hnu lama dilna National Portal a dilna dawn chin a huam ang.
- ❖ Implementation period hi 31st March, 2027 thleng a ni ang.

Aim and Objectives of PM-Surya Ghar :Muft Bijli Yojana

- ❖ Rooftop Solar System (RTS) chenna in one crore a bun/ install.
 - ❖ Thla tin electric unit 300 hmang chin ten a thlawn emaw, tlem zawka electric bill an chawi theihna tura RTS bun tura tanpui.
 - ❖ RTS lifetime kum 25 chungu renewable energy/ electricity 1000 billion siamchhuah a, 720 million ton of Co2 eq (Carbon dioxide equivalent) a tih tlem.
 - ❖ Tin, khing te bakah khian India in UNFCCC (Unified Nation Framework Convention on Climate Change) ah kum 2026-2027 ral hma a Solar hmanga 30 GW electricity siamchhuak tura commitment a lo siam tawh tih hlawhtlinna tur a ni bawk a ni.
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Central leh State subsidy hmuh theih tur zat:

Sl. No	Capacity of RTS in kW	Rate Pangngani (Subsidy tello in)	Central Subsidy	State Sorkar Subsidy (in Rupees)				Remarks
				Within AMC Area	From AMC area upto 100KM	From 100KM beyond AMC area upto 200KM	Above 200KM beyond AMC area	
1	1 kw	79,000	33,000	12,000	14,000	16,000	18,000	State Sorkar Subsidy pek tur hi RTS installation-na hmun a zirin ruahman a ni a, a hlatzawng (km) hi Aizawl Municipal Council Area atanga chhut a ni.
2	2 kw	1,50,000	66,000	24,000	28,000	32,000	36,000	
3	3 kw	2,00,000	85,800	36,000	42,000	48,000	54,000	
4	4 kw	2,60,000	85,800	48,000	56,000	64,000	72,000	
5	5 kw	3,20,000	85,800	60,000	70,000	80,000	90,000	
6	6 kw	4,30,000	85,800	72,000	84,000	96,000	1,08,000	
7	7 kw	5,10,000	85,800	84,000	98,000	98,000	1,26,000	
8	8 kw	5,80,000	85,800	96,000	1,12,000	1,28,000	1,44,000	
9	9 kw	6,40,000	85,800	1,08,000	1,26,000	1,44,000	1,62,000	
10	10 kw	6,90,000	85,800	1,20,000	1,40,000	1,60,000	1,80,000	

A dil dan kalhmang :

- ❖ Portal pahnih a awm a, state leh national portal a ni a.
- ❖ **State Portal** link pmsuryaagar.mizoram.gov.in ah luh a, in register zawhah application alo awm anga, fill up ngai te fill up in submit tur a ni a.
- ❖ Hemi zawh hian **National Portal** link pmsuryaagar.gov.in ah lut leh in application submit leh tur a ni.
- ❖ Application hi online a tihvek tur a ni a, application fill-up atanga commissioning thleng portal a tih ngai zawngzawng hi mahni in tih thiam loh pawhin empanelled vendors ten an tihsak vek thei a ni (mahni in thiam mang lo chung a tih ai chuan Vendors te kan in a RTS install tur a kan thlan ten a hmun a survey an rawn neih hnuah application submit pawh hi tihvek ni se buaina a awmlo zawk). Application I submit hnu chuan Vendor selection tur alo awm anga, I inchunga RTS bun tur a in duh ber kha I thlang mai dawn a ni.

Vendors : Tuna Mizoram a empanelled vendor kan neih mek te chu.

Sl. No	Vendors Name	Contact Number	Address
1	Thlado Greentech	8794302514	Kulikawn, Ngaizel Road Aizawl Mizoram 796005
2	Enervior Power System Pvt. Ltd.	7005154993	2nd Floor, No. 180, Mfar Silver Line Tech Park EPIP 2nd Phase, Whitefield, Bengaluru, Karnataka
3	Agni Green Power Ltd.	8420115051	Near Lalsangliana Petrol Pump, Sairang Road Edenthar, Aizawl-796001
4	Swastik Enterprise	9436764524	10A Hospital Street, 3rd Floor Suite No. 303 Kolkata-700072
5	LT Skylite	8794446336	YE-05 Dawrkawn, Chaltlang Aizawl
6	Thangruma Projects	8837439795	S/52, Bawngkawn Sairang Road, Aizawl-796014
7	Kim Kim Electricals	9862329368	V/C-92, Vaivakawn, Aizawl
8	Royal Floria	9612307885	Ch. Thanmawia Building, Main Road Zarkawt, Aizawl-796007
9	VL Traders	9863767505	A-33a, Maubawk, Aizawl-796005
10	Samuel Enterprise	9774399239	MV-80, Lungli Road, Mission Veng, Aizawl-796005
11	Ten Joules	9862159795	LTC/4, Leitan Near SIRD, Aizawl-796025
12	AIEN Consulting	7085914763	TN-69/AB, Lalsawia Building, Zarkawt Main Street, Aizawl-796007
13	Zalén Enterprise	8787389017	Zalen Veng, Vairengte, Kolasib, Mizoram
14	BS Elecricals	8732013113	College Veng, Kolasib
15	BSP Electricals	9862903041	Champhai Vengthlang, Champhai, Mizoram
16	D. Light Enterprise	9436140461	Dawrpui, Canteen Square, Aizawl. Mizoram
17	Zaumawi Business	9862752789	Lower Zarkawt
18	M/S ANS Engineering	7005411604	H.O Venglai Lunglei, Mizoram

VENDOR – Consumer Agreement

Vendor thlanfel hnuah Vendor ten a hmunah an rawn enfiah anga, vendor leh consumer ten RTS bun dan tur leh pawisa inpek dan chungchangah agreement an siam ang.

(Entirnan : RTS bun hma in a man tur 50% pekphawt ni se, 40% chu subsidy hmuh huna pek ni se, 10% chu kum 4 hnua pek ni se, tih ang te in).

Services

Registered Vendor khan repairs/ maintenance of the RTS plant kha kum 5 chung a thlawn (free of cost) in a thawk tur a ni a. Kum 5 hnua chuan beneficiary ten anmahni in an enkawl tawh ang

Technical Specifications

Solar modules, Inverters, mounting structures, cables, surge arrestors, earthing zawng zawng hi MNRE specification fel tak a siam vek a; heng zawng zawng hi zawm vek a ngai a. Hna zawhfel hnuah a thlalak pawh National Portal ah upload vek tur a ni. Discom aiawh te pawhin inspection neih hunah an check thlap tur a ni.

Modules (Solar Plate) size leh area

Modules pakhat hi 1.0mtr a zau, 2.0mtr a sei a ni a. Pathum zawmkhawm hi 1kWp a ni a. Chuti anih chuan 1kW bun nan 3x2mtr a zau a ngai a ni

A hawizawng: Ni a hmuh rei theih dan ber kha a tha a. Chhim chhawng emaw chhim-thlang lam hawi a dah hi a tha ber a ni.

BANK LOAN LAK THEIH LEH A PUNG

India ram a Nationalised Bank hrang hrang ten RTS bunna tur hi loan an pe thei a. Mizoram mipui in account kan neihna tlanglawn ber SBI leh Mizoram Rural Bank te pawh in loan hi a hnuai a mi ang hian an pe thei a ni:

Upto 3.0kW capacity	-	Rs. 2,00,000.00
More than 3.0kW to 10kW	-	Rs. 6,00,000.00
Rate of Interest upto 3.0kW	-	7%
Rate of Interest 3.0kW to 10kW	-	10.15%
Tenure(maximum)	-	120 months

National Portal ah khan Bank loan dilna pawh a awmsa vek a ni.

Heng Bank hrang hrang ah te hian Account kan nei anih chuan PM-Surya Ghar scheme hnuai a Rooftop Solar install duh te tan loan a diltheih a ni:

Yes Bank	Indian Bank
UCO Bank	IDBI Bank
The Federal Bank	ICICI Bank
State Bank of India	HDFC Bank
Punjab National Bank	Bank of India
North East Small Finance Bank	Bank of Baroda
Mizoram Rural Bank	Bandhan Bank
Mizoram Co-Operative Apex Bank	Axis Bank

Roof Top Solar leh Thlatin Electric Bill

RTS in energy a generated hi Grid (electric line pangngai) nen Net Meter ah khan thlunzawm a ni a. Net Meter ah khan import leh export te alang theivek a. Solar in unit engzat nge a generate a, unit engzat nge in hman a, electric line ah engzat nge in pekchhuah tih kha enna a awmvek a ni.

Entirnan:

Thlakhat ah RTS in unit 200 generate ta se, nangmahni unit hmanral kha unit 200 chiah ni ta se. Electric bill chu fixed charge chiah I chawi ang.

Thlakhat ah unit 200 generate ta la, unit 250 hmang thung la, unit 50 man leh fixed charge bill I chawi ang.

Unit 300 thla tin generate thin la, unit 200 thla tin hmang ta la, I hman sen loh thla tin unit 100 man, kumkhat ah $100 \times 12 = 1200$ unit kha P&E Deptt. in Rs. 4.82 in a leisak dawn che a ni.

Thla tin electric bill fixed charge hi chu chawi ngei ngei a ngai a. Fixed charge hi domestic consumer ah 1kW ah Rs 50 a ni.

Rooftop Solar bun a thatnate

1. Thla tin Electric bill chawi a tlem phah ang. Hei mai pawh nilo in, hman senloh khawp a thar a nih chuan P&E Deptt. atangin sum a hmu let thei.
2. Sawrkar in Electric chhit man phai lama pawisa a pek teuh thin chu a lo tlem phah anga, Sawrkar a tanpui a ni ang.
3. Solar hmanga Power siamchhuah hian khawvel boruak a tichhe lo a, tuna khawvel in power a siamchhuah 75% hi boruak tichhe thei (fossil) oil & gas, lungalhthei..etc hmanga siam a ni a. Hei hian khawvel boruak a tichhe nasa em em a. Hetih lai a boruak tichhe lo zawnga power kan lo siamchhuah ve hian khawvel sik leh sa chhe zel tur kan lo veng ve a ni. Tin, hemi bakah RTS lifetime kum-25 chhunga renewable energy/ electricity 1000 billion siamchhuah a, 720 million ton of Carbon Dioxide tih tlem hi Ministry of Power in a tum a ni a. Chumi kawnga kan lo puih ve theihna pawimawh tak a ni.

Conclusion

Rooftop Solar chu ilo install zo ve ta a, i inpeih veleh khan bialtu SDO/EE ah in report ang a, Net Meter vuahdilna (application for Renewal Energy System Connectivity) in thehlut anga. DISCOM (P&E Deptt.) hian kilowatt khat zelah Rs. 100/- an lo charge ang che (heichiah hi P&E Deptt. a pawisa chawi ngai a ni) Thlalak upload ngai (solar module lang te, earthing leh LA lang te, energy meter lang te) in upload zawhah chuan PPA te Department nen in sign ang a, tuna tariff hmanlai lai mek ah chuan in energy generate in hman senloh a awm chuan P&E Department in Rs. 4.82 in a leisak dawn che u a ni. Hei hi April thla apiangin assessment neih thin a ni.