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## 1-FISUEL General Information

### For rich newsletters :

We would like to thank Copper Alliance India and ESF for providing FISUEL with information to share, all of which relates to electrical safety.

Continue to enrich the newsletters with your articles that seem to you to be of interest to electricity users.

FISUEL website: <https://www.fisuel.org/>

World Safety Barometer website: It offers the possibility of comparing the level of electrical safety, country by country according to 13 criteria. <https://www.safetybarometer.org/>

### We recall :

- the administrative correspondence email is Patrick Aubelis: [patrick.aubelis@fisuel.org](mailto:patrick.aubelis@fisuel.org),
- the FISUEL Head Office at 21 rue Ampère, Paris, 75017, France.
- the telephone number of the Secretary General: + 33 (0) 6 86 51 84 92

### Reminder of some articles covered in the Newsletters :

- NL45: WorldSafetyBarometer website, Cossuel in Senegal, Electriciens sans frontières in Lebanon
- NL46: Qualifelec, Megger and ONSE in France

The Newsletter is available on the website <https://www.fisuel.org/newsletters/>

If you have topics that you would like to share with the recipients of the FISUEL newsletter, do not hesitate to send us a page in Word with photos to the e-mail address [patrick.aubelis@fisuel.org](mailto:patrick.aubelis@fisuel.org)



# 2-Safety Electrical Installations in India

A way forward to safety by the National Electrical Code of India

It is informed that Shri Piyush Goyal, Hon'ble Minister, Commerce & Industry, Textile, Consumer Affairs, Food & Public Distribution and Shri Ashwini Kumar Choubey, Minister of State for Consumer Affairs, Food and Public Distribution of India during the Fourth Governing Council (GC) Meeting of BIS held on 24th August 2022 at New Delhi inaugurated the handbook on the subject "Safety in Electrical Installations – A way forward to Safety by National Electrical Code of India".

This handbook is jointly developed by Bureau of Indian Standards (BIS) and International Cooper Association India.

This handbook has been prepared with the objective to create awareness about Electrical Safety and to provide technical guidance for wiring installations in buildings. The design, installation, and other features provided in the handbook will help in understanding the purpose and application in a simplistic way.

This will help electrical engineers and technicians to understand the basic need and procedures for safe and reliable electrical LV installations.



## SAFETY IN ELECTRICAL INSTALLATIONS HANDBOOK

A way forward to safety by National Electrical Code of India.



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The handbook can be downloaded from the link given below :

[https://www.bis.gov.in/index.php/media/?cat\\_id=27&term\\_name=Consumer%20Awareness](https://www.bis.gov.in/index.php/media/?cat_id=27&term_name=Consumer%20Awareness)

Source : Copper Alliance India



## 3-Electriciens sans frontières – 35 years old



Fisuel's commitment to Electriciens sans frontières dates back to 2017.

Electriciens sans frontières is an international solidarity non-governmental organization (NGO) created in 1986 and recognized as being of public utility by the French Ministry of the Interior by decree of May 23, 2013. It fights against inequalities in access to electricity, and to water to promote the economic and human development of populations around the world.

In 2021, it celebrated its 35th anniversary, 35 years of professional skills in the service of international solidarity.

Indeed, Electriciens sans frontières is based on a model where volunteering is at the heart of international solidarity activities. Supported by around ten employees, all projects of Electriciens sans frontières are designed and implemented by the association's 1,200 volunteers who put their expertise and know-how at the service of Electriciens sans frontières actions. More than half of them come from the energy sector.

Electriciens sans frontières projects aim to improve the living conditions of the poorest populations by making access to energy and to water a lever for economic and human development by systematically integrating environmental issues. Each of their missions aims to bring a direct benefit to populations in 8 areas: access to quality water, education, health, training, economic development, social life and security, food security and climate change.

Electriciens sans frontières operates in Latin America, Asia, the Middle East, Europe and Africa and recalls that nearly 760 million people do not have access to electricity in the world (information Tracking SDG7 The Energy progress report 2022).

The 36th General Assembly of Electriciens sans frontières was held on June 13 and 14, 2022 in Lyon. This was an opportunity for the NGO to reflect on the energy challenges to come, the sustainability of its development actions and to present its 2021 report in a few figures:

- **125** projects in 28 countries.
- **88** development projects
- **90%** of projects include renewable energies
- **1 out of 2** projects includes access to quality water
- **9** post-emergency emergency projects
- **28** support-expertise projects
- **1,187** volunteers
- **17** missions carried out

Nearly **450,000** people have benefited from these 2021 projects.

During this General Assembly, among the topics discussed, Electriciens sans frontières shed light in particular on 2 projects that closely affect certain members of Fisuel.

- **The Project in Beirut** (complement of the subject in the Newsletter N°45)

After the explosion that occurred on August 4, 2020 in the port of Beirut, Electriciens sans frontières actively mobilized.

This project aims to contribute to the improvement of educational conditions in six schools impacted by the explosion through the installation of solar power plants with a device consisting of a photovoltaic power plant on the roof without batteries.

This will function to:

- modify the energy mix in the establishments concerned to reduce CO2 emissions and compensate for network cuts,
- reduce the financial burden related to the energy bill which weighs on the budget of establishments,
- promote renewable energy and energy saving to staff and students.

- **The Café Lumière 3 Countries project : Madagascar, Togo, Benin.**

With a rate of access to electricity in rural areas of 18% in Benin, 7% in Madagascar and 8% in Togo, nearly 25 million people in these 3 countries are not connected to the electrical network.

To answer, Café Lumière 3 Pays offers a continuum of solutions to users (services, local connection for productive players and collective services) through a multi-service solar energy platform, and strengthens the capacities of local public and private actors (companies and productive actors), or civil society organizations.

Following a pilot project in Madagascar and a first replication in Benin, the program is deployed in 22 rural villages in Africa:

- 12 villages where new Café Lumière will be built (2 in Benin, 4 in Madagascar and 6 in Togo);
- 10 villages where support activities will be deployed with existing Cafés Lumière (4 in Benin, 6 in Madagascar).

Café Lumière received support from the Millennium Challenge Account-BENIN II to deploy the solution in BENIN [Log in here](#)



The 2021 annual report can be downloaded from the link below: <https://electriciens-sans-frontieres.org/app/uploads/2022/07/Electriciens-sans-frontieres-Rapport-annuel-2021.pdf>



Solidarity is at the heart of our concerns. This is why, at the end of 2022, FISUEL invites you to support Electriciens sans frontières and thus allow more people to have access to electricity.

To carry out its projects, Electriciens sans frontières relies on the contribution of many partners, in particular those who wish to make international solidarity a strong focus of their social responsibility policy.

👉💡 As a reminder, November 29 is World Generosity Day and December 20 is International Human Solidarity Day.

Your donations act, let's be united and fight against inequalities of access to electricity in the world with renewable energies

👉 Connect to the Fisuel website <https://www.fisuel.org/les-actualites/> to see visual

👉 Donate to Electriciens sans frontières : <https://bit.ly/3ltwNw6>

You too can support the actions of Electriciens sans frontières by [becoming a volunteer](#)

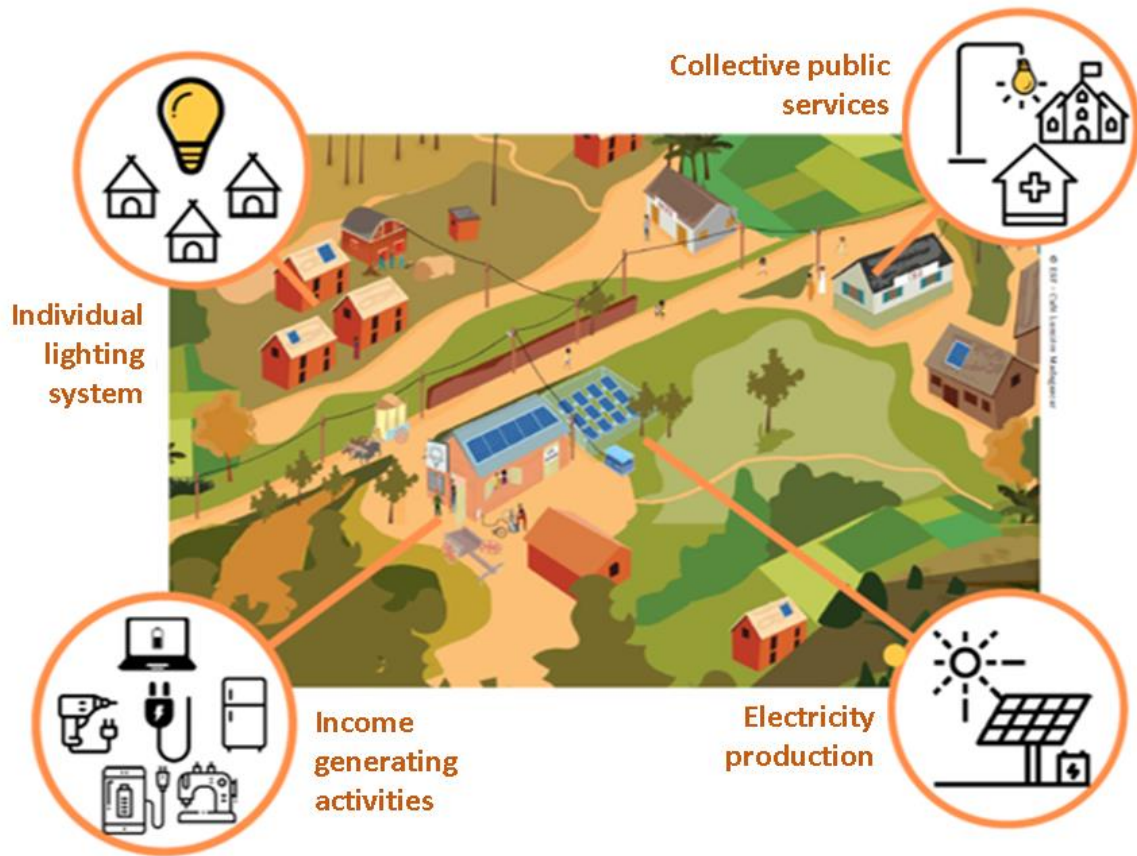


Source: *Electriciens-sans-frontières*





## Functioning of a "café lumière"



## Beirut – photovoltaic installation



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