

# Technology Challenge to develop Quick assembly, light weight easy transportable cages

The state of Gujarat is increasingly witnessing Human animal interface issues. The Forest Department becomes anxious whenever such issues happen and finds increasingly hectic and difficult to deal such scenarios in present socio-political, media and sentiment driven environment. Apart from the administrative, legal and emotive issues, there is important element of animal behavior that is involved in dealing with the conflict. The quick response is key to mitigate crisis situation that may arise due Human animal interface.

The State of Gujarat faces Human Animal interface with carnivores as well as herbivores. However, the interface calls for emergency response with large carnivores especially Leopard, Sloth Bear, Crocodile and occasionally Lion.

The trap and Ring cages are also used in rescue and release operation.

The broad parameters of technological solution should be as under,

## 1. Lion Trap cage

Size: 6.5'x3.5'x4.0'

Weight: less than 150 Kg

Type: collapsible should be able to erect at sight in half an hour

1. Ventilation: fully breathable
2. Openings: Auto trip door – the door should close immediately after animal enters fully.
3. The cage should better than existing cages
4. The platform for keeping and securing bait should be provided
5. The cage should be able to be shifted by crane or jeep for further transportation.
6. The cage should be all weather. It should not rust in open conditions.
7. It should have fixed wheels or detachable wheels
8. The cage should be such that trapped animal is not injured and also not able to break free

## 2. Leopard Trap cage

Size: 4.5'x2.5'x3.5'

Weight: less than or about 100 Kg in weight

Type: collapsible. Should be able to erect at sight in half an hour

1. Ventilation: fully breathable
2. Openings: auto trip door – the door should close immediately after animal enters fully.
3. The cage should better than existing cages
4. The platform for keeping and securing bait should be provided
5. The cage should be able to be shifted by crane or jeep for further transportation.
6. The cage should be all weather. It should not rust in open conditions.
7. It should have fixed wheels or detachable wheels
8. The cage should be such that trapped animal is not injured and also not able to break free

### 3. Lion Ring cage

This cage used to capture Lion group. At present MS fabricated structure is used with manual trip. The easily transportable cages are needed for field rescue. Ring Cage is generally used to rescue whole group of lion.

Size: Ring cage should have diameter around 8 to 9 meters with circumference of about 28 meters.

**Weight:** Has to be light in weight than the existing one.

Type: collapsible. Should be able to erect at sight in half an hour

1 Ventilation: fully breathable

2 Openings: auto trip door – the door should close immediately after animal enters fully.

3 The cage should better than existing cages

4 The platform for keeping and securing bait should be provided

5 The parts of cage should be able to be light in weight to be transported easily.

6 The cage should be all weather. It should not rust in open conditions.

7 The cage should be such that trapped animal is not injured and also not able to break free.

**A technology challenge is being thrown to design and fabricate these cages. It is requested that concept note along with details may be sent at following address**

Address:

Director

Sakkarbaug Zoo, Junagadh

Sardarbaug, Junagadh.

Email: [directorsbz@rediffmail.com](mailto:directorsbz@rediffmail.com)

1. The Field testing of Sample will be done and once the solution is found suitable then will be recommended for future use in whole of Gujarat. The requirement may be up to 20-50 cages.
2. More clarification may be sought through email on [directorsbz@rediffmail.com](mailto:directorsbz@rediffmail.com) The final procurement will be done through Gem Portal.
3. The Submission of proposal/ Sample, Development and Testing and demonstration will be borne by the proponent only. The Gujarat Forest Department will not bear any cost what so ever. The loss of product sample during field will not be compensated in anyway by Forest Department.
4. The Gujarat Forest Department will not be bound to purchase the item at any stage.
5. Interested person may submit the details of product and information as provided in Annexure - I.

## Annexure I

1. Name of proponent:
2. Address :
3. Contact Person:
4. Cost of Product : (INR)
5. Brief Description of Product.
  
6. Important Parameters Details
  
  
7. Ready for demonstration on scheduled date?
  
  
8. Capability to provide required number in time?