

RE Practices in Nepal - Solar Thermal Energy Technologies Solar Parabolic Cooker, Nepal



Cost of cooker ~ US\$ 120

Source:

Rural Integrated Development Service (RIDS) - Nepal

G.P.O. Box: 8975

E.P.C. No: 2704

Everest Postal Care

Kathmandu,

Nepal.

www.rids-nepal.org

Contact: Mr Alex Zahnd

RIDS-Nepal Project Director

Tel. 911126192954

Email: azahnd@wlink.com.np

RE Practices in Nepal – Solar Thermal Energy Technologies

Solar Parabolic Cooker, Nepal



Features:

- 100% safe, effective, economical and environment friendly.
- Cooks Rice, dal, vegetables, rotis and boils egg etc
- Perfect for Kitchen, Homes, Farmhouses, Guest Houses and Picnic Groups

Source:

Kathmandu Power Company Pvt Ltd.

Post Box No: 21533

Kathmandu, Nepal.

Telephone Number: + 977-1-4462716

Fax Number: + 977-1-4357095

Cell Phone: + 977-9851023228

Email info@kpc.com.np

Website : www.kpc.com.np

RE Practices in Nepal – Solar Thermal Energy Technologies

Simple Solar Dryers



Ginger Drying in Solar Dryer



Tent Dryer



Mud Solar Dryer Nepal

These are very simple designs and the size can vary. Further details are not available.

Source:

Centre for Rural Technology, Nepal (CRT/N)
Kumaripati, Lalitpur, Nepal
P.O. Box 3628
Phone No: 977-01-5537556
Email: info@crtnepal.org

RE Practices in Nepal – Solar Thermal Energy Technologies

Solar Dryer, Nepal



A community solar drier Solar drier drying cabinet with 6 drying trays

Features:

- Collector casing is made of galvanized iron (GI) sheet.
- Glazing is 3 mm thick and tempered window glass.
- Absorber consists of two layers. The bottom layer is a black-painted GI sheet on top of the back insulation. The top layer is a black-painted perforated plate, which rest on supports fixed to the bottom layer.
- Air enters the collector through an insect-proof opening on the underside of the bottom of the collector (to prevent dust stirred up by winds from entering the solar drier), which is inclined at 40° to the horizontal.
- A baffle at the bottom of the collector directs air in between the two absorbing layers. Some of this air passes through the perforated upper layer. The remainder stays between the two layers. Both air streams meet at the top of the collector, where the heated air enters the dryer cabinet through an opening covered with insect mesh.
- Cabinet contains six drying trays enough for storing a considerable amount of food.
- A small 12-volt, solar PV - battery powered fan system, located inside the upper chimney, can be additionally installed to vary the air flow through the collector and solar dryer.

Source:

Rural Integrated Development Service (RIDS) - Nepal

G.P.O. Box: 8975

E.P.C. No: 2704

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Kathmandu,

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RE Practices in Nepal – Solar Thermal Energy Technologies

Solar Cabinet Dryer



Modified Cabinet Type Solar Dryer at by RECAST

Parameter	Design Details
Mode of drying	Indirect
No. of glazing	Double
Temperature of incoming air	Higher than ambient temp.
Method of loading & unloading	By pulling the drawer at the back side
Provision of ventilation	Chimney at the top
Type of ventilation	Natural
Slope of glazing	30 Degrees
Area of glazing	0.85 m ²
Drying area	0.8 m ²
Drying capacity	4.5 kg (fresh)
Material used in construction	Steel section, aluminum sheets, glass sheets and glass wool
Items being dried	Vegetable, Fruit, Herbs
Cost	NR 12,000 (1998)

Source:

Research Centre for Applied Science and
Technology, Tribhuvan University
P.O. Box 1030, Kirtipur, Kathmandu, Nepal
Tel: +977 1 330348
Fax: +977 1 331303

RE Practices in Nepal – Solar Thermal Energy Technologies

Solar Rack Type Dryer



Modified Rack Type Solar Dryer at RECAST

Parameter	Design Details
<i>Collector</i>	
a) Area	200 cm × 100 cm
b) No. of glazing	Double
c) Height of the stand	100 cm
<i>Drying Chamber</i>	
a) No. of doors	2
b) No. of racks	4
c) No. of trays	8
d) Effective tray area	1.5 m ²
e) Volume	0.3 m ³
f) Drying capacity	8-10 kg (fresh)
Ventilation	Forced, with 2 DC fans
Materials used in construction	Wood, steel section, aluminium sheets, glass sheets and glass wool
Items being dried	Vegetable, Fruit, Herbs
Cost	NR 32,000 (1993)

Source:

Research Centre for Applied Science and
Technology, Tribhuvan University
P.O. Box 1030, Kirtipur, Kathmandu, Nepal
Tel: +977 1 330348
Fax: +977 1 331303

RE Practices in Nepal – Solar Thermal Energy Technologies

Solar Tunnel Dryer



Modified Tunnel Type Solar Dryer at RECAST

Parameter	Design Details
<i>Collector</i>	
a) Area	1.5 m × 1.22 m
b) No. of glazing	Double
c) Height of the stand	1 m
<i>Drying Chamber</i>	
a) No. of doors	2
b) Effective tray area	16 m ²
c) Drying capacity	70 kg (fresh)
Ventilation	Forced, with three DC fans operated with a solar panel. No exhaust chimney and no venturi
Materials used in construction	Wood, steel section, aluminium sheets, glass sheets and glass wool
Items being dried	Vegetable, Fruit, Herbs
Cost	NR 300,000 (1993)

Source:

Research Centre for Applied Science and Technology (RECAST)

Tribhuvan University

P.O. Box 1030, Kirtipur, Kathmandu, Nepal

Tel: +977 1 330348

Fax: +977 1 331303

RE Practices in Nepal – Solar Thermal Energy Technologies

High Altitude Solar Hot Water System, Nepal



Features:

- Solar Hot Water System with adjustable reflectors, for bathing.
- Absorber and insulated pipes can be shut off from the insulated tank and emptied through hand valve as part of the freezing protection.
- Provides enough water for 40 people per day for bathing; 10 liters of 50°C hot water per head.

Source:

Rural Integrated Development Service (RIDS) - Nepal

G.P.O. Box: 8975

E.P.C. No: 2704

Everest Postal Care

Kathmandu,

Nepal.

www.rids-nepal.org

Contact: Mr Alex Zahnd
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RE Practices in Nepal – Solar Thermal Energy Technologies

Solar Cookers, Ovens, Water Pasteurizers



Solar Box Cooker



3-Plated Solar Panel Cooker
Pasteurizes one Liter water in 01 hr.



Solar Oven (with 04 reflectors)
Cooks 2-3 food items for up to 3 persons at a time in 02 hr.



Solar Water Pasteurizer
Pasteurizes 14-16 liters water in a day and keeps hot for 10-12 hours after sunset.

Source:

Foundation for Sustainable Technologies (FoST)

Golkopakha, Thamel

G.P.O.Box 10776

Kathmandu, Nepal

Phone: 977-1-4361574 and 977-1-4351225

E-mail: fost@ntc.net.np

www.fost-nepal.org

RE Practices in Nepal – Solar Thermal Energy Technologies

Solar Dryers, Disinfectors, Nepal



Solar Water Disinfectors
Disinfects 9-12 liters water.



Solar Dryer (four-faced sun-tracking model), Dries 3.5 kgs



Solar Dryer



Solar Dryer

Source:

Foundation for Sustainable Technologies (FoST)

Golkopakha, Thamel

G.P.O.Box 10776

Kathmandu, Nepal

Phone: 977-1-4361574 and 977-1-4351225

E-mail: fost@ntc.net.np

www.fost-nepal.org

RE Practices in Nepal – Solar Thermal Energy Technologies

Solar Dryers

No Diagram

SUNKING QUICKDRY designed and manufactured by us are highly efficient, handy, and easy to install and operate. These dryers are available in different sizes suitable for households to industrial use. The color and flavor of the dried food and crop remains almost intact and can be stored for considerably long period.

Where can a SUNKING QUICKDRY can be used?

- Agriculture crop drying,
- Food processing industries for dehydration of fruits, potatoes, onions and other
- Vegetables and meats,
- Dairy industries for production of milk powder, casein etc.,
- Seasoning of wood and timber,
- Textile industries for drying of textile materials.

We also design and fabricate custom size dryers for any application on customers' request.

Contact us for further information on solar dryer.

Marketed by:

Solar Energy Systems Pvt. Ltd

GPO Box: 6758, Subarna Samsher Marg, Gairidhara, Kathmandu

Telephone/ Fax: +977-01-4445523

E-mail: nepalsolar@wlink.com.np

website: <http://www.nepalsolar.com/>

RE Practices in Nepal – Solar Thermal Energy Technologies

Solar Water Heater (Vacuum tube)



Detail diagram of Solar-pro heating system.



Features:

1. Insulation material: 50 mm thick polyurethane insulation to keep water hot for up to 72 hours.
2. Water tank cover: Highest quality anti-rust stainless steel for long life.
3. Inner water tank: Corrosion resistant food grade SUS 304 stainless steel hot water storage tank.
4. Gasket: Made from high quality silicon rubber to ensure long life and durability.
5. Bracket frame: Heavy duty rust proof stainless steel frame for long durability.
6. Vacuum Tube: Borosilicate glass vacuum tube with German high heat absorbing coat for fast water heating.
7. Heat reflection board: Anti-rusts stainless steel profiled reflection board for higher heat reflection.
8. Base: Stainless steel base plate for frame fixing

Models Available:

Non Pressurized Tank Models

Model No.	Number of Tubes	Length-m	Litre
SP 470 - 20 L	20	1.5	200
SP 470 - 24 L	24	1.5	240
SP 470 - 30 L	30	1.5	300
SP 470 - 20 XL	20	1.8	240
SP 470 - 24 XL	24	1.8	280
SP 470 -30 XL	30	1.8	360
SP 470 - 20 XL Nova	20	1.8	240
SP 470 - 24 XL Nova	24	1.8	280
SP 470 -30 XL Nova	30	1.8	360

Marketed by:

Jyotishree Pvt. Ltd., P.O. Box: 13254, Bagbazar, Kathmandu, Nepal

Phone: 97714226461/4229220/4230314

Fax: 977-1-4242613

Email: jyotishree@jyotishree.com; www.jyotishree.com

RE Practices in Nepal – Solar Thermal Energy Technologies

Solar Water Heater (Flat Plate)



Available models:

- » SUN KING 125
- » SUN KING 250
- » Large systems are also available to suite the requirement of the customers.

Guaranteed Technical Specification	
COLLECTOR	
Description	Models
	SUN KING 125 SUN KING 250
Model name	[SOLCHROME-1000]
Dimensions	1860 mm x 1240 mm x 100 mm ± 10 mm
Weight	48 kg. Approx. per collector
Collector box	Powder coated anodized extruded aluminum channel 1.6 mm thick.
Absorber material	Copper
Coating	Selective coating - black chrome over nickel-plated copper plate.
Absorber panel	<u>Fin</u>
	10 nos of Tig welded fin and tube fin : 0.2 mm x 122 mm x 1710 mm, Riser pipe
	Copper tube with 12.7 Øx 0.56 x 1716 mm
	<u>Manifold (Header/footer pipe)</u>
	Copper Tube with 25.4 mm Ø x 0.71 x 1295 mm
Collector area	2.12 m2 per collector
Absorption coefficient	>= 0.94*
Emission coefficient	< 0.12*
Glazing	Toughened Solar glass with more than 85% transmittivity.
Thermal insulation	High Density (48kg/m3) Rockwool / Glasswool, back – 50mm & sides - 25mm
End connections	Brass flanges
Standard	IS: 12933 (Pt-I) [ISO 9001 certified]
No. of collector per set	1 (One) 2 (Two)
Guaranteed "Trouble-free" Life	More than 25 years (Depends on water properties)
	Large systems are also available to suite the requirement of the customers

HOT WATER STORAGE TANK		
COLLECTOR		
Models		
Description	SUN KING 125	SUN KING 250
Inner Tank	304 grade (food grade) Stainless steel	
Outer Tank	Aluminum colored GI sheet (SS / Aluminum sheet on demand)	
Dimensions	Inner: Ø 400mm x length 1000mm Outer: Ø 570mm x length 1200mm ± 5 mm	Inner: Ø 400mm x length 1200mm Outer: Ø 570mm x length 2200mm ± 5 mm
	Inner: ?400mm x length 1000mm Outer: ?570mm x length 1200mm	
Insulation	100 mm (+15%)High density Glass wool / Rock wool	
Pressure tested at	Non pressurized. (Can be custom built to work in pressurized system)	
Capacity	125 liter	250 liter
Guaranteed "Trouble-free" Life	25 years (Depends on water properties)	

OTHER SPECIFIC FEATURES		
Description	Models	
	SUN KING 125	SUN KING 250
Total collector Area/per unit	2.12 m2	4.24 m2
Potential to capture solar radiation (At 100% efficiency.)	10.0 kWh/day (Based on Kathmandu daily annual average Insolation – 4.5 kWh/day/m2)	18.9 kWh/day (Based on Kathmandu daily annual average Insolation – 4.5 kWh/day/m2)
Yield efficiency ~ 65% Reference of other SWH available in Nepal: Conventional GI panel 18-23% Evacuated tube 40-50%	~ 6.2 kWh/day	~ 12.4 kWh/day
Temperature Rise (? t)	~ 45oC.	
Heat Loss (over night)	< 10%	
Technology	The state of art Canadian Technology	
Heating efficiency	62.5 LPD - 60oC/m2	
Certification	Copper fin collector manufactured by SOLCHROME System India ltd. - ISO 9001 -2000 certified Company.	
Standard	IS: 12933 (Pt-I)	

Marketed by:

Solar Energy Systems Pvt. Ltd

GPO Box: 6758, Subarna Samsher Marg, Gairidhara, Kathmandu

Telephone/ Fax: +977-01-4445523

E-mail: nepalsolar@wlink.com.np

website: <http://www.nepalsolar.com/>

RE Practices in Nepal – Solar Thermal Energy Technologies

Industrial Solar Water Heater, Solar Evaporator for Harvesting Distilled Water, Antifreeze Solar Water Heater

Industrial Solar Water Heater

Solar water heater comprising copper fins collector can assure of high saving and attractive pay-back to any industry that uses other form of energy for any heating application.

What are the advantages of solar water heater in your industry?

- Around 1.5 year's payback for industry using electric boiler/steamer.
- 2-3 year's payback for industry using kerosene/diesel boiler/steamer.
- Trouble-free life of 20 plus years depending on water quality.
- After payback period perpetual saving for decades.
- High social and international respect for invaluable contribution to environmental conservation by using renewable energy sources.

Who should think of installing solar water heater?

- Wool and fabric dyeing industries.
- Garment industries.
- Food processing industries.
- Soap and chemical industries.
- Leather processing industries.
- Pulp and paper industries.
- Dairy industries.
- Other industries having any heating requirement.

What we offer you?

- Free thermal energy audit and consultancy.
- System design, supply and installation of solar water heater.
- Complete financial analysis including project appraisal with calculation of PBP, NPV & IRR

Solar Evaporator for Harvesting Distilled Water

Different sizes of solar distiller giving up to 10 liter per day output are available. For remote customers who are using PV system for lighting, these evaporators can be good solution for getting distilled water. Large system suffices distilled water requirements of communities. Also design and fabricate custom size evaporator for any application.

Antifreeze Solar Water Heater

Solar Energy System Pvt. Ltd. is the first company in Nepal to design, manufacture and test anti-freeze solar water heaters at high altitude zone of Nepal. Today we lead the industry in designing and manufacturing the efficient anti-freeze solar water heater that works well in all freezing areas.

SUN KING –AF series solar water heater are available in various models and sizes. Portable public shower rooms with various size solar water heaters are also available for high altitude areas. AF solar water heater are also best known for space/room heating in freezing areas.

Marketed by:

Solar Energy Systems Pvt. Ltd

GPO Box: 6758, Subarna Samsher Marg, Gairidhara, Kathmandu

Telephone/ Fax: +977-01-4445523

E-mail: nepalsolar@wlink.com.np : **website:** <http://www.nepalsolar.com/>

RE Practices in Nepal – Solar Thermal Energy Technologies

Solar Dryer



FEATURES :

Tunnel type Modular, Solar dryer 4'x6' Collector/Dryer Area 2m² Dryer temperature 45-55°C, with forced air circulation Max. 1m/sec. Available in different models and sizes, No consumable fuel required, All taste, vitamins, minerals are hygienically preserved.

APPLICATIONS :

Fruits, Spices, Meat, Vegetables, Fish etc.,

Marketed by:

Krishna Grill & Engineering Works (PVT.) LTD.

www.krishna.grill.free.fr

List of Solar Energy Technology Suppliers in Nepal

Jyotishree Pvt. Ltd.

- **Business type:** wholesale supplier, importer
- **Product types:** solar water heating systems, water filtering and purification systems.
- **Address:** Bagbazar, Kathmandu, , Kathmandu Nepal 13254
- **Telephone:** 00977-1-4226461,4229220
- **FAX:** 00977-1-4242613
- **Web Site:** <http://www.jyotishree.com/>
- **E-mail:** Send Email to Jyotishree Pvt. Ltd.

Alternative Energy Resources Nepal Ltd.

- **Business type:** retail sales, wholesale supplier in Nepal only.
- **Product types:** solar electric power systems, renewable energy system, batteries, DC to AC power inverters, photovoltaic modules, photovoltaic systems component such as solar charge controllers, solar lights etc..
- **Service types:** design, installation, construction in Nepal only.
- **Address:** GPO Box 19404, Kathmandu, Nepal
- **Telephone:** +977 4416701
- **FAX:** +977 4416356

Envirotech P. Ltd.

- **Business type:** retail sales, wholesale supplier
- **Product types:** photovoltaic modules, solar water pumping systems.
- **Address:** Baluwatar, Kathmandu, Nepal Nepal 00000
- **Telephone:** 00977-1-4435245

Esco Nepal P Ltd.

- **Business type:** manufacturer
- **Product types:** solar water heating systems, hydroelectric turbines, wires and cables LV, PVC Water tank, Wind energy.
- **Address:** GPO # 3572, Dillibazar, 85 Lokpriya Marg , Katmnanadu, Bagmati Nepal
- **Telephone:** 00977-1-4434003
- **FAX:** 0097714439319

Krishna Grill & Engineering Works (Pvt.) Ltd.

- **Business type:** manufacturer, retail sales, wholesale supplier, exporter
- **Product types:** pico hydro, micro hydro energy system components , photovoltaic home light systems, solar PV street lights, Solar PV pumps, Solar pV freidges, solar air heating system components, solar water heating components, solar cooking systems, DC to AC power inverters, Induction Generater Controller, Battery Chargers, Windmill for pumping, Wind Turbines for electricity, Treadle Pumps, Treadle power, Solar/Wind Hybrid systems, Hydro/Solar/Wind Hybrid systems etc..
- **Service types:** surveyer, disegner, installer for renewable products
- **Address:** PO Box 150, Main Road South, Bhumiprasasan Chowk, 321, Biratnagar-13, Koshi Zone Nepal
- **Telephone:** 00977 21 525492/535904
- **FAX:** 00977 21 531162

Lassersun Energy Private Limited

- **Business type:** manufacturer, retail sales, wholesale supplier, exporter, importer
- **Product types:** photovoltaic systems, photovoltaic modules, refrigerators and freezers, solar charge controllers, solar water pumping systems, Full Range of Solar Related Products , Batteries , UPS , Micro Hydro , Vaccine Refrigerators.
- **Service types:** design, installation, project development services, maintenance and repair services
- **Address:** Sanepa , Lalitpur, Nepal 8138
- **Telephone:** + 977 1 545 820
- **FAX:** + 977 1 52 26 27
- **E-mail:** [Send Email to Lassersun Energy Private Limited](#)

Lotus Energy Pvt. Ltd.

- **Business type:** Manufacturer, Wholesale, Supplier, Retail Sales, Service, Installer
- **Product types:** Complete Solar Energy Systems, photovoltaic modules, rechargeable batteries, Power backup systems, Solar charge controller, Solar pumps, Solar Tukis(alternate to kerosene lamp), Solar LEDs, Solar prayer wheels, Solar ozone water purification systems, etc.
- **Address:** P. O. Box 9219, 1679 Thirbam Sadak 3, Bhatbhateni, Kathmandu, Bagmati, Nepal.
- **Contact:** Adam Friedensohn (Chairman); Email: adam@lotusenergy.com
- **Telephone:** +977 (1) 441 8203
- **FAX:** +977 (1) 441 2924

Nabajyoti Urja (P) Ltd.

- **Business type:** manufacturer, wholesale supplier, exporter, importer
- **Product types:** solar electric power systems, solar water pumping systems, solar charge controllers, Complete Solar and Alternate Energy Systems, photovoltaic modules, rechargeable batteries, inverters..
- **Address:** Samakoshi, P.O Box: 19655, Kathmandu, Bagmati Nepal 19655
- **Telephone:** +977-1-4354939
- **FAX:** +977-1-4354939

Natural Resources Industries

- **Business type:** retail sales, wholesale supplier, importer, engineering, Agent
- **Product types:** Backup power systems, photovoltaic systems, sealed lead acid batteries, Electric cars, VRLA Batteries, UPS, DC-DC converters, Inverters, Test Equipment, Charger Controllers, Hydro Power equipment and spares.
- **Address:** 1303 Devkota Sadak, Old Baneshwor, Kathmandu, Nepal 410
- **Telephone:** (+977 1) 44 61 848
- **FAX:** (+977 1) 44 61 948

Nepal Energy Development Company (Pvt.) Ltd. (NEDCO)

- **Business type:** retail sales, wholesale supplier
- **Product types:** appliances, custom batteries, water heating systems, sun concentrating photovoltaic systems, photovoltaic modules, compact fluorescent lighting, Compact Fluorecent Lamps (CFL), Complete Solar Home Systems, Complete Solar Water Heating Systems.

- **Service types:** consulting, installation
- **Address:** Bharatpur-10, Chaubiskothi, Chitwan, Narayangarh, Narayani Nepal 26, Bharatpur
- **Telephone:** 00977-56-21563
- **FAX:** 00977-56-24275

Perennial Energy Nepal (P) Ltd.

- **Business type:** manufacturer, retail sales, wholesale supplier, importer
- **Product types:** photovoltaic modules, water heating systems, renewable energy system batteries, hydro energy system components (small), solar water pumping systems, backup power systems.
- **Service types:** project development services
- **Address:** Naxal, Kathmandu, Nepal P.O.Box : 4395
- **Telephone:** +977-1-415005, 421640
- **FAX:** +977-1-425968

Solar Electricity Co. P. Ltd.,

- **Business type:** manufacturer, wholesale supplier, importer
- **Product types:** solar lighting systems, remote home power systems, solar charge controllers, batteries lead acid deep-cycle, batteries watch, backup power systems.
- **Service types:** consulting, design, installation, engineering, project development services, education and training services, research services, maintenance and repair services
- **Address:** P O BOX 12515, Solar Complex, Baghbazar, Kathmandu, Nepal
- **Contact:** Yug RatnaTamrakar (Managing Director), ises@healthnet.org.np
- **Telephone:** 977 1 4225253
- **FAX:** 977 1 4223851

Sun Power Pvt. Ltd.

- **Business type:** manufacturer, retail sales
- **Product types:** photovoltaic systems, DC to AC power inverters, water heating systems, solar water pumping systems.
- **Address:** Baluwatar-4, Kathmandu, Nepal 977
- **Telephone:** 977-1-4440354

Sunrise Energy and Accessories Works

- **Business type:** manufacturer, retail sales, wholesale supplier, exporter, importer
- **Product types:** solar charge controllers, DC to DC power converters, compact fluorescent lighting fixtures and ballasts, LED lighting, micro-processor based solar charge controller, solar lantern.
- **Address:** Ga-2, 545, Makhan Tole, Kathmandu, Nepal, Kathmandu, Nepal
- **Telephone:** +977 1 4223755, 4301451

Suryodaya Urja Pvt. Ltd.

- **Business type:** manufacturer, retail sales, wholesale supplier, importer
- **Product types:** photovoltaic systems, lead acid batteries, solar charge controllers, DC lighting, photovoltaic modules, DC to AC power inverters.
- **Service types:** design, installation, site survey and assessment services, maintenance and repair services

- **Address:** Lila Nagar, DHAPASI-2, Kathmandu, Nepal
- **Telephone:** +977 1 437 9000
- **FAX:** +977 1 437 4496

Wisdom Light Group

- **Business type:** manufacturer, wholesale supplier, importer
- **Product types:** photovoltaic modules, compact fluorescent lighting fixtures and ballasts, DC to DC power converters, photovoltaic systems, renewable energy system batteries, solar charge controllers.
- **Service types:** installation, maintenance and repair services
- **Address:** Basundhara, GPO Box 6921, Kathmandu, Nepal
- **Telephone:** + 977-1-4377254 & 4377255
- **FAX:** + 977-1-4377256

Pre-Qualified Manufacturing Solar Company

NAME OF THE ORGANIZATIONS	CONTACT PERSON	CONTACT DETAILS
Solar Electricity Company Pvt. Ltd. (SEC)	Yug Ratna Tamrakar (Managing Director)	Bagbazar, Kathmandu Tel: 4225253, 4227876 ises@healthnet.org.np
Lotus Energy Pvt. Ltd. (LTS)	Adam Friedensohn (Chairman)	Bhatbhateni, Kathmandu Tel: 4418203 adam@lotusenergy.com
Suryodaya Urja Pvt. Ltd. (SDU)	Bimal Ghimire (Managing Director)	Dhapashi, Kathmandu Tel: 4353420, 4354838 bimal@suryodaya.wlink.com.np
Kathmandu Power Company Pvt. Ltd. (KPC)	Mr. Raju Rai (Director)	Shantinagar, Kathmandu Tel: 4462716 kpc@mail.com.np
Krishna Grill & Engineering Pvt. Ltd. (KGC)	Mr. L.M. Rajbhandari (Managing Director)	Bhumiprashasan Chowk, Biratnagar-13, Morang District Tel: (21) 525492 kgkctc_brt@wlink.com.np
Rural & Alternative Energy Pvt. Ltd. (RES)	Mr. Prakash Subedi (Manager)	Vyas Municipality -11 Main Road Damauli, Tanahu Tel: (065) 560573 resurja@infoclub.com.np
Nepal Energy Development Company Pvt. Ltd. (NED)	Mr. Shekher Aryal (Chairman)	Bharatpur, Chitwan Tel: (56) 521563 rgqbha@techminds.com.np
Scientific Technology Pvt. Ltd. (STL)	Ms. Anamika Pradhan (Director)	Tangal, Kathmandu Tel: 4423638, 4419179 scientific@wlink.com.np
Everest Solar Energy Pvt. Ltd. (ESE)	Singh Ras Ghale (Managing Director)	Gongabun Balaju, Kathmandu Tel: 4360086, Fax. 4364440 ese@ntc.net.np
Bionic Energy Pvt. Ltd. (BEL)	Bhuminanda Baral (Managing Director)	Surya Bikram Gyawali Marg Battisputali, Kathmandu Tel: 4471506 aedc@ecomail.com.np

Nabajyoti Urja Pvt. Ltd. (NJU)	Dipak Humagain	Maharajgunj, Kathmandu Tel: 4721741, 4721756 info@nabajyotiurja.com
Perennial Energy Nepal Pvt. Ltd. (PEN)	Rajesh Chaudhary	Naxal, Kathmandu Tel: 4415005 info@pen.com.np
Lasersun Energy (P) Ltd. (LSN)		Pulchowk, Kathmandu Tel: 5536171, 5549607 lasersun@wlink.com.np

GOs, NGOs and Research Organizations

NAME OF THE ORGANIZATIONS	CONTACT PERSON	CONTACT DETAILS
Community Awareness Development Centre (CADEC)	Mr. Subarna Kapali	Naya Baneshwor, Kathmandu Tel: 4472264 cadec@ecomail.com.np
Himalayan Light Foundation (HLF)	Mrs. Sapana Shakya	Baluwatar, Kathmandu-4 Tel: 4425393 info@hlf.org.np
Center for Renewable Energy (CRE)	Mr. Babu Raja Shrestha	Bagbazar, Kathmandu Tel: 4248852 cre@ccslnp.com
Council of Technical Education and Vocation Training (CTEVT)		Sanothimi, Bhaktapur Tel: 6630469, 6631458
Nepal Bureau of Standard and Metrology (NBSM)		Balaju, Kathmandu Tel: 4350445
Remote Area Development Committee (RADC), autonomous body under MoLD		Pulchowk, Lalitpur Tel: 5522034, 5536996
Nepal Academy of Science and Technology (NAST)		Khumaltar, Lalitpur Tel: 5547717 nast@mos.com.np
Water and Energy Commission Secretariat (WECS)		Singha Durbar, Kathmandu Tel: 4211415, 4429417 wecs@mos.com.np
Centre of Renewable Energy (CRE)		Solar Complex, Bagbazar, Kathmandu Tel: 4248852 cre@ccslnp.com
Community Awareness Development Centre (CADEC)		New baneshwor, Kathmandu Tel: 4472264 cadec@ecomail.com.np
Himalayan Light Foundation (HLF)		Baluwatar, Kathmandu Tel: 4425393, 4437189 info@hlf.org.np
National Trust for Nature Conservation (NTNC)		Jawalakhel, Lalitpur Tel: 5526571 info@kmtnc.org.np
Nepal Trust (NT)		Maharajgunj, Chundevi, Kathmandu Tel: 4721112 ntrust@mail.com.np
Solar Electric Manufacturers Association of Nepal (SEMAN)		Naxal, Kathmandu Tel: 4432103 seman@mail.com.np
Eco Himal		Narayangopal Chowk, Kathmandu

		Tel: 4414714 office.ktm@ecohimal.org
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Other Organizations

NAME OF THE ORGANIZATIONS	CONTACT PERSON	CONTACT DETAILS
Integrated Rural Development Services (IRDS)	Keshab K.C	Balkhu-14, Ringroad, Kathmandu, KMC-14 Tel: 4279111 met@irds.wlink.com.np
Universal Consultancy Services Pvt. Ltd. (UCS)	Govinda P.Devkota	Banasthali, Balaju, Kathmandu-16 Tel: 4350580 ucs@ntc.net.np
Technology and Rural Upliftment Service Team Pvt. Ltd. (TRUST)	Pramila Shrestha	Jawalakhel, Manbhawan, Lalitpur-22 Tel: 5527068 trust@htp.com.np
C-ZONE HVAC Incorporate Pvt. Ltd.	N. R. Karki	352 Panchakumari Marg, New Baneshwore, Kathmandu-34 Tel: 4496522 czone@wlink.com.np
East Consult Pvt. Ltd.	Susil K. Shrestha	Hotel Marg, Lazimpat, Kathmandu Tel: 4413267, 4412062 eastco@wlink.com.np
BISCONS Development and Management Consultants	Ramesh M. Singh	Adwait Marg, Bagbazar, Kathmandu Tel: 4227470 rmsingh@biscons.wlink.com.np
Balaju Technical Training Centre (BTTC)		Balaju, Kathmandu Tel: 4350213, 4350228 balaju@btcc.wlink.com.np
Centre of Energy Studies CES Institute of Engineering, Tribhuvan University		Pulchowk, Lalitpur Tel: 5532235 casioe@healthnet.org.np

Source:
Alternative Energy Promotion Centre (AEPC)
 Khumaltar, Lalitpur
 Tel: 5539391
 Fax 5542497
 Email: aepec@aepec.gov.np
www.aepec.gov.np

Solar Water Heater Manufacturers and supplier in Nepal: 22 listings in Nepal Yoolk

Name of Organisation	Products/Services	Address	Contact
Nilah Water Treatments	Water treatment plants & services, Solar water heater	New Baneswar, Kathmandu	Tel. 4780911 Fax. 4780911 Email: niwat@info.co.np WWW.niwat.com
Solar Energy Works	Solar Water Heater	GPO: 8975 EPC 5455, Kuleshwar, Kathmandu	Tel. 4286905 Tel. 4280798 Tel. 9851048015 Fax. 4220161 E-mail solarenergy@wlink.com.np Website www.solarenergy.com
Niwat Exim Concern	Solar Water Heater	New Baneshwor Kathmandu Nepal	Tel: 4781911 Tel: 4780911 Fax: 4780911 E-Mail: niwat@info.com.np Website: http://www.niwat.com.np
ATC Solar Industries	Solar Water Heater	GPO: 3691, Ktm, Teku Kathmandu Nepal	Tel: 4261220 Tel: 4262220 Fax: 4262140 E-Mail: atc@wlink.com.np Website: http://www.solahart.com.au
Kathmandu Power Company Pvt. Ltd	Solar Water Heater	GPO: 21533, Ktm, Shantinagar Kathmandu Nepal	Tel: 4462716 Fax: 4462716 E-Mail: kpc@mail.com.np Website: http://www.kpc.com.np
Maharjan Metal Industries	Electrical Accessories/ Equipment Sales & Repair, Solar Water Heaters, Electric Water Heater	GPO: 2804, Ktm, Teku Kathmandu Nepal	Tel: 4262032 Tel: 4243537 Fax: 4258028 E-Mail: mmi@ntc.net.np
Sun Power Pvt. Ltd	Solar Water Heater	GPO: 8975 EPC 5138, Baluwar Kathmandu Nepal	Tel: 4440354 E-Mail: info@sunpower.wlink.com.np Website: http://www.nepalpages.com/sunpower
Simp Solar	Solar Water Heater	GPO: 11416, Ltp,	Tel: 5520178

Pvt. Ltd		Kupondole Kathmandu Nepal	Tel: 5535040 Tel: 5529252 Fax: 5525274 E-Mail: simp.solar@wlink.com.np
Solar Power & Engineering Works	Solar Water Heater	Bhanimandal Kathmandu Nepal	Tel: 5534155 Tel: 5520376 Fax: 5520376 E-Mail: solarwr@ntc.net.np
Twenty First Nepal Pvt. Ltd.	Flooring & Furnishing, Parquet, Interior Decorators, Construction Material Suppliers, Solar Water Heaters, Aluminium Products	New Baneshwar, Kathmandu	Tel: 4784280 Tel: 4784276 Fax: 4784276 Email: tfnepal@wlink.com.np
Balaju Yantrashala Sanitary Engineering Ltd	Solar Water Heater	GPO: 2070, Ktm, Balaju Kathmandu Nepal	Tel: 4350440 Fax: 4262457 E-Mail: girr@wlink.com.np
Oscar Trade Concern	Parquet, Water Purifiers, Solar Water Heaters, Aluminium Products	Nayabazar Kathmandu Nepal	Tel: 4360259 Tel: 9851038513 E-Mail: oscartc@wlink.com.np
Diamond Solar Water Heater	Solar Water Heater	Thamel Kathmandu Nepal	Tel: 4351670 Tel: 4351046 E-Mail: solarp2000@yahoo.com
Sunpower Pvt. Ltd	Solar Photovoltaic Manufactures, Solar Water Heaters	GPO: 8975 EPC 5138, Baluwatar Kathmandu Nepal	Tel: 4440354 E-Mail: info@sunpower.wlink.com.np
N. S. Solar	Solar Water Heater	Lagankhel Kathmandu Nepal	Tel: 5538669 E-Mail: nssolar1@yahoo.com
W. P. International Pvt. Ltd	Solar Water Heater	Naxal Kathmandu Nepal	Tel: 4443313 E-Mail: wpint@wlink.com.np
Kirat Solar Water Heater Engineering Works	Metal Works, Solar Water Heaters	GPO: 11992, Ktm, Satdobato Kathmandu Nepal	Tel: 5532717 Tel: 9851042582 Fax: 5541637
Everest Solar Water Heater Industry	Solar Water Heater	Baluwatar Kathmandu Nepal	Tel: 4427348 Tel: 9851070852 Tel: 9841264781
Boudha Solar	Solar Water Heater	Jorpati Kathmandu Nepal	Tel: 4494134 Tel: 9851037188
Lama Solar Geyser Workshop	Solar Water Heater	Naya Bazar Kathmandu Nepal	Tel: 4359110 Tel: 9851046596
Triveni Solar Water Heater Works	Solar Water Heater	New Road Kathmandu Nepal	Tel: 4248875
Kalika Sun Solar Water	Solar Water Heater	Hadigaon Kathmandu	Tel: 4436890

Heater		Nepal	
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