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**Royal Government of Bhutan**  
 COVID-19 Task Force  
 TSIRANG



C19TF-Tsirang/2021-22/

15 July 2021

To,

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**Sub: Expression of Interest for vehicle disinfection**

Sir / Madam,

In light of the COVID 19 pandemic, C19TF, Tsirang, would like to seek expression of interest to take vehicle disinfection work at Darachhu Check post Tsirang.

The bids should be submitted to the Procurement Officer, Dzongkhag Administration, Tsirang lon or before 10.00 am 22<sup>nd</sup> July 2021 and shall be opened on the same day at 10:30 am.

The bids should be addressed to:

The Incident Commander  
 Tsirang Covid-19 Taskforce

The bids should be submitted along with a bid security of Nu. 5000/-

Please refer Terms of Reference for further clarification.

Yours faithfully,

( Pema )  
 Incident Commander,  
 Tsirang Covid-19 Taskforce.



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## Term of Reference

In light of the COVID 19 pandemic, C19TF, Tsirang, would like to seek service from firm or individual (*herein called as service provider*) for disinfecting vehicles that would be transporting goods to other parts of the country from Tsirang through driver switching mode at Darachhu Checkpost .

*Note: The winning service provider shall require to have/obtain Trade License and submit within one week from the date of issue of award letter along with a performance security of Nu: 10000 /- (Ng ten thousand)only in the form of Bank Guarantee, Demand Draft or cash warrant.*

### Termination

The TC19TF may at any given point of time end or terminate the contract in part of whole if the service provider is found in breach of the Covid protocol or if the service is not provided as per the agreement. The performance security shall be forfeited and the matter shall be referred to concern office based on the degree and relatability of the case.

### Services to be provided

Disinfecting interior parts of the vehicle or frequently touched surface inside the vehicle like door handle, steering, brake, accelerators, clutch, dash box, gear handle, indicator handle, etc. with approved chemicals with a minimum of 70% alcohol. Use disinfectant to either wipes or spray a disinfectant on a towel and wipe the vehicle parts. The Service Provider must provide all labor, material (disinfectant) and equipment necessary for vehicle disinfection work.

The personnel deployed for disinfection should have full PPE (Mask, Face shield, Gloves and Gumboot). Should dispose of all the PPEs at proper place and change the PPE every Weekly

### Disinfectants/chemicals to be used

1. *Sodium Hypochloride*, commonly known as bleach (either powder or liquid)  
Concentration required – 0.5 %.
2. Ethanol 70 % (Hand sanitizer)

### Preparation from bleaching powder:

% chloride desired / % chloride in powder = gram of bleaching powder for each liter of water.

*Example:* To make 0.5 % sodium chloride solution from bleaching powder containing 34% content supply  $0.5\% / 34\% \times 1000 = 14.75$  grams

Therefore, 14.57 gm of bleaching must be dissolved in a liter of water to get 0.5 % bleaching solution.



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**Preparation from bleaching liquid:**

Liquid containing 1.25 %: For every 2 part liquid bleach, add 4 part water to make 5% bleaching solution (200 ml of liquid bleach in 800 ml of water)

Liquid containing 5%: For every 1 part liquid bleach, add 9 part water to make 0.5% bleaching solution (100 ml of liquid bleach in 900 ml of water)

Hand sanitizer containing 70% alcohol solution can be used to disinfect interior parts of the vehicle or frequently touched surface inside the vehicle like door handle, steering, brake, accelerators, clutch, dash box, gear handle, indicator handle, etc .

**Rate**

Vehicle Type	Rate per vehicle
Heavy Vehicle	
Medium Vehicle	
Light Vehicle	

**Working time**

24Hrs, 7 days in a week.

**Submitted by:**

Name and Signature

Contact Address