

The Edith M Ellis 1985 Charitable Trust

The Washing Machine Project

#BVFWD3RZX submitted on 14 January 2022

1.1 Please summarise what you are seeking from us

In March 2022, TWMP will pilot 20 machines in Jordan in partnership with Plan-International. This proposal focuses on Phase 2 of the project: expansion and trialling of our machine in Jordan. The project's overall aim is to measure the perceived level of effectiveness of the Divya 1.5 in Jordan. This £5000 ask would be used to facilitate research and analysis to understand the impact of the pilot and inform the future broad-scale implementation of the Divya 2 in Jordan.

1.2 Tell us more about your project, the impact it will have on those it aims to help, and why you consider the proposed approach to be innovative

Due to limited access to water and electricity, 5 billion low-income and displaced families around the world do not have access to electric washing machines and are forced to wash their clothes by hand in rivers, lakes and buckets. Washing clothes by hand is a laborious task that can take up to 20 hours a week for some families, adding to the burden of unpaid domestic work. This is a burden often disproportionately placed on women.

The Washing Machine Project (TWMP) is a registered social enterprise dedicated to designing, developing and distributing low-cost, water-saving, manual washing machines to provide displaced and low-income people with an alternative to handwashing clothes. By developing a prototype off-grid washing machine that saves time, labour and uses less water than hand washing clothes but can wash the same amount, TWMP aims to address issues of unpaid domestic labour, gender inequality and water scarcity.

Our intended beneficiaries are refugees and internally displaced persons who do not have access to an electric washing machine. Jordan is one of the largest refugee-hosting countries relative to its population (89 refugees/1000 citizens), with 83% living in Informal Tented Settlements (ITSs). Refugee families often rely heavily on young girls for domestic duties like collecting water and washing clothes; this acts as a key barrier to girls achieving educational milestones.

The project's overall aim for this period in Jordan is to manufacture, deliver and pilot our latest iteration, Divya 1.5, to test the effectiveness of improvements and collect beneficiary feedback to inform design alteration required for the next generation machine, the Divya 2. This will feed into TWMP's overall aim of reducing time poverty so that women can channel their efforts and resources into education, paid labour opportunities or other productive activities, and reducing the physical issues associated with handwashing clothes (back and joint pain; skin irritation from detergents).

Our previous research in Iraq has indicated that the Divya provides a 75% reduction in the time spent on this domestic burden, approximately 15hours/week, and that this newfound time could be used by women to undertake paid work, other household chores, child-care and farming. Thus, through our machine's time-saving qualities, our innovation can advance the gender equality agenda by reducing some of the barriers that prevent women and girls - especially those living in conflict and emergency settings - from reaching key learning milestones and engaging in paid labour opportunities. Our long-term goals include enhancing gender equality and intergenerational sustainability in the communities we work in, reducing the gender disparity of domestic labour duties, increasing levels of engagement within education, vocational training or work and creating a more environmentally sustainable environment for our beneficiaries.

Furthermore, TWMP creates a more environmentally sustainable environment for beneficiaries by reducing the amount of water and energy used for clothes washing. This is crucial in humanitarian settings where disadvantaged communities may have limited access to electricity and water. The Divya machine requires no electricity to run and our pilot projects in Iraq have indicated over 50% reduction in

water usage, from 40 litres per wash cycle during handwashing clothes to just 20 litres per cycle with the Divya, which is crucial in water-scarce humanitarian settings. By saving water, the Divya helps to achieve many targets under SDG 6 (Clean Water and Sanitation) including reducing the volume of untreated wastewater, achieving adequate and equitable sanitation and hygiene, and increasing water-use efficiency. As it does not use electricity, it also avoids producing greenhouse gas emissions.

1.3 Which grant-giving categories does your project fulfil?

E - Work with forced migrants, including internally displaced people

1.3e Work with forced migrants, including internally displaced people

So far, we have conducted research to investigate the burden of handwashing clothes in 10 countries, allowing us to collectively interview over 1000 families in refugee and IDP camps on their washing habits and experiences to validate the need for our innovation and inform our design processes. We continue to use a beneficiary centred design approach to improve our innovation.

1.4 Which country is the project based in?

United Kingdom (GB)

1.5 Will the project continue after initial funding has ended?

Yes

1.5b Please give details of how you plan to continue after initial funding has ended

Once our pilot has ended, we will scale up our manufacturing and distribute the latest iteration of our machine in Jordan and other countries around the world. Our big ambition is to have distributed 6,500 machines in 10 countries by 2023, impacting nearly 70,000 people and saving over a million litres of water.

1.6 How will the project be monitored and evaluated?

Monitoring and evaluation of project activities will be carried out in close collaboration with our in-country implementation partners Plan International. This will be conducted through quantitative and qualitative research methods to gather and analyse information to determine progress towards the delivery of activities and outputs and whether the project is contributing to our outcomes and goals. These will occur in 3 phases: 500 surveys, focus groups with 150 individuals and 50 1:1 interviews.

2.1 Expenditure

EXPENDITURE ITEM	AMOUNT	NOTES
Personnel/staff/consultant/expert	£17,470	Includes TWMP Project manager (including living expenses) TWMP Lead Engineer (including living expenses), External Enumerator, Agency Local Personnel
Activities	£525	Includes printed materials (surveys, education packs, documentation), Monitoring and Evaluation equipment (Tablets)
Training, Travel and Transportation	£4,372	includes flights, insurance, mobile data, visas, driver, delivery of machines.
Equipment: X30 Production intent rigs (Full BoM Cost)	£3,000	
Evaluation	£5,000	includes descriptive analysis and report writing.
TOTALS	£30,367	

2.2 Income

INCOME SOURCE	TARGET AMOUNT	AMOUNT RAISED	NOTES
Fundraiser (go fund me)	£60,000	£29,320	
	£0	£0	
TOTALS	£60,000	£29,320	

2.3 What is the total amount (in £ sterling) your organisation is requesting from The Edith M Ellis Trust?

£5,000

2.4 Has your organisation made an application to The Edith M Ellis Trust before?

No

2.5 Please state your organisation's annual turnover (in £ sterling)

£0

2.6 Do you wish to upload your audited accounts or financial statement?

No

2.7 Please tell us where payment should be made if your application is successful

The Washing Machine Project CIC

31738760

30-90-99

3.1 Your name

Navjot Sawhney

3.2 Your contact telephone number

+447862016847

3.3 Your position within the organisation

CEO/Founder

3.4 Your email address

nav@thewashingmachineproject.org

3.5 Organisation name

The Washing Machine Project

3.6 Please state the status of your organisation

social enterprise

3.7 Please summarise what your organisation does

The Washing Machine Project (TWMP) is a Community Interest Company dedicated to alleviating the burden of hand-washing clothes for low-income and displaced persons around the globe. Hand washing clothes is a laborious task that can take up to 20 hours a week and adds to the burden of unpaid domestic labour. By developing off-grid, manual washing machines that save time, labour and water, TWMP aims to address issues associated with hand-washing clothes.

3.8 UK correspondence address for organisation

92 Mansell Road, Greenford

3.9 UK telephone number

07735213157

3.10 UK charity number (if applicable)

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3.11 Year established

2019

3.12 Website (if applicable)

<https://thewashingmachineproject.org/>

3.13 Social media accounts (if applicable)

@thewashorg

4.1 How did you hear about The Edith M Ellis Trust?

fundsforngos.org