



**Welcome to**  
**7<sup>th</sup> IITF - 2022,**  
**Guwahati**

**NATSAKEE INCORPORATION**

**ISO 9001:2015, 14001:2015, 50001:2018, 45001:2018 CERTIFIED MSE**

**H.O.: 414, 4<sup>th</sup> Floor, Purbi Complex, A. T. Road, Guwahati-781001**

**M.O. At : Raipur, Siliguri and New Delhi, E-mail: [info@nesolindia.com](mailto:info@nesolindia.com)**

**[www.nesolindia.com](http://www.nesolindia.com), Ph: 8812856449, 9435109034**

## About Us...



- Natsakee Inc. is a leader in the solar energy market with business sectors in distribution and integration, technology and project development services. We offer a full-service portfolio for solar projects of all scales including: procurement, engineering, project development, finance and construction. Natsakee Inc's Qualified Installer Network is our go-to workforce for installation and O&M services & certified solar installers.
- **Natsakee Inc. has leading in-house experience of successful project development services across India. Our development services range from identifying project sites to contracting, construction and O&M. Additionally, Natsakee Inc. EPM offers our local construction partners the full support of our engineering, procurement and management expertise.**
- Natsakee Inc. are Registered class I (A) Contractors in Various Govt Departments in the field of Electrical and Civil Engineering. Empaneled with MNREDA, CEL, CREDA LIC, NRL. IOCL, NFR,JJM, PHE, PWD, Irrigation and Govt of Assam various Deptts.
- **Natsakee Inc. has been trusted by blue-chip companies and governments across India. Since our establishment in 2005, Natsakee Inc. has supplied over 5 MW of projects and has operations in pan India.**
- Owned and Managed by Mr. Akash Garg, B.com(H), CA(Inter), DEE, Certified in Rain water Harvesting & Waste Water Management with experience of 19 years in Business.
- **Natsakee Inc. has developed Unique Low cost Water Purification Technology: SILVOFIL.**
- Natsakee Inc. manufactures Solar Lanterns, Solar Street Lights, Solar Study Lamps, Solar Home Lightings Systems etc.



- Natsakee Inc. prides itself as an expert solution provider in mid range Rooftop Solar PV installation that are environment friendly, energy efficient, cost effective and are capable of delivering quick return on investment
- **We develop Solar Plants on CAPEX and OPEX basis, and can supply "offsite" solar power through Open Access where regulations permit.**
- The Company is managed by the Professional entrepreneurs who have vast experience in Solar Industry.
- **The management of the Company have expertise in their respective fields and are updated with latest trends in the Solar Industry**
- Our organization is one of the most experienced vendor of solar energy in Northeast region with many firsts in its name.



## **VISION**

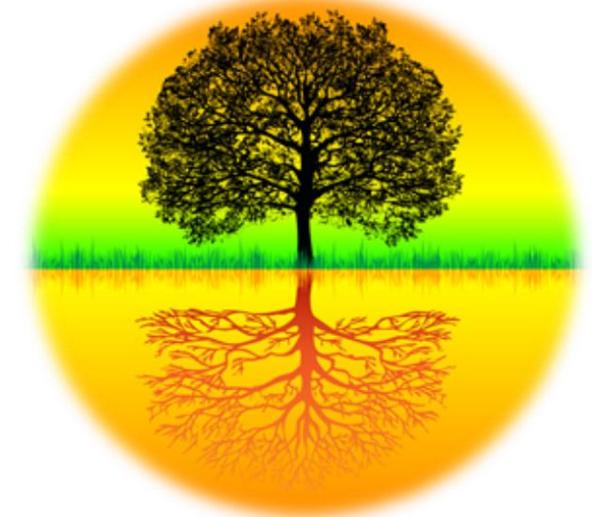
Within the next 5 years, grow Natsakee Inc. Energy to be among the top company of choice in India for midrange Solar Installations to Residential, Commercial and Utility establishments including high value civil & electrical Projects.

## **MISSION**

Natsakee Inc. Energy shall be a renewable energy provider & government Contractor of choice to all Indians. Our mission is to be the best Solar, Electrical and civil Projects Supply and Installation Company in India for Government procurement, Medium Scale industries, Establishments and Residential systems. We shall continuously strive to maintain excellence in components installation and superior customer service

## **PHILOSOPHY**

At Natsakee Inc., we are committed to seeing India become a “Solar Nation”. For this to happen, the equipment must be affordable, of the highest quality and easily accessible to Home Owners, Schools and Educational Institutions, Community Groups and Businesses. We strive to achieve excellence in supply of products , services and knowledge to support our goals.





## What We Do ...

- Engineering, Procurement and Installation of Solar/Civil/Electrical Projects with Solar Power range being from KW to MW
- Manufacturing & Installation of Various solar applications like Solar Lamps, Street Lights, Home lights, Solar Pumps etc.

## Our Work Scope ...

- Operation and maintenance.
- Organizing the insurance coverage.
- Surveillance and security.
- Technical, legal and financial consultancy

## Our Speciality ...

- Timely Completion of Projects.
- Well connected with Suppliers.
- Excellent Liaising with the Regulators
- Follow Strict Safety Standards



## Development & Acquisition

- Technical and financial feasibility
- Land/Roof Assessment.
- Best-fit options, incentives and activity check list.
- Follow up after submission.
- Liaison with government for permissions

## Engineering, Procurement & Construction (EPC)

- Proven expertise across the entire value chain.
- Ideal technology and design.
- Optimized site-specific designs with customizable solutions
- Access to large and cost-effective supply arrangements with leading suppliers around the world.
- Procurement advantages through established industry relationships.
- Industry-leading safety record management team.
- Proven track record of delivering projects on time and on budget.



**Centralized monitoring project construction and commissioning is the key success factor**

## Operation, Maintenance and Monitoring Services

- ✓ Maintenance of all the critical parts of Power Generation System.
- ✓ Administration of warranty claims to ensure a high level of performance.
- ✓ Monitoring Periodic Performance with detailed analyses





Mobile Solar Power Plant



Solar Home Lighting Systems



Solar Street Lights



Solar Lanterns and Study Lamps

**NESOL**  
**Solar**  
**Products**

## Solar LED Street Lighting Systems



Stand Alone System

- ❖ Super Bright LED Source with Photometric Design for Rectangular beam pattern.
- ❖ High Intensity, High Uniformity and Glare Eliminated Light.
- ❖ Module Integrated Design, Long Life, Easy Maintenance.
- ❖ No hassle of Bulb Replacements.
- ❖ Perfect for Roads, Expressways, Highways.
- ❖ Eliminates the Visual Fatigue which is caused by traditional street lights.
- ❖ High Color Index ( > 75)
- ❖ Tremendous Energy Saving compared to traditional Lamp.
- ❖ Totally Green. No Lead, No Mercury and No Pollution.
- ❖ DC/AC type for Easy adaptation to Standby and Centralized Modes.
- ❖ Customized Models as per requirements.



Solar High-Mast System

## All-In-One/Semi Integrated LED Solar Street Lights



Natsakee Inc. has always kept in pace with changing times and introduced innovative and new features. With change in technology and new inventions, We have introduced Semi-integrated/Alli-In-One Solar Led Street Lights Fitted with Lithium-Ion /Lithium Ferro Phosphate Batteries with state of art BMS fitted along with MPPT Dusk to Dawn controllers integrated with LED Drivers.

### Key Features:

- ❖ Capacity from 7W to 128w LED wattage
- ❖ Integrated/semi-integrated types
- ❖ Separate Solar Modules for Directional Harmony
- ❖ High Quality Lithium Cells for Long durability and optimum back up
- ❖ >90% Efficiency Electronics
- ❖ Optic Lens for dispersed Beam and more flux
- ❖ High Efficacy of LED
- ❖ LED from world leaders like Osram/Nichi/Cree etc
- ❖ Dimmer, Motion Sensors, CCTV integration possible



## LED Solar Lanterns and study Lamps



NESOL Solar lanterns are becoming increasingly popular, especially for students, campers for night time lighting or in areas with unreliable or non-existent electrical service. These lanterns charge the battery during the day and then use that stored energy during the night to provide light on outdoor paths and sidewalks, or for indoor activities such as cooking or reading. The lanterns typically are powered by low-cost and robust SMF/ Lithium ion batteries.

### FEATURES :

- High efficiency
- LED Indications & Dimming option
- Tested at MNRE Approved Labs
- 4 Hours Auto Load cut off (optional)
- Over Voltage and deep discharge Protection,
- No Load Protection, Protection for Reverse battery and solar panel
- Over Voltage Cut off and Load Cut-off after 4 hours.
- USB for mobile Charging.
- Extra 6v Bulb can be used



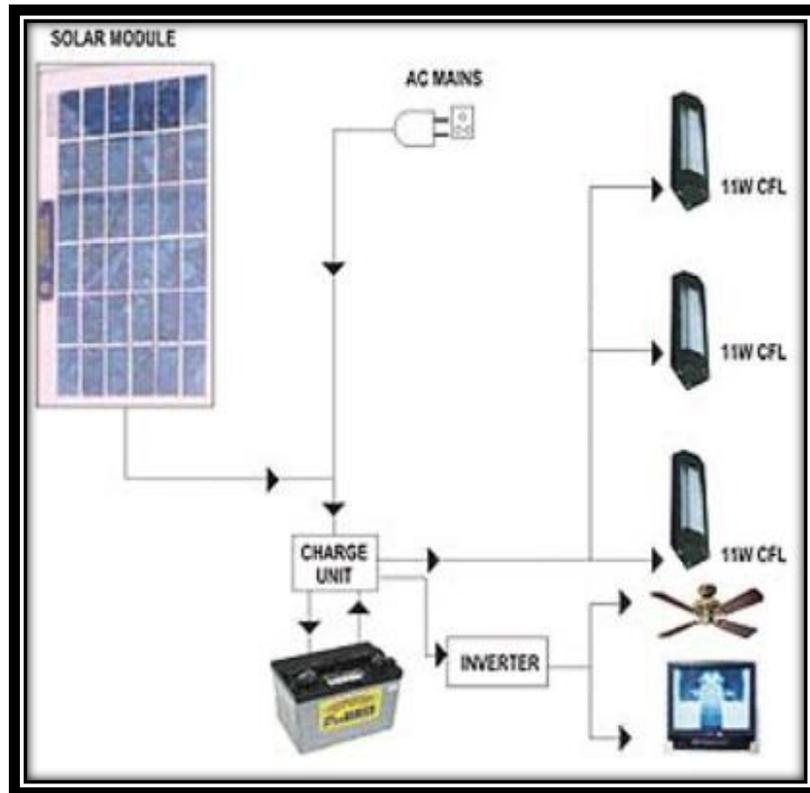


## LED Solar Home Lighting Systems

NESOL have solar lighting options for each and every requirement. To light up lives of people deprived from electricity, we offer standard models and also customized solutions for Home lighting. The Systems include Solar Panel, Charge Controllers/inverters, LED Bulbs, Ceiling or Desktop Fans, Mobile Charging , TV Sockets etc. The system can be designed in Both DC and AC outputs. Systems are available in All in one and Semi-integrated models.

### FEATURES :

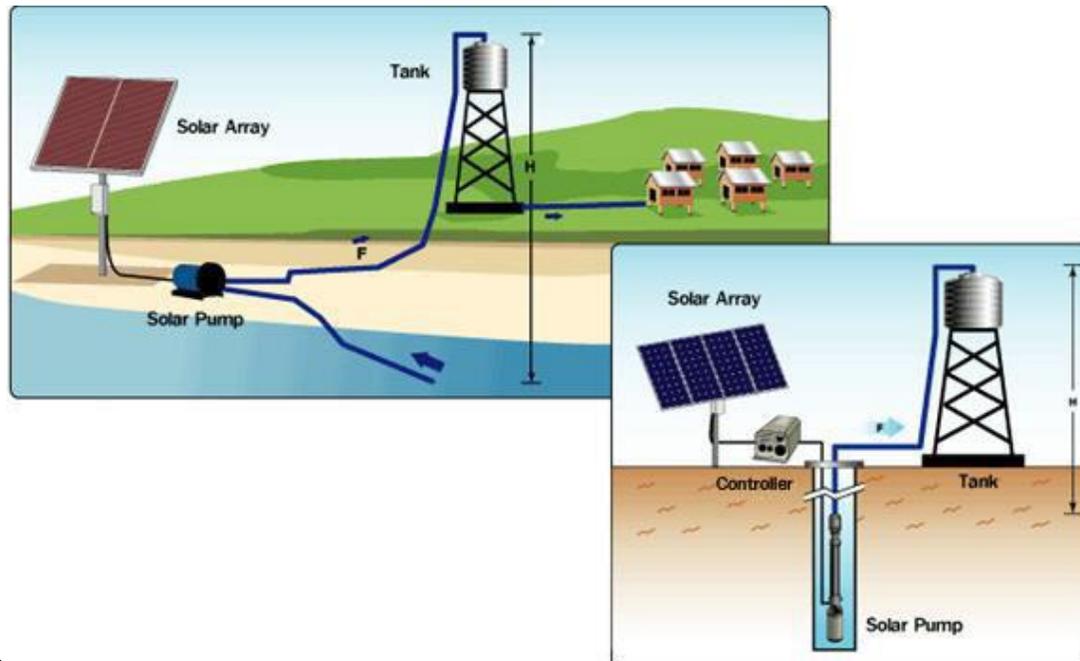
- Portable/Fixed Systems
- 5w/7w LED Lights Included
- DC/AC output options
- Daily usage of up to 6 hours
- Over Voltage and deep discharge Protection
- No Load Protection, Protection for Reverse battery & solar panel
- DC Ceiling/Table/Pedestal Fan options
- USB for mobile Charging.
- Low Cost-High Efficiency Systems
- Tested at MNRE Approved Labs
- Most widely used by Rural Sector/Small shops/Vegetable Vendors





## Solar Pumping Systems

Solar Water Pumping System use state-of-the art photovoltaic technology to provide reliable solutions for a variety of water delivery applications such as potable water, irrigation and livestock watering. Solar technology is a perfect match for water pumping applications. Solar systems have many advantages over traditional generator-powered systems. For instance PV systems do not require fuel or constant maintenance and can be designed for portability to be moved as water demand or the change of seasons requires. In addition, the systems are modular and can be quickly expanded as demand increases. A typical Systems consists of a pump, controller, and PV array. An optional tracker is available which follows the sun during its arc through the sky and can boost water pumping efficiency by 25 to 40%. A battery system is also available in the cases where a gravity-fed system is not possible.



### Ideal For...

- ✓ Village Water
- ✓ Medical clinic water
- ✓ Livestock watering
- ✓ Residential well pumping
- ✓ Remote Rest Rooms
- ✓ Pond Aeration
- ✓ Desalination

## **GIST OF COMPLETED PROJECTS**



- 1. 3000+ Solar Led Street Lights in Northeast Region**
- 2. 1MW Solar Power Plant Installation at Numaligarh Refinery Limited**
- 3. 1MW+ Solar Power Plant Installed at Guwahati Refinery**
- 4. 2MW+ Solar Power Plant Installed in Industrial Sector**
- 5. 1800+ Nos. Solar Home Lighting Systems under SAUBHAGYA in Tripura**
- 6. 10000+ Solar Home Lighting System under SAUBHAGYA in Assam**
- 7. More than 500 KW Solar Power Plant for N.F. Railway**
- 8. More than 25000 Solar Led Solar Lanterns sold across India**
- 9. Civil Projects completed under JJM in Assam valuing more than 30 crores**



## ON-GRID, HYBRID AND OFF-GRID SOLAR POWER PLANTS

Solar Power Station consists of PV array which generates DC electricity from sunlight, a battery bank to store the DC energy and an inverter to convert from DC to utility grade AC electricity. Power Stations are available in 3 configurations a “Hybrid” that works both as On grid and Off grid System to supplement battery charging, Purely On Grid Systems and a Pure Off Grid System. Solar Power Station are mounted on weather-proof steel/aluminium structures. Custom configurations for specific voltage or power requirements are available for a reliable power source in any remote application. An optional trailer mount is available. The Solar Power Station consists of a PV array which generates DC electricity from sunlight, a battery bank to store the DC energy and an inverter to convert from DC to utility-grade AC electricity.

### 100 Kwp OFF GRID SOLAR POWER PLANT AT OIL INDIA LIMITED



**Solar  
Tree  
50 Kw  
At  
IOCL  
Guwahati**



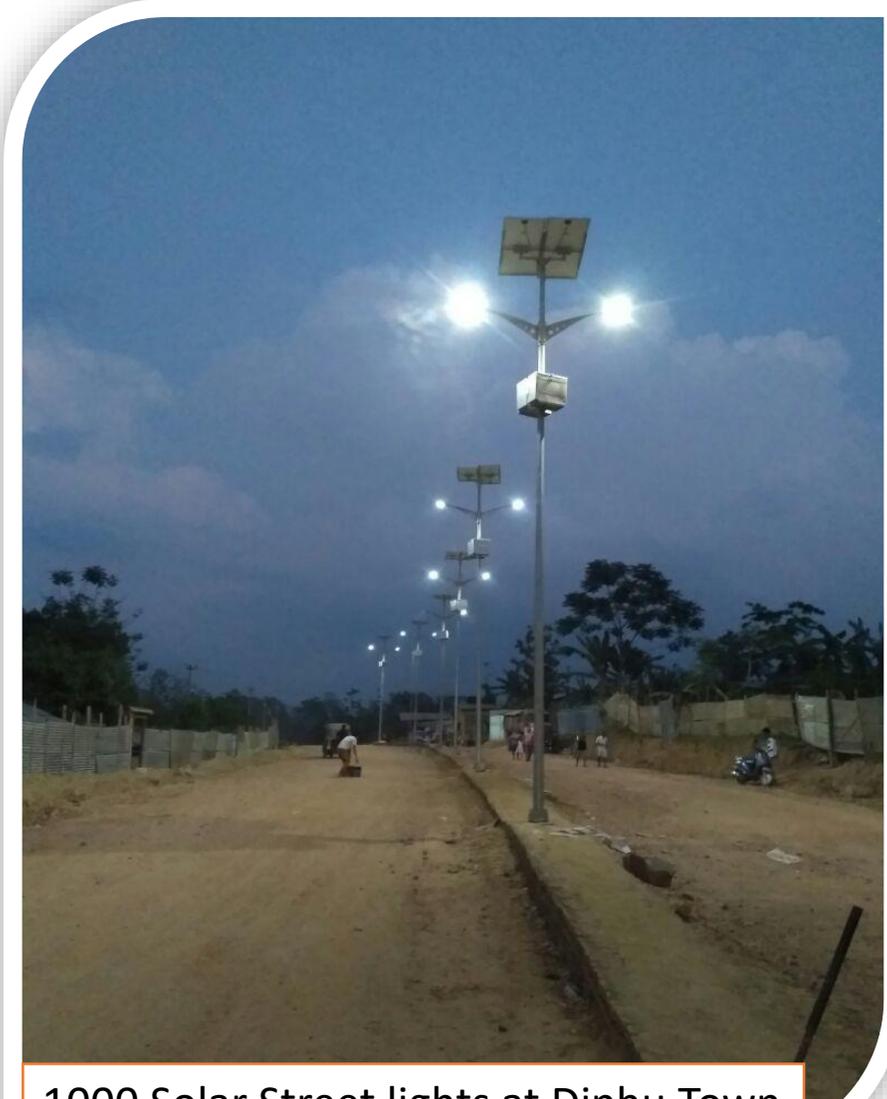
**1400 Kw On-Grid Solar Power Plant At Jumbo Roofs & Tiles  
(JRT LLP) at Guwahati**



**1000 Kw On-Grid Single Axis Tracker Solar Power Plant At  
Numaligarh Refinery Limited**



Wind-Solar Hybrid at Tura



1000 Solar Street lights at Diphu Town



150 kw at SDO Dadenggre Meghalaya



61 set of Solar Power Plants at Various NFR Railway Stations

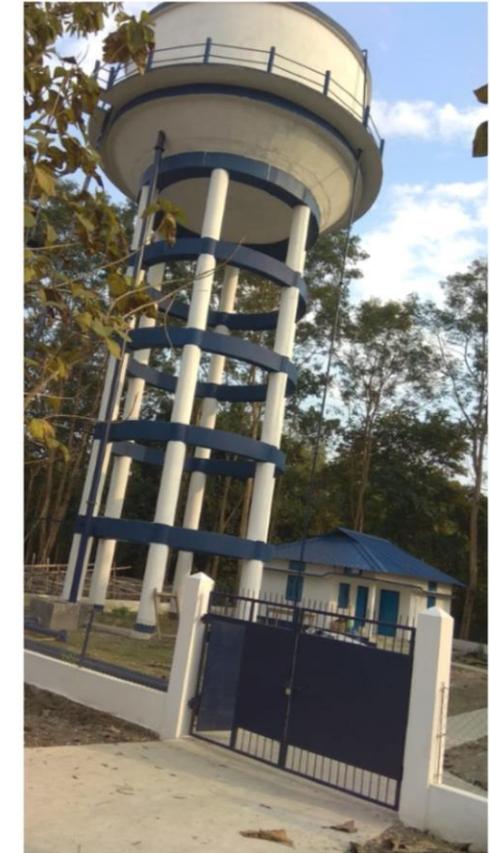


37 Kw at NRL Corporate Office, Guwahati



50 KW ON GRID AT AOD, IOCL- DIGBOI

**Public Water supply scheme Under JJM**



**No. 1 Koklabari, Assam**

# SILVOFIL™

## Water Purifying Technology

# NESOL®

**SILVOFIL™ is a Technology invented by Natsakee Inc. used in non electric based water filters. It is a low cost device to filter impure water into clean drinking water. The filter is most used to cater the needs for clean drinking water, especially when the water is rich in sediments, suspended particles and certain micro-organisms causing water borne diseases. It must be suitable for areas where water, from both surface & ground water sources like dug wells, ponds, tube wells and rivers is used for drinking purpose. The filter must attain all the parameters as per IS-10500 & IS- 3025.**

### Specification:

Filter System Includes	:	1 nos. of 220 mm Silvofil disc and filter body
Container Type	:	Top quality Food Grade Plastic/ Virgin gr-1 plastic
Capacity available	:	30 Liter
Rate of Filtration	:	3-4 LPH
Size of Disc	:	220 mm diameter with 50 mm thickness
Tank Size	:	16 Ltr. Raw water & 16 Ltr. filtered water chamber
Life span of disc	:	4-5 years
Working range	:	Turbidity- up to 500 NTU
Iron	:	up to 15 ppm
Micro-organism removal	:	96-100%
Silver Content	:	> 12 mg/kg

### Quality of Treated/ Filtered Water:

Turbidity	:	Within BIS Limit & WHO Standard
Iron	:	Within BIS Limit & WHO Standard
Micro-organism	:	Within BIS Limit & WHO Standard
Total Hardness	:	Within BIS Limit & WHO Standard
Dissolved Solid	:	Within BIS Limit & WHO Standard
Cl	:	Within BIS Limit & WHO Standard
Ca	:	Within BIS Limit & WHO Standard
Increase in pH	:	Within 1.0 %

**NESOL**  
**6 STAGE**  
**NATURAL MINERAL BASED**  
**WATER FILTER SYSTEM**  
**WITH SILVOFIL DISC**

*Purity in every Drop...*

**100% NATURAL FILTRATION**

**SILVOFIL™**  
Revolutionary Technology with 6 stage Purification  
The Ultimate WATER PURIFICATION SYSTEM

An ISO 9001:2008 Certified Company

NABCB

IAF

Made From Food Grade Virgin Plastic

www.nesolindia.com

## Winner of SOLAR AWARDS in 2019



**Natsakee Incorporation has been recognised as the Best Solar Company in entire Northeast Region. It has won various awards at recently concluded Solar Roofs Congress – Northeast. These awards are the most prestigious and coveted awards in Solar Industry all over India. It is indeed an honour to win these awards. Natsakee has been winner of:-**

- **Best EPC Company In Northeast**
- **Best Project Developer In Northeast**
- **Best Project In Northeast**
- **Leader Excellence Award**



# Winner of SOLAR AWARDS in 2020



**Awards at Pan India Level.  
Presented by Shri Hiren  
Borah, Scientist MNRE, Govt.  
of India.**

- Best Solar Epc Company
- Best System Integrator

**Again we Rocked the Stage..**



**Winner of**

- Best Solar Brand
- Solar Leadership Award

**By**

**World Csr Foundation**



## Solar Awards in 2021



The legacy continues...

Natsakee Incorporation has been once again recognised as the Best Solar Company in Northeast Region. It has won various awards at recently concluded “**India Rooftop Solar Congress**”. These awards are the most prestigious and coveted awards in Solar Industry all over India. It is indeed an honour to win these awards.

Natsakee has been winner of:-

- **Best EPC Company In Industrial Segment**
- **Best System Integrator**



## Solar Awards in 2022



Another Year of Performance and Recognition...

Natsakee Incorporation once again gets recognised as the Premium Solar Company in Northeast Region. It was honoured with various awards at recently concluded “**India Rooftop Solar Congress-2022**”. These awards not only represent our commitment to Quality Products and workmanship but also act as catalyst to our zeal for excellence.

Natsakee has been winner of:-

- **System Integrators of Year –Northeast**
- **Company of the Year- Off Grid Systems**



# Few of Our Prestigious Clients...



**Assam Power Distribution  
Company Limited**





**SILVOFIL™**



***ENERGY SAVED IS ENERGY GENERATED***

*(Switch Off the loads when not in use.. It makes a big difference)*



**THANK YOU**