

**GOVERNMENT OF INDIA  
BHABHA ATOMIC RESEARCH CENTRE**

Ref: FTU/OPA/122061

Dt. 24-11-20

**Sub: Inviting Expression of Interest (EOI) for carrying out 'Sea route shipment trial of Kesar mango processed by BARC developed technology including radiation treatment'**

Bhabha Atomic Research Centre, Department of Atomic Energy, Mumbai has developed a post-harvest technology for shelf life extension of 'Kesar' mango suitable for sea-route shipment. The centre is now interested in actual commercial trial of sea-route shipment. For implementation of this trial, Terms and Conditions are given below, and interested firm(s) should contact within 15 days from the date of issue of this notification to work out the modalities to enter into a MoU.

**Terms & Conditions:**

**Experimental:**

1. Two batches of trial shipments
  - a. First shipment: To Gulf/ Malaysia (Short voyage time)
  - b. Second shipment: To USA (Long voyage time)
2. Required reefer container temperature: 10-11°C
3. Required cold storage relative humidity  $\geq 85\%$
4. Expected processing quantity of 'Kesar' mangoes per shipment: 10 tons (Total 20 tons)
5. Required radiation dose: 400 Gy (Dmin)
6. Tentative period of commencement: First week of May, 2021
7. Mango boxes have to be stored at the destination port as per the Technical document to remove the surface moisture prior to marketing

**Financial**

**Cost borne by the interested firm or its associate at USA**

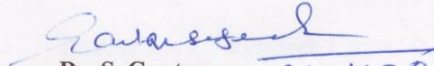
1. Cost of 20 tons hard mature 'Kesar' mangoes from APEDA registered farm
2. Cost of transportation (including loading/unloading), processing and packaging (as per the norms of importing country) at farm as well as at irradiation facility
3. Container charges for total voyage period

4. Marketing responsibility and the associated cost in USA

**Cost borne by BARC**

- Irradiation and preservative cost

**Note:** Interested firm is allowed to approach APEDA for any financial assistance for this trial shipment if needed.

  
**Dr. S. Gautam** 24.11.20

SO/H

FTD, BARC, Mumbai

Approved by:



**Dr. S. K. Ghosh**

Associate Director, BSG

**To: SIRD for uploading of EOI**

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