



CONSULTANCY

Comparative Feasibility Study of Household Cooking Fuel and Cooking modalities Options in Sudan and Chad

Date: 12/07/2026

Last Date of Submitting Questions: 22/07/2026

Date of Publication: 14/07/2026

Last Date of Bid Submission: 03/08/2026

Location: Sudan (Chad and Sudan – depending on administrative and security access)

Reference for the CFT/Consultancy: PF-SUD-00473

The applicants must ask TOR and RFP by email electronically to obtain these documents through this email: tender@solidarites-sudan.org.

ABOUT SOLIDARITES INTERNATIONAL

Solidarités International (SI) is a French humanitarian organization providing lifesaving assistance to populations affected by armed conflict, natural disasters, and epidemics for more than 40 years. Independent of political or religious affiliation, SI specializes in Water, Sanitation and Hygiene (WASH); food and livelihood security; emergency shelter; and integrated multisectoral responses.

SI operates in over 23 countries, with 2,400 staff working to restore access to essential services and strengthen community resilience.

ABOUT THE MISSION

Solidarités International (SI) is planning to implement sanitation and energy-resilience interventions in Sudan and Chad to reduce reliance on wood-based fuels for cooking and to look for local options such as treated and properly contained fecal sludge (**FS**) waste as well as improved cooking modalities options, based on the main food cooked by local populations.

In the IDPs camp of Tawilah, in Sudan, wood-based fuel has been until now the main fuel for cooking purposes, majority utilizing traditional 3 stone triangular shaped stoves/structure and mud-clay/dung stoves and in few households' metallic portable stoves. However, a huge increase in population has caused a massive depletion of the bush around camp and an increase of wood cost, especially during rainy season when the bush is less accessible. Complementary co-materials (e.g., binders, rice husk, sawdust) that may be useful to produce alternative fuel are also scarce. In the camps hosting a large and growing population (about 450,000–700,000 people at the moment) of IDPs due to continued conflict in Darfur, the concentration of thousands of households in a limited area has sharply

increased the demand for cooking fuel, accelerating the depletion of surrounding natural resources and highlighting the urgent need to identify feasible solution for alternative fuel either from **FS** solutions or from other sources.

In Chad, in the spontaneous site in the town of Adré in Ouaddaï, which hosts more than 200,000 refugees, Chadian government has been pursuing a policy of environmental preservation and actively combating deforestation for several years, but the refugees' influx of the last years needs additional preservation measures, especially using wood-based fuel with a traditional 3 stone triangular shaped structure for cooking.

Field experience and secondary data highlight contrasting conditions in the two contexts of Sudan and Chad that warrant a comparative feasibility approach, in terms of cooking practices but as well in terms of potential alternative for cooking fuel/ technique (such as treated human sludge).

PURPOSE OF THE CONSULTATION

Analyze the current cooking practices and their impact on local environment and provide SI with decision-ready, context-specific recommendations for household cooking fuel and improved stove options.

CONSULTANCY DELIVRABLES AND TIMELINES

Timeline & Workplan (Indicative)

- Week 1-2: Inception, tool finalization, sampling & logistics.
- Weeks 3-8: fieldwork (Sudan & Chad in different moment); rolling analysis.
- Week 9: Options longlist, screening & shortlisting.
- Week 10-11: Comparative analyses; Risk Assessment; (optional) field validations.
- Week 12: Draft report & stakeholder workshop.
- Week 13: Final report & briefs.

Final scheduling will reflect security/access, seasonality, and stakeholder availability.

Deliverables & Format

- Inception Report (methodology, tools, detailed workplan, risk & quality plan).
- Country Energy & Social Acceptance Briefs (Sudan, Chad).
- Options Longlist with preliminary pros/cons matrix (Sudan, Chad).
- Shortlist Dossier with screening rationale.
- MCA Report with possible synergies and selected option(s).
- Field Validation Note (if applicable).
- Risk Assessment Report & Monitoring and Mitigation Plan.
- Draft Feasibility Study Report (full analysis, recommendations, roadmaps).
- Stakeholder Workshop Materials (slides + handouts).
- Final Feasibility Study Report + Executive Summary (8-10 pp) + Two 2Xpage Country Briefs.

- Propose a presentation of the results within the FSL/WASH sector group in eastern Chad.
- Annexes: datasets, survey tools, interview guides, MCA workbook, financial model, risk assessment, GIS/location references, photo logs etc.

REQUIRED PROFILE

Compulsory members of team:

- Team Lead – Energy/cooking practices/environment (10+ years humanitarian energy/cooking practices/environment; multi criteria analysis (MCA) and life cycle cost (LCC) experience.
- Sanitary Engineer/Planner (faecal sludge treatment plant (FSTP) processes; service models; sampling & quality assurance (QA)/quality control (QC).
- Household Energy Specialist (clean cooking technologies; testing protocols; market systems).
- Preferred additional members of team:
- Socio-anthropologist/Protection Specialist (social acceptance, gender/GBV-sensitive methods).
- Environmental & Social Safeguards Specialist (screening, environmental and Social Plan (ESMP) scoping; health and safety H&S).
- Local Researchers/Enumerators & Translators (Arabic/French/local languages).
- Security focal (mission planning, Hostile Environment (HEAT)-awareness).
- Minimum requirements of the team: demonstrated experience in Sudan/Chad or similar Sahel/humanitarian contexts; strong stakeholder facilitation; robust data management.

HOW TO APPLY

Interested applicants must first request the Terms of Reference (ToR) by emailing: tender@solidarites-sudan.org no later than the **21/07/2026**

Please include **“SUD – PF-SUD-00473”** in the email subject line.

Applicants may submit any questions or requests for clarification related to the ToR or the assignment until **22/07/2026** using the same email address.

Last Date of Bid Submission must be submitted by email to tender@solidarites-sudan.org no later than **03/08/2026 at 04:00 PM** (Sudan time).

For all communications including ToR requests, clarification questions, and proposal submissions, please clearly indicate **“SUD – PF-SUD-00473”** in the subject line.

Applications from interested parties should include but are not limited to:

- ✓ **A – A cover letter** – one-page maximum
- ✓ **B – A technical bid** including but not limited to:
 - Understanding of the study issues and the ToR (full version);
 - Methodology: This section should include the methodological framework, references to the data collection methods, and the sampling approach.
 - A timeline showing the details for the completion of each evaluation phase. (Refer indicative task detail under section 3 and referring indicative timeline section 6: Evaluation Schedule)

- Approach to data collection, data quality control and assignment risk management cleaning, analysis, iterations.
 - Composition of the evaluation team, their CVs, and roles/responsibilities during the evaluation
- ✓ **C – Profile/CV** of the consultant(s), including but not limited to:
- Training and qualifications
 - Professional experience (specific skills or relevant contexts of intervention)
 - Experience in evaluation or research in similar contexts: A complete list of all evaluations conducted with the details of donors, type of evaluation, the theme of the projects (WASH, FSL, etc), and region is a must.
 - Knowledge of the country/area of intervention
 - Languages

Solidarités International will consider both individual and team applications.

- ✓ **D – Two examples of a similar consultancy report in English for a similar work (max 20 pages)**
- ✓ **E – Two References:** Provide references for the last two Evaluations conducted (Name, position, organization, email, and phone number). Proposals that do not include at least two references for consulting or research work **will not be considered**.
- ✓ **F – The financial proposal should outline:**
1. Total Cost (all costs should be in USD)
 2. Cost per day of each contributor;
 3. Additional costs (additional services and documents);
 4. Transport costs (international and local), logistics costs;
 5. Proposed schedule of payments.

The evaluation criteria for the proposal are:

- Price / Financial proposal and terms of payment: 25%.
- Quality of the methodology / Technical proposal / Skills/ References: 75%.

Bids that do not include at least one reference for consulting or research work will not be considered.

Please note that only short-listed candidate(s) will be contacted/interviewed.

Solidarités International will consider both individual and team applications.

TIMETABLE FOR THE APPLICATION

Withdrawal of offers is from **14/07/2026 – 21/07/2026** (Deadline included)

Last Date of Submitting Questions is on **22/07/2026**

Last Date of Bid Submission no later than **03/08/2026**

Opening session is on the **13/08/2026**



Evaluation of bids is to be finalized by the **17/08/2026**
and finally the contract is expected to be signed by the **20/08/2026**