



Monitoring Report 2011: D. Light



Name of organisation	D.Light
Name of programme	Solar Education Campaign
Area of work	Tanzania
Sector	Education
Channel	Schools
Dates	2010-2011
Funding	\$1.25 USD per lamp, maximum amount USD 125,000 for 100,000 solar lamps
Twaweza partnership goal	Increase study time and lower health and safety risk for students (by replacing kerosene lamps), increase learning
Achievement	44,500 solar lamps distributed/sold with educational booklets and stickers
Monitoring	Information from partner report, follow-up telephone survey by LME

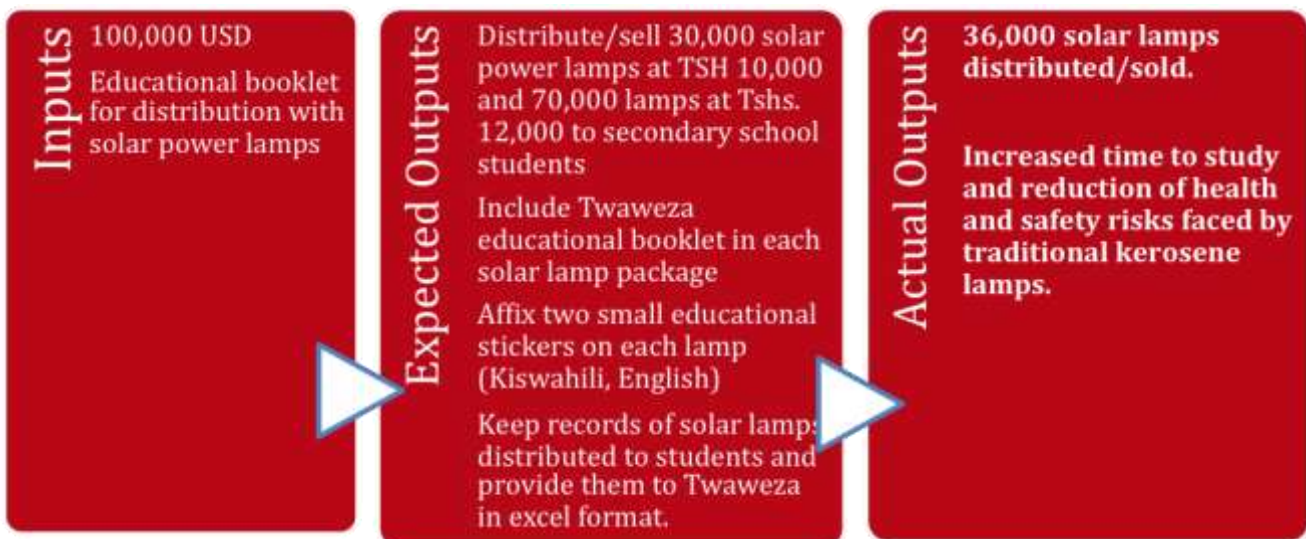


D.Light distributed solar powered lamps to schools, teachers and students across Tanzania at an affordable price to improve learning outcomes among students, boost teacher morale, reduce the incidence of fires at secondary schools and reduce the negative health impacts of kerosene lamps.



While D.Light’s core focus rested upon the business model of selling high quality solar lamps. Twaweza’s funding/subsidy pushed the organization to realize the greater social benefits of lamps in an educational setting and coupled the distribution of these lamps with educational stickers, pamphlets and booklets on Twaweza’s work.

Key Outputs



- 44,500 solar lamps distributed/sold with educational booklets and stickers.



Citizen Effect

'In 2010 only 22 pupils managed to continue with secondary education from our school, but in 2011 the pass level increased to 72 students. I can only say to some extent this has been contributed by the use of solar light bearing in mind that most of the pupils who purchased solar lights were of standard six and seven and that most households in our village do not have electricity, kerosene light was a main source of light before solar light' Anase Masha, Burger Primary School, Karatu, Arusha.

- Over 36,000 persons have increased time to study and lower health and safety risks from use of kerosene appliances.
- Thirteen of twenty teachers who responded per telephone stated that students now read/study at night because of the D.Light solar lamps. Three of the four students surveyed stated that they have increased the number of hours they study from 1.5 to over 3.

Twaweza Monitoring

Twaweza received an excel database recording information of head teachers about the distribution of D.Light lamps in schools across Tanzania including: contact person/school, area of distribution, and number of lamps sold. Twaweza's LME therefore was in a position to conduct independent monitoring through a small telephone survey. From the database which contained 1232 mobile phones contacts of head teachers and names of schools, 30 respondents were randomly selected for



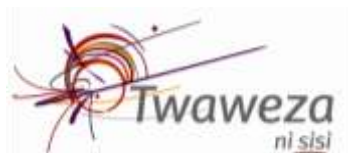
telephone interviews, but only 16 were willing to be interviewed.

Twaweza's LME unit has concluded that the information collected confirms the majority of D.Light's required outputs. However during telephone follow up survey some issues were identified:

- All teachers surveyed did not recall receiving Twaweza's educational print materials such as 'Wanaenda Shule Lakini Wanaelewa'.
- However some teachers recommended that pupils also should be interviewed, we managed to access 4 pupils who were recommended by head teachers, 3 pupils out of 4 recalled receiving education print materials, and 1 pupil out of 3 recalled exactly the name of the booklet as 'Wanaenda shule lakini wanaelewa?'
- D.Light reported that lights were distributed to primary schools as well as secondary school, where the contract only called for the distribution of solar lamps to secondary schools.
- Respondents frequently pointed out that while the lights were very useful, they were not bright enough.

Should a similar initiative continue in the future, Twaweza could monitor the distribution of material goods through a variety of additional channels including:

- Recording GPS locations of distributions for accurate and convenient access.
- Collecting written or recorded testimonies from solar lamp users on the benefits and/or disadvantages of using



the D. Light. However to achieve this, we should collect the contact details of direct users e.g. students instead of using third party e.g. teachers contacts product.

Appendix A—List of all: D. Light files

Assessment partnership criteria for D. Light
Booklet Concept- English-2-1
Confirmation
Contact with Pepijin
Copy of D. Light Assessment Draft 23022012 for print
Copy of D. Light Assessment Draft 23022012.JR+JNJ+KDG
D. Light assessment-1
D. Light contract-2
D. light cover note report 100412
D. light die
D. Light distribution form 1
D. light proposal 20101005 final
D.Light Monitoring
Deducted sales 01022012
Discussion for D. Light proposal
Draft contract correspondences
Final student sales analysis.JR 190312.JNJ
HIVOS Twaweza booklet
Lights sold to students sales Twaweza 2011.PS.201211
Nyerere education quotes
Plugin- uwezo%20 test
Progress report and response to query.Jan12
Progress report Twaweza dec.2012-1
Progress update solar light distribution campaign. RS.JNJ emails



Putting a bar on light's prices to students
School Names
Stickers design
Stickers quantity
Student sales analysis 16012012 JR
Student sales Twaweza 2011-1
Talking points for solar education campaign partnership
Update Twaweza D. light partnership presentation 2011