

# Call for Concepts Manufacturing Pollution



Sustainable Manufacturing and  
Environmental Pollution

**SMEP Registration No** SMEP002069  
**Application No** APP000241

Market-aligned interventions for cleaner production in the textiles value chain

**Definition of key terms:**

**1. Concept**  
Defined as the application of a solution into a manufacturing environment e.g., waterless dyeing technologies.

**2. Pilot / Solution / Intervention**  
A funded implementation of the concept through the SMEP programme (i.e., implementing, developing, and testing of the solution). A solution could entail funding an underlying technology that serve example supercritical fluid dyeing or air dyeing.

**1. Applicant information**

a. Applicant organisation's legal name

b. Applicant's location

c. Organisation Type

e. If relevant, please list the names of organisations that you propose to be **sub-contracted** to deliver this concept proposal.

Name	Role	
<input type="text"/>	<input type="text"/>	ADD

**2. Applicant's governance and maturity**

a. Please provide your company or organisation's business registration details.  
*Detail company or organisation country of registration (incorporation), year of registration, and any other relevant context to registration*

max 50 words

b. Please indicate your organisation's primary activity.  
*Indicate the activity your organisation has undertaken in the past 3 years (relevant to your concept proposal)? If the organisation is a for-profit or not-for-profit and if submitting this concept as part of a consortium, please provide details of the consortium.*

max 500 words

c. Does your organisation's 3-year-average annual audited turnover exceed the requested budget for this concept?  Yes  No

Please indicate the budget amount and the turnover amount.  
For consortium applications, please provide a combined 3-year average turnover.

**GBP Amount Budget**

**GBP Amount Range for turnover**

**GBP actual 3-year-average amount**

If "no" was selected, please provide contextual motivation for the purpose of commercial due diligence.

d. If relevant, please list the names of organisations that you propose to work with in **consortium** in delivering this concept proposal  
**Please also provide 3-year average turnover per consortium entity.**

Name	Role	Average 3 yr Turnover (GBP)	
<input type="text"/>	<input type="text"/>	<input type="text"/>	ADD

e. Has your organisation received donor funding in the previous 3 years?  Yes  No  
*If yes, please complete the table below.*

Donor Name	Project Description	Duration	Amount (GBP)	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	ADD
<b>TOTAL</b>				

f. Please provide qualifications of **key team members** who are involved in the concept development.

*Indicate key roles on the team, qualifications and experience relevant to the pilot. Detailed CVs will be required at Stage 2: Request for Proposal.*

Name	Organisation	Qualification	Experience	ADD

g. Please confirm that you have read and understood Section 3.7 of the Terms of Reference, regarding requirements of level 1, 2 and 3 suppliers contracted to SMEP, and that the applicant organisation can meet the required level of due diligence if advanced through the proposal stage to contract.

**3. Concept overview and alignment to SMEP Programme**

a. What is the name of the concept you are proposing?

test

b. Which pollution pathways will the concept be addressing? *(You may select more than one pathway.)*

Air  
 Land  
 Water

c. Provide an introductory description and a rationale of the concept proposal and explain how it will result in reduced pollution in the textiles sector? *Please also comment on readiness to deploy the solution/intervention.*

d. SMEP is calling for concepts that address pollution abatement solutions in the textiles sector within *four thematic areas*, as described in the Terms of Reference. Within the *themes*, concepts should address practices in the sector, including but not limited to excessive consumption of raw materials, water, energy and generation and poor management of liquid effluents and solid waste, including offcuts, tri materials and used chemical containers.

The procurement aims to accommodate evidence-based research and the testing of innovative pollution mitigation concepts that are supported by a use-case for value chain participants in the sector.

Ideally, the solution proposed should be in response to or be supported by a demand-side market signal (for example, a supplier offtake agreement between buyers and manufacturers or co-investme not secured, concepts should propose a strategy of how the solution can be integrated into the market to ensure long-term commercial buy-in.

e. Select the SMEP Programme thematic area within the textile sector that closely matches the concept and provide an explanation of how your concept aligns with this theme/s as indicated on the first page of the form.

Data production systems for improvements in quality control of processes and enabling product passports  
 Increased efficiency in wet manufacturing processes  
 Recovery and upcycling of textile residues to address excessive amounts of unsold and second-hand garments  
 Development and upscaling of more environmentally friendly fibres  
 Other

f. Where a technological intervention is proposed, please indicate the technology readiness level (TRL) of the underlying solution in the concept?

TRL9 Operations [The technology is being operationally used in an active facility.]  
 TRL8 Active Commissioning [The technology is undergoing active commissioning.]  
 TRL7 Inactive Commissioning [The technology is undergoing inactive commissioning.]  
 TRL6 Large Scale [The technology is undergoing testing at or near full-scale size.]  
 TRL5 Pilot Scale [The technology is undergoing testing at small to medium scale size in order to demonstrate specific aspects.]  
 Not applicable: Solution has been tested and piloted  
 Not applicable: Solution is widely in use  
 Not applicable: We are not proposing a technological intervention

g. What is the country of the proposed activity? Do you have the ability to implement the concept in the target countries or in another country within sub-Saharan Africa and South Asia?

*(You may select more than one country.)*

Bangladesh  
 Pakistan  
 Nepal  
 Ethiopia  
 Kenya  
 Tanzania

Tanzania

Uganda

Ghana

Other

Other: Please add

Please explain how the project team is positioned to implement the concept in the target countries.

h. What is the potential scope for application of the concept in other SMEP target countries in future?

Indicate the required effort/investment to expand market coverage with the manufacturing sector and consumer outreach initiatives needed to increase awareness of the concept.

4. Detailed concept description, viability, and impact

a. Describe the concept proposal in detail

Outline the key players in the value chain (roles and experience), key stakeholders that have expressed support for the concept, and how have they been (or will they be) engaged., a business model amendments, or a combination of these.

b. What is the potential business case for the adoption of the concept within the textile value chain and/or specific value chain participants?

Applicants should provide a use case for the concept solution i.e., a rationale that conveys a pathway for the uptake of the solution by the industry, and/or a method to interrogate and address this que the assumptions for the business case for manufacturers to invest in the concept, either by increasing their revenue and market share (e.g., through new products) or reducing their costs (e.g., avoida costs).

c (i) Concepts that can demonstrate one or more of the following co-benefits are encouraged. Please indicate where your concept has the potential to deliver impact? (You may select more than one area.)

Greenhouse Gas (GHG) emission reduction potential

Wider benefits for human health, and the environment

Opportunities for local wealth creation

Opportunities and/or benefits for women

Opportunities and/or benefits for marginalised groups

c (ii). If the proposed concept will result in GHG emission reductions, please provide an explanation for the basis of the quantification, and provide an estimate of the emissions reduction.

c (iii). Please comment on and quantify any other wider benefits that the proposed concept may deliver as indicated in question 4.c.i. This may include aspects such as environmental improvements; human health; benefits or improved conditions for marginalised and vulnerable people, and women; and benefits or improved conditions for local economic wealth creation.

d. What are the critical delivery risks to executing the concept, and how will you address these?

Identified risks may include those to manufacturers and solution providers that are integrating and operating the solution (e.g., access to technical expertise, access to spare parts), and those asso stakeholders (e.g., alignment to local regulation, meeting certification standards, negative externalities to the local population in instances of solution failure).

Risk	Mitigation	ADD

5. Description of intended SMEP solution / proposed intervention

a. Will the materials / resources required to implement the solution/intervention be sourced locally, imported then assembled locally or wholly imported? Please expand.

b. If relevant, who do you earmark as key stakeholders / partners in a consortium to enable successful implementation of the solution and how do you plan to assemble such a consortium?

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c. Who are the key personnel required to implement the pilot and how do you plan to assemble the team? Will the equipment require a specialized skillset/ staff to operate the equipment?

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d. How is the concept aligned with existing market interest or uptake trends? Please explain and provide proof if possible.

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e (i). Does the project have **Financial** co-funding?  Yes  No

e (ii). Does the project have **In-kind** co-funding?  Yes  No

**Please note that a letter of commitment for co-financing will be required.**

f. What is the total financing amount required to roll out the pilot (and input from co-funders if any) over its entire duration?

*Include capital requirements, the total cost of operations and maintenance of the concept with the projected revenue/ cost savings during the pilot period.*

BudgetCategory	Amount (GBP)	% of Total	
Select: <input type="text"/>	<input type="text"/>		ADD
<b>TOTAL</b>			

**Total Co-Funding**  
**Budget Requested from SMEP**  
**Total Project Budget**

Budget comments

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g. What is the anticipated lifespan of the solution rollout?

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h. What outputs/metrics (direct results) are to be determined by the solution?

*Applicants should indicate what key proof points are to be demonstrated through the implementation of the solution (e.g., technical feasibility, financial feasibility, pollution abatement).*

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i. What are the risks involved in the concept and its implementation? (Technical, commercial or operational risks)

*Indicate if any systems have been put in place to manage the risks associated with successfully executing on the proposed SMEP programme solution.*

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**6. CfC submission declaration**

On behalf of the lead applicant, being duly authorised thereto and representing all partners in the proposed concept, I hereby declare that:

- We understand and accept the conditions of this open call for concepts process.
- We have been directly responsible for the preparation of this project concept and are not acting as an intermediary.
- The information included in this application is accurate and correct, to the best of our knowledge.

I declare the above to be true.

Name and designation of the person completing the form.

**Final Submission?** \*

Work in Progress  
 Final Submission

**Submitted On**

SAVE