

www.techkisan.in



टेककिसान ऑटोमेशन

Techkisan Automation

The service you need!

# Techkisan Automation

The Trusted Brand

## Solar Energy Company

Service Locations: Maharashtra, Madhya Pradesh, Chhattisgarh

Our everyday goal is simple – to make rooftop solar accessible to all. And we do this by focussing on your happiness, which keeps us constantly innovating

Our vision is to make clean energy affordable and accessible



Our mission is make the solar generation industry more organised



Our method is to infuse transparency and trust.







# Govt. Subsidy

## PM – Surya Ghar: Muft Bijli Yojana



### Subsidy for residential households

**Rs. 30,000/- per kW up to 2 kW**

**Rs. 18,000/- per kW for additional capacity up to 3 kW**

**Total Subsidy for systems larger than 3 kW capped at Rs 78,000**

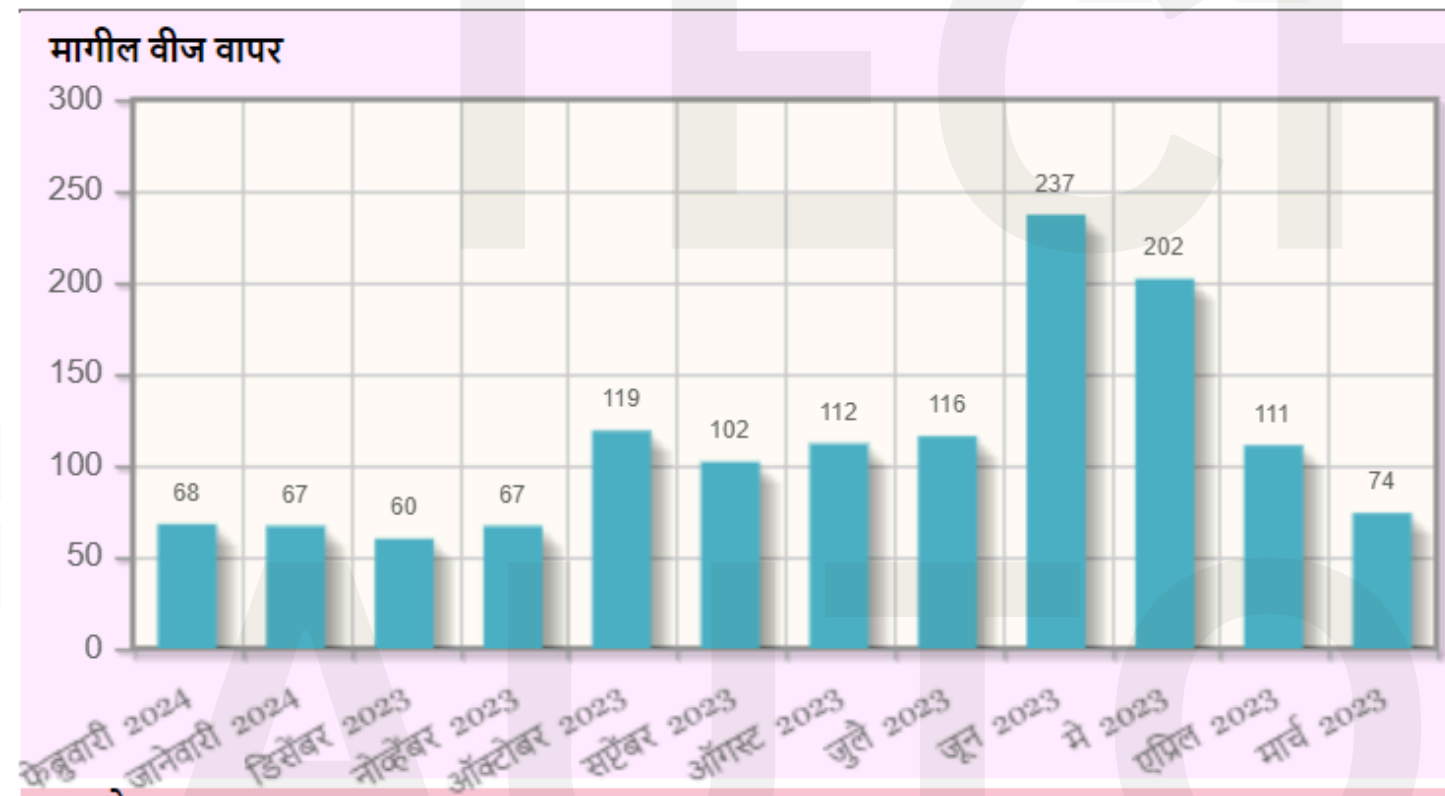
### Suitable Rooftop Solar Plant Capacity for households

Average Monthly Electricity Consumption (units)	Suitable Rooftop Solar Plant Capacity	Subsidy Support
0-150	1 – 2 kW	Rs 30,000 to Rs 60,000/-
150-300	2 – 3 kW	Rs 60,000 to Rs 78,000/-
>300	Above 3 kW	Rs 78,000/-



# Calculation of Consumption

## Active Load



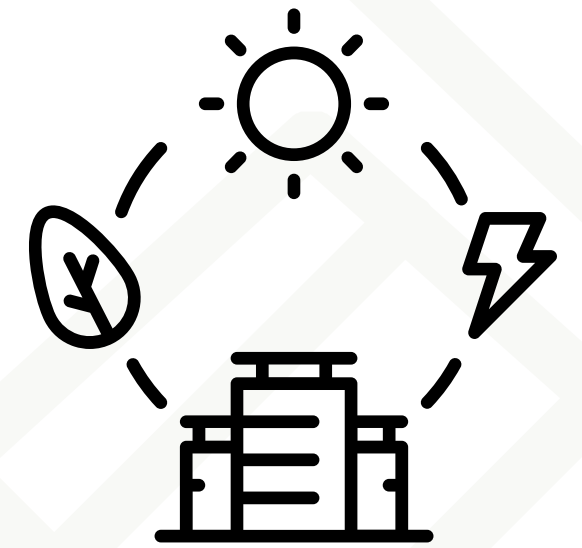
Electric Bill

## Futuristic Load

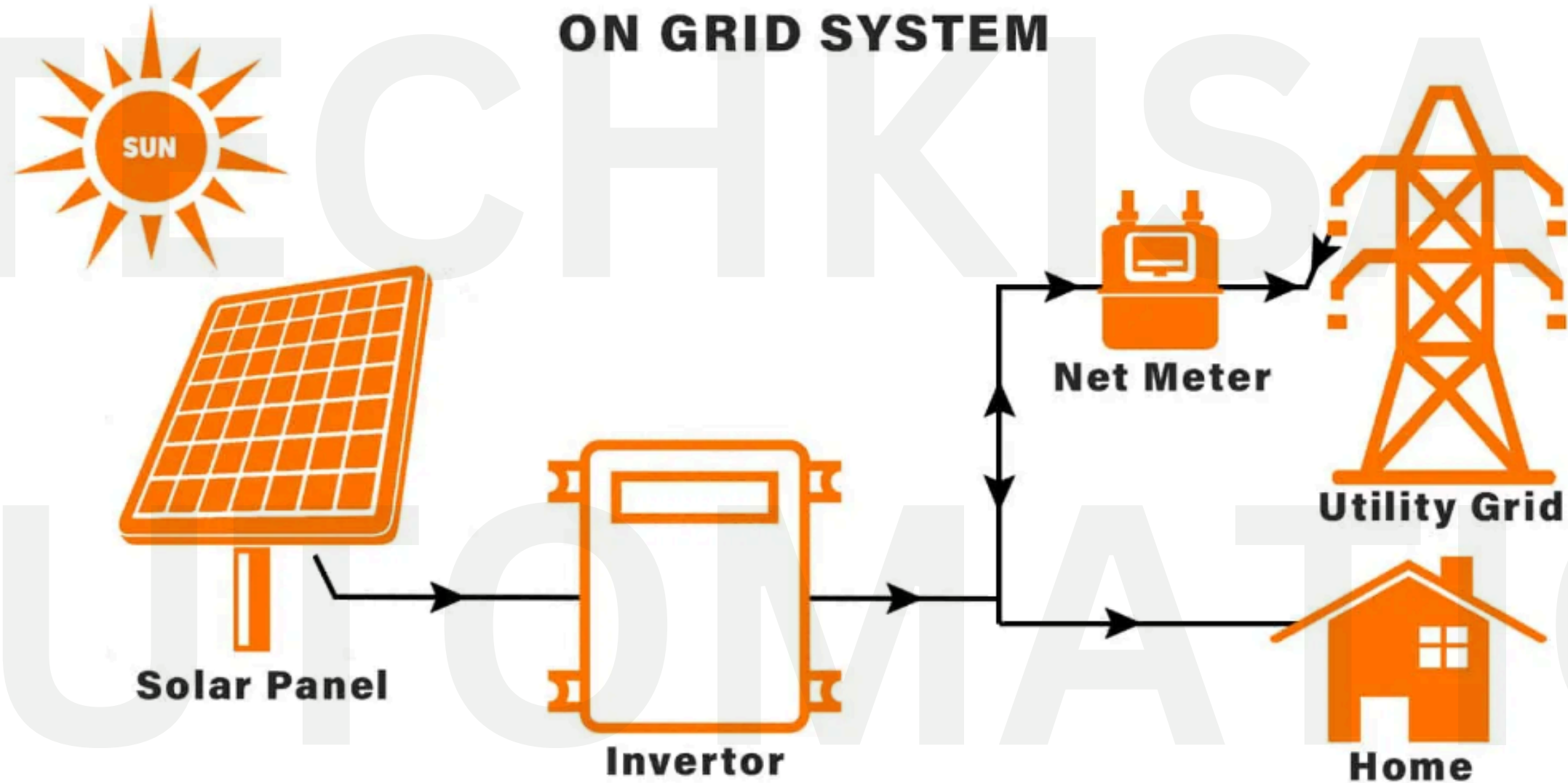
- AC (Air conditioning)
- Electric Vehicle
- Electric Geyser
- Electric Induction etc (Electric Appliances)



# System Working Mechanism



## ON GRID SYSTEM







# SOLAR BILL

<b>SOLAR NET METER CONSUMPTION DETAILS</b>									
<b>SOLAR TARIFF</b>	<b>IMPORT</b>			<b>EXPORT</b>			<b>GENERATION</b>		
	CURRENT READING	PREVIOUS READING	Units	CURRENT READING	PREVIOUS READING	Units	CURRENT READING	PREVIOUS READING	Units
0000 Hrs-0600 Hrs& 2200 Hrs-2400 Hrs	00.00	00.00	00.00	00.00	00.00	00.00	00.00	00.00	00.00
0600 Hrs-0900 Hrs& 1200 Hrs-1800 Hrs	00.00	00.00	00.00	00.00	00.00	00.00	00.00	00.00	00.00
0900 Hrs - 1200 Hrs	00.00	00.00	00.00	00.00	00.00	00.00	00.00	00.00	00.00
1800 Hrs-2200 Hrs	00.00	00.00	00.00	00.00	00.00	00.00	00.00	00.00	00.00
<b>TOTAL</b>	532.00	350.00	182.00	2,777.00	2,011.00	766.00	3,175.00	2,258.00	917.00
Offset: 182.00	Prvious Banked: 00.00		Current Banked: 584.00		Banking Charge Unit: 00.00			Billed: 00.00	

<b>BILLING HISTORY</b>			
<b>Bill Month</b>	<b>Consumption (Units)</b>	<b>Bill Demand (KVA)</b>	<b>Bill Amount</b>
Mar 2024	0	0	116
Feb 2024	0	0	116
Jan 2024	0	0	116
Dec 2023	156	0	2030.36
Nov 2023	366	0	4523.51
Oct 2023	407	0	5243.1
Sep 2023	395	0	4779.34





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# Bill Of Material & Proposed Vendors

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Technical Details				
Component	Specification	Quantity	Make	Warranty
<b>PV MODULES</b>	Bifacial Mono Crystalline, Pmax>=520Wp/540Wp	3 KW	Adani (5 Panels)	25 Years
<b>INVERTER</b>	On-Grid Inverter Output: 1 phase, Efficiency: > 98%	3 KVA	EVVO/KSOLAR	10Years
<b>MOUNTING STRUCTURE</b>	GI Structure 2*2, Purlins	As per design	Fortune/ Vikrant	25Years
<b>EARTHING KIT</b>	Chemo maintenance Free	1 Meter Copper Rod 3 Nos.	Bentonite Powder	25Years
<b>Earthing Material</b>	Copper Tar	10 no.	Copper	25Years
<b>ACDB</b>	MCB & AC SPD	1	Schneider Electric /Polycab/Phoenix	1Year
<b>DCDB</b>	Fuse & SPD	1	Phoenix Contact, Elmex	1year
<b>Solar Meter</b>	Net Meter & Gen Meter	2	L & T	-
<b>LIGHTNING ARRESTOR</b>	Reputed make	1	Standard	25Years
<b>AC Cable</b>	6 SQMM	As per design	Polycab/Finolex/ Anchor	5Years
<b>DC CABLES</b>	U.V. Resistant, Halogen , Fire resistant cables	4Sqmm Cu(Type 1)	Polycab	5Years
<b>MC4 connectors</b>	DC wire coupler	As per Design	Dash/ Waaree	-





# Material Details



**GI PIPE**



**End Clamp/Mid Clamp**



**ACDB & DCDB**



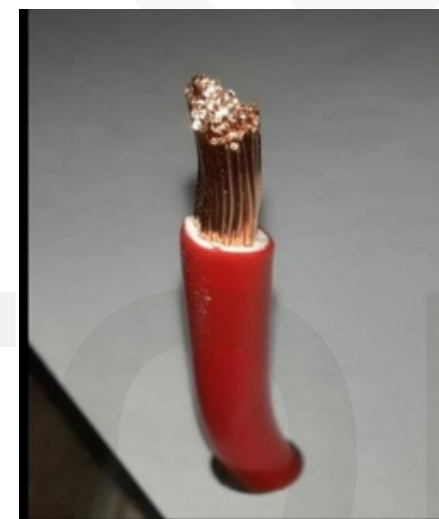
**Earthing Cable**



**MC4 Connector**



**LA (Lightning Arrester)**



**AC Cable**



**DC Cable**



**Galvo Spray**





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# Installation Procedure

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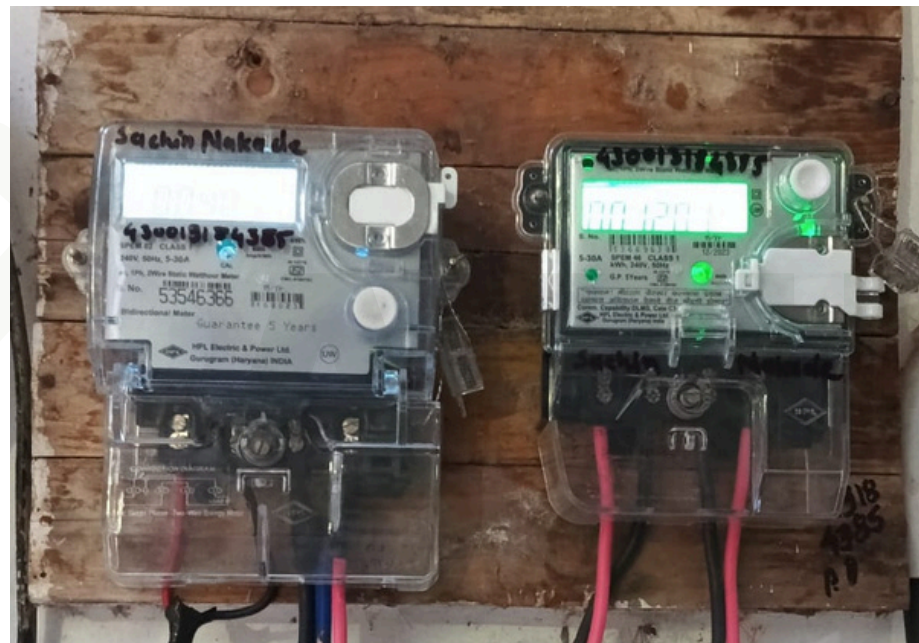
**Structure Installation**



**Panel Installation**



**Earthing, Inverter, ACDB, DCDB Installation**



**Generation & Net Meter Installation**



**Support & Concrete**



**LA Installation**





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# Quality Of Work

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**WalkWay in Structure**



**Galvo Spraying to Structure weld**



**Proper Conduit Installation**





# Cost Of Systems

<b>KW</b>	<b>PROJECT COST</b>	<b>Subsidy Amount</b>	<b>Project Cost After Subsidy</b>
<b>1 KW</b>	₹ 80,000.00	₹ 30,000.00	₹ 50,000.00
<b>2 KW</b>	₹ 150,000.00	₹ 60,000.00	₹ 90,000.00
<b>3 KW</b>	₹ 220,000.00	₹ 78,000.00	₹ 142,000.00
<b>4 KW</b>	₹ 270,000.00	₹ 78,000.00	₹ 192,000.00
<b>5 KW</b>	₹ 320,000.00	₹ 78,000.00	₹ 242,000.00
<b>6 KW</b>	₹ 380,000.00	₹ 78,000.00	₹ 302,000.00
<b>8 KW</b>	₹ 480,000.00	₹ 78,000.00	₹ 402,000.00
<b>10 KW</b>	₹ 580,000.00	₹ 78,000.00	₹ 502,000.00
<b>15 KW</b>	₹ 825,000.00	₹ 78,000.00	₹ 747,000.00
<b>20 KW</b>	₹ 1,050,000.00	₹ 78,000.00	₹ 972,000.00



# Difference in Costing

## Vendor & Proposed Material

### High Quality System

- Branded Company (Panel & Inverter)
- Copper Cable
- Walkway & Ladder
- 8 to 10 Ft height of system  
, etc (Supports and all)

### Midium Quality System

- New Company (Panel & Inverter)
- Aluminium Cable
- No Walkway
- 3 to 4 Ft height of system  
etc (Supports & all)





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# Vendors

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**adani**

Power

**WAAREE**<sup>®</sup>

**EVVO**  
The **SOLAR** Experts

powering tomorrow  
**G**rowatt



**Loom Solar**

**K**Solare  
Energy Pvt. Ltd.

**+10**



## Payment Terms & Execution procedure

- Separate Purchase Order (PO) for Supply & Work Order (WO) for Services is required.

### Schedule of Payments:

Payment		Sign Customer	Sign TechKisan Automation	Date	Remark
20%	Alog With PO				
75%	After Structure Installation				
5%	After Meter Installation				

**Note:**\* Separate Purchase Order (PO) for Supply & Work Order (WO) for Services is required.

\*Owner/client shall release all due payments within 3 days from date of receipt of relevant documents.

\* **Civil Work is not in our scope.**

\* Load of extension charges are towards client end(**This amount gets deposited as safety deposited for client**)if any as per load requirement.

\*Meter testing charges are towards client end





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## Our Valuable Customers

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SR. NO.	SITE DETAILS	LOCATION	PLANT CAPACITY
1	Bajaj Hospital / Central Hospital	Railtoly Gondia	70 kw
2	7 Tiger Resort	Tadoba, Chandrapur	50 kw
3	Wadhwa Industries	MIDC	30 kw
4	Soheb Kapada Bazar	Sadak Arjuni	25 kw
7	R M Jaiswal	Tirora	25 kw
8	Happy Street	Avanti Bai Chawk	20 kw
9	On Grid /Off Grid Systems on various Buildings (5KW/10KW/20KW)	Various places in Maharashtra	200 no.s

**50+ ongoing projects**



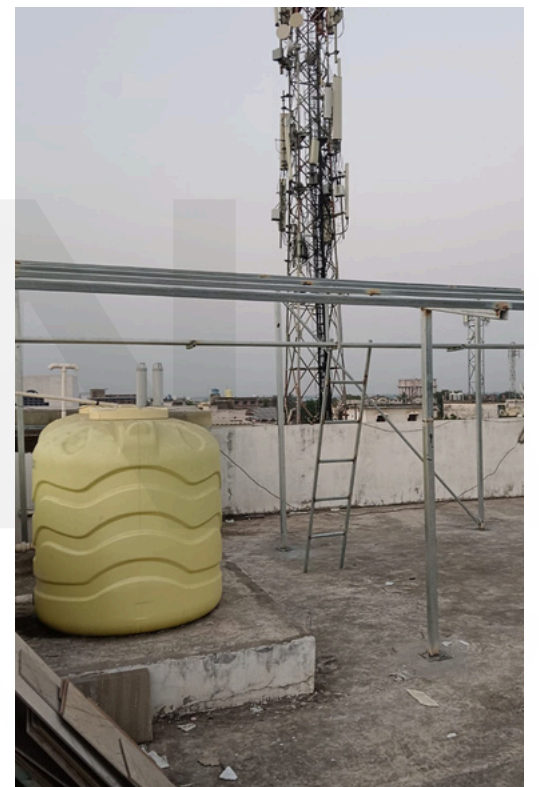




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# Our Projects

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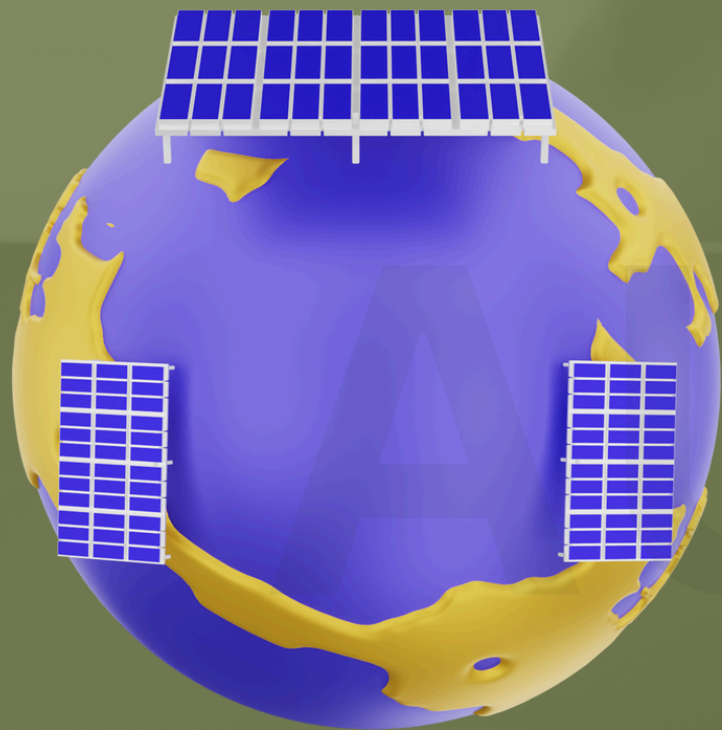


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# Please revert for more info.....

# Thank You!



Hope you are interested to  
invest in our project.

## Reach Us Out



### Address

Nakade Complex, Mama chawk, Civil line,  
Gondia ,Maharashtra - 441601, India



### Phone

+91 7972025213, +91 9511831914



### Email

info@techkisan.in , hr@techkisan.in  
sales@techkisan.in

Pune|Nagpur|Gondia|Chandrapur|Wardha|Betul(MP)