**Servals TLUD Biomass Gasifier Cookstove User Study**

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| **Householder Name** |  |
| **Householder Contact Address** |  |

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| --- | --- |
| **How many people belong to the household (not counting babies)?** |  |

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| --- | --- |
| **Interview Conducted by** |  |
| **Interview Conducted on** |  |

|  |  |
| --- | --- |
|  | **Date on which Servals TLUD was placed in the Household****------------** |
|  | **Have you been using the Servals TLUD since the day you got it?****Yes, Every Day****Yes, but not everyday, but more than 20 days****Have not used it for more than 5 times** |
|  | **If “3” (Have not used it for more than 5 times), ASK, Why have you not used the Servals TLUD?** **-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------** |
|  | **Overall how satisfied are you with the Servals TLUD**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **5** |
| **Extremely Dissatisfied** |  | **Neither****Satisfied nor dissatisfied** |  | **Extremely Satisfied** |

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|  | **Why do you say so?****----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------** |
|  | **How likely are you to continue using the Servals TLUD?**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **5** |
| **Very unlikely** |  |  |  | **Very Likely** |

 |
|  | **Why do you say so?****----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------** |
|  | **How likely are you to recommend Servals TLUD to others?**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **5** |
| **Very unlikely** |  |  |  | **Very Likely** |

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|  | **Why do you say so?****----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------** |
|  | **How many times do you cook in a day:****Once : 1 Twice : 2 > Twice : 3** |
|  | **What kind of food do you prepare in your household? What is the approx. Time taken to cook each type of dish?**

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| **DISHES** | **TIME TAKEN TO COOK** |
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|  | **On a scale of 1 to 5, with 1 being Extremely Dissatisfied to 5 being Extemely Satisfied, please rate the Servals TLUD on the following product parameters**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Parameter** | **Rating** | **Ask if rating is 1,2,3, Why do you say so?** |
| **A** | **Ease of Use**  |  |  |
| **B** | **Ease of maintenance**  |  |  |
| **c** | **Durability**  |  |  |
| **D** | **Ability to withstand rough handling** |  |  |
| **E** | **Height of the TLUD is comfortable for my cooking style.** |  |  |
| **F** | **Ease of working with the flame (starting it, controlling the flame, extinguishing the flame etc)** |  |  |

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|  | **On a scale of 1 to 5, with 1 being Extremely Dissatisfied to 5 being Extemely Satisfied, please rate the Servals TLUD on the following usage parameters**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Parameter** | **Rating** | **Ask if rating is 1,2,3, Why do you say so?** |
| **A** | **Ability to cater to my cooking requirements**  |  |  |
| **B** | **Provides adequate cooking duration** |  |  |
| **c** | **Provides adequate flame power** |  |  |
| **D** | **Reduces Smoke** |  |  |
| **E** | **Enables faster cooking** |  |  |
| **F** | **Frees up time for other activities** |  |  |
| **G** | **Does not require constant supervision** |  |  |
| **H** | **The TLUD being suitable to all my cooking vessels** |  |  |

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|  | **On a scale of 1 to 5, with 1 being Extremely Dissatisfied to 5 being Extemely Satisfied, please rate the Servals TLUD on the following fuelwood usage parameters**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Parameter** | **Rating** | **Ask if rating is 1,2,3, Why do you say so?** |
| **A** | **Ease of availability of firewood for TLUD**  |  |  |
| **B** | **Ease of breaking fuelwood into canister sized bits** |  |  |
| **c** | **Reduces time taken to gather fuelwood while cooking with TLUD** |  |  |
| **D** | **Reduces the consumption of fuelwood while cooking with TLUD** |  |  |
| **E** | **Reduces cost of fuelwood while cooking with TLUD** |  |  |
| **F** | **Do you venture into the forests to collect firewood for cooking?****Yes No** |
| **G** | **If yes to the above question, Reduces the need to going to the forests to gather firewood** |  |  |

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|  | **Now that you have used the Servals TLUD for a month, can you tell us what purposes you find it useful for?****----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------** |
|  | **And what purposes you do not find it suitable for?****----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------** |
|  | **What are the dishes you are able to cook well with the Servals TLUD?****-----------------------------------------------------------------------------------------------------------------------** |
|  | **Are there any particular dishes you are not able to cook well with the Servals TLUD?****-----------------------------------------------------------------------------------------------------------------------** |
|  | **What cookstove did you use before you got the TLUD?****-----------------------------------------------------------------------------------------------------------------------** |
|  | **Do you continue to use the old cookstove after getting the TLUD?****No, I don’t use the old cookstove at all****Yes,**  |
|  | **How much of your cooking did you replace with the TLUD?** **All** **Most (75%)** **Half (50%)** **Some (25%)** **None** **Other specification:** |
|  | **Do you see any advantages of using the Servals TLUD over the old cookstove? What are they?****----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------** |
|  | **Do you see any disadvantages of using the Servals TLUD over the old cookstove? What are they?****----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------** |
|  | **How many times did you cook with the TLUD in a day?** |
|  | **Do you cook indoors or outdoors?** |
|  | **What is the diameter of the cooking vessel that you normally use?**1. **------------- (2) --------------------- (3)-------------------**
 |
|  | **What starter material do you use?** |
|  | **Do you find it easy to work with the flame? Like controlling the flame, extinguishing it etc? How do you do it?****------------------------------------------------------------------------------------------------------------------------** |
|  | **How many times do you fill up the canister per cooking session?** |
|  | What do you use as cooking fuel for the Servals TLUD? In case of multiple fuel what is the proportion of each type? What quantity of each type per month? Rate at which you buy per kg/litre? Please answer only with respect to the TLUD usage

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Fuel Type** |  | **Proportion** | **KG/litre p.m** | **Rate** | **Cost/Month** |
| **Fire Wood** | **1** |  |  |  |  |
| **Cow Dung Cakes** | **2** |  |  |  |  |
| **Kerosene Oil** | **3** |  |  |  |  |

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|  | **How do you procure the fuel that you use for cooking? Please answer with respect to the Servals TLUD only.****Buy it : 1 Collection : 2** |
|  | **In case of collection, who collects the fuel in your household? How much time is spent in collection in a day/week?Please answer with respect to the Servals TLUD only****\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
|  | **Do you observe a reduction in your consumption of fuelwood after using the TLUD? Please specify:** **I use the same amount** **I use a little less than before (-25%)** **I use about half of what I used before (-50%)** **I use much even less than half (-75%)** **I use different types of fuel (please specify)** |
|  | **Did you have to break the biomass into smaller bits to use in the TLUD?** |
|  | **How much time, per day, does it take to break the fuelwood into smaller bits?** |
|  | **How do you break the fuelwood into smaller bits?** |
|  | **In terms of procuring fuelwood for cooking, do you see any advantages of using the Servals TLUD over the old cookstove? What are they?****----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------** |
|  | **In terms of procuring fuelwood for cooking, do you see any disadvantages of using the Servals TLUD over the old cookstove? What are they?****----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------** |
|  | **What do you do with the charcoal that remains after using the TLUD?****------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------** |
|  | Which is the maximum price that you would be ready to pay for the TLUD? |
|  | **Overall, would you agree that the TLUD cookstove frees up time for the family?**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** |
|  | **Strongly Disagree** |  | **Neither** |  | **Strongly Agree** |
| **For the Women**  |  |  |  |  |  |
| **For the man** |  |  |  |  |  |
| **For the children** |  |  |  |  |  |
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|  | **With the time that is freed up because of the Servals TLUD, what kind of activities do you plan to use the time for?**

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| --- | --- |
| **Women** |  |
| **Children** |  |
| **Men** |  |

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|  | **Other than the above, are there any advantages you see from using Servals TLUD on a daily basis?****--------------------------------------------------------------------------------------------------------------** |
|  | **Other than the above, are there any disadvantages you see from using Servals TLUD on a daily basis?****--------------------------------------------------------------------------------------------------------------** |
|  | **Are there any improvements that you would suggest for the TLUD?** |