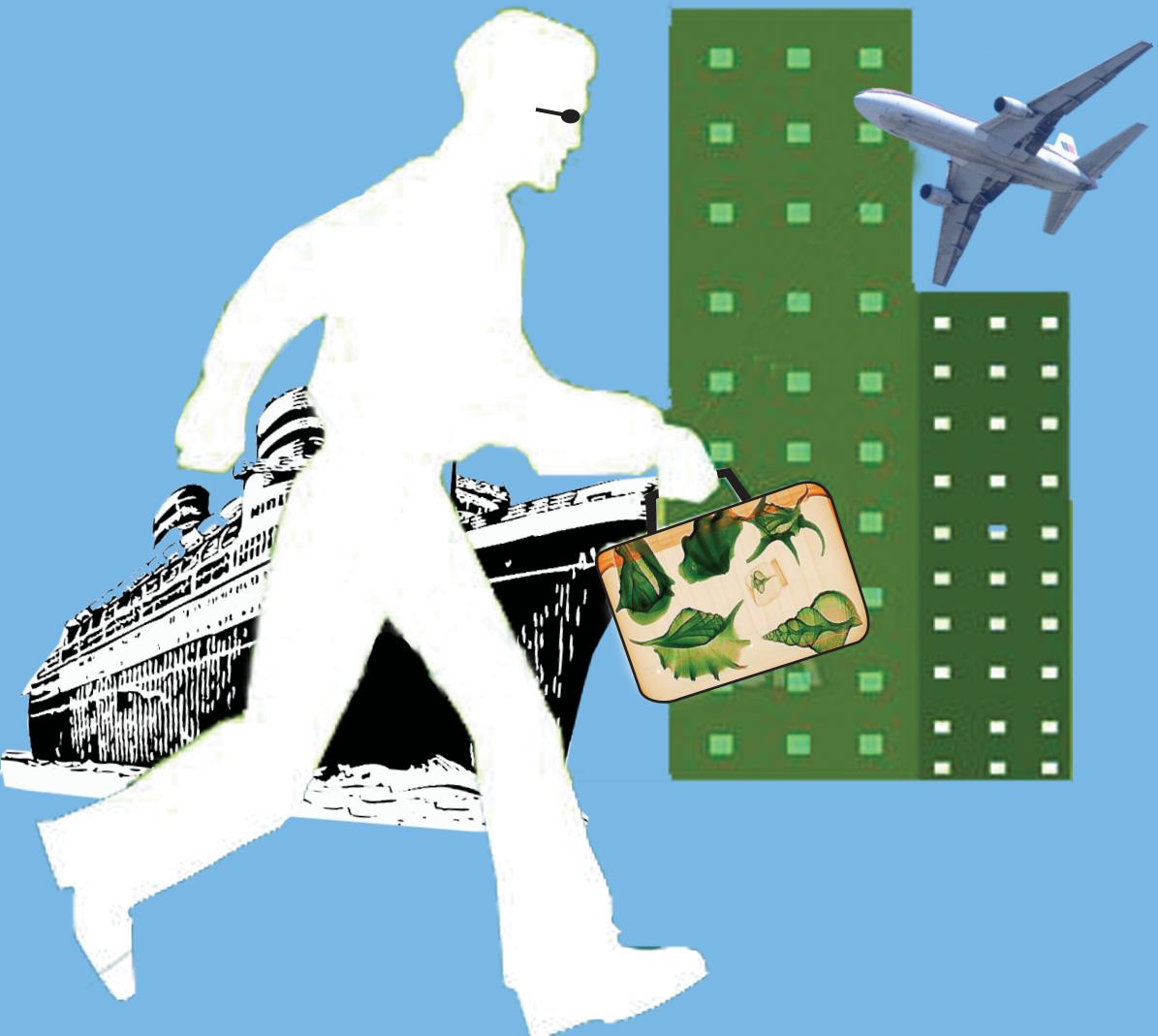




## X-RAY IMAGES OF WILDLIFE PRODUCTS

A Catalogue of Wildlife Contraband  
Commonly Carried in Personal Baggage



### WILDLIFE CRIME CONTROL BUREAU

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### WILDLIFE CRIME CONTROL BUREAU

MINISTRY OF ENVIRONMENT AND FORESTS

GOVERNMENT OF INDIA

# X-Ray Images of Wildlife Products



A Catalogue of Wildlife Contraband  
Commonly Carried in Personal Baggage



WILDLIFE CRIME CONTROL BUREAU



जयंती नटराजन  
Jayanthi Natarajan



राज्य मंत्री (स्वतंत्र प्रभार)  
पर्यावरण एवं वन मंत्रालय  
भारत सरकार  
नई दिल्ली-110 003  
MINISTER OF STATE (INDEPENDENT CHARGE)  
ENVIRONMENT & FORESTS  
GOVERNMENT OF INDIA  
NEW DELHI-110 003

## FOREWORD

India is one of the mega bio diverse countries of the world. This diversity is, however, under stress from the organized illegal wildlife trade with global ramifications. The trade has spread its ugly tentacles in all sections of the society and continues to grow each day. If left unchecked, this will soon spell the end of several species. Wildlife contrabands starts its journey from the place of its poaching at a remote part of our country, moves by many modes of conveyance and crosses many borders passing through jurisdictions of many enforcement agencies competent to seize the contraband, though it may not be their primary functional area. Their personnel sometimes lack knowledge and experience for recognizing the wildlife contraband as it passes without detection.

I am happy to see that Wildlife Crime Control Bureau (WCCB) has identified this as a critical area for improvement and brought out this handbook which will serve as a ready reference for enforcement agencies at exit points, thus leading to better detection, control and prevention of wildlife crime. This handbook which has been painstakingly prepared by WCCB, will prove to be very useful to all the personnel of agencies engaged in screening of baggage.

(Jayanthi Natarajan)  
13/2/12





## PREFACE

There have been requests from the enforcement agencies at the exit points and border guarding agencies to develop the skills of their personnel to visually recognize various wildlife contrabands which they come across during inspection, baggage screening, surveillance etc. Based on this felt need, Wildlife Crime Control Bureau (WCCB) has made an honest effort to compile the x-ray images of commonly smuggled wildlife articles out of the country. This exercise is an attempt to make the identification of wildlife contraband easier for the personnel handling the scanners so that suspicious items can be detected and put to further confirmatory scientific and forensic examination for legal action against the defaulter.

It is expected that the use of this manual would result in higher detection of clandestine trade of wildlife articles and also prove as a strong deterrence to poachers, traders and buyers both within and outside the country.

(Dr. T. Chatterjee)



जहाँ है हरियाली /  
वहाँ है खुदाहाली //

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## **ACKNOWLEDGEMENT**

The compilation of the ‘X-ray images of wildlife species in trade’ into a Catalogue has been conceptualized and guided by Smt. Rina Mitra, IPS, Additional Director, Wildlife Crime Control Bureau and Sh S.B.Negi, IPS/Joint Director, WCCB.

**WCCB would like to express its gratitude to the following Departments/Agencies:**

- Delhi International Airport Limited (DIAL), New Delhi; Mumbai International Airport Limited (MIAL), Mumbai to facilitate the development of x-ray images of the samples at their training centers.
- National Museum of Natural History (NMNH) for providing the required samples for scanning. We owe our gratitude to Director, NMNH & his team for their cooperation.
- Regional Deputy Director (RDD), Northern Region & Western Region for providing required sample for scanning.

We would also like to acknowledge the work done by the following officials and individuals:

- Sh. Ramesh K. Pandey, IFS/DD, WCCB, Sh. S. Narayanan, IFS/RDD (SR), Sh. C. Behra, IFS/ RDD (ER) and their team to extend their help and support for completing this work.
- Sh. V.K.Dikshit, RDD (WR) for his efficient supervision in sampling and liaisoning with different agencies to complete the job in a short span.
- Sh. Arbind Kumar Jha, Asst. Director (BHQ) for liaisoning with NMNH & DIAL
- Sh. S.V. Sheshadri, Wild Life Inspector WCCB (WR), Sample collection, digital imaging and liaisoning with MIAL
- Sh. M. Maranko, Wildlife Inspector WCCB (SR), for editing the text.
- Mrs. Neha Sharma, CFA, WCCB, New Delhi, for sample collection, texting and coordination with DIAL & NMNH
- Sh. Rakesh Burman, TA, WCCB (WR), Mumbai, for providing text for the catalogue liaisoning with MIAL
- Sh. N.M Rane, UDC, WCCB (WR) & Sh. Devesh Sharma, Constable, WCCB (BHQ) for assisting in preparation of the catalogue.
- Sh. R. S. Sharath, Inspector, WCCB, H. Q. for final compilation of this manual.

We thank all people who have contributed and extended help in this work whether recognized here or not.

It is our hope that the efforts made for compilation of this manual will help our national enforcement agencies who are engaged in screening of baggage at the exit points to detect illegal movement of wildlife contraband.



# DIGITAL SIGNATURE OF WILDLIFE PRODUCTS IN INTERNATIONAL TRADE

(An Initiative of Wildlife Crime Control Bureau for identification of wildlife products for Scanners at the International Airports.)

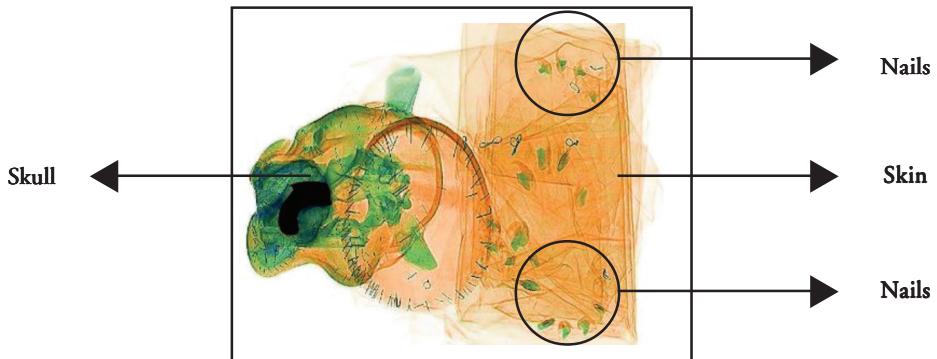
## Tiger Skin

1. **Common Name:** Tiger
2. **Scientific Name:** *Panthera tigris*
3. **Items in trade:** Whole Skin, Nails, Claws, Bones, trophy, etc.
4. **Real Image**



Whole Skin

5. **Scanned Image.**



**6. Identifying Features:**

**A. Scanned Image:** Orange Colour is seen for the skin and green colour is seen in case of paws. Nails have bone piece at its base which is visible as green in X-Ray Image.

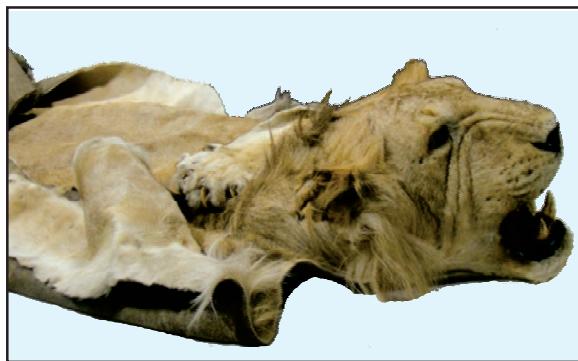
**B. Real Image/Product.** Black stripes are present on the yellowish orange coat. Paws are bony.

**7. Remarks:** Whole skin, nail, bone, claws, whiskers, etc all the body parts are being traded. Bones are mainly used to make traditional Chinese medicine.

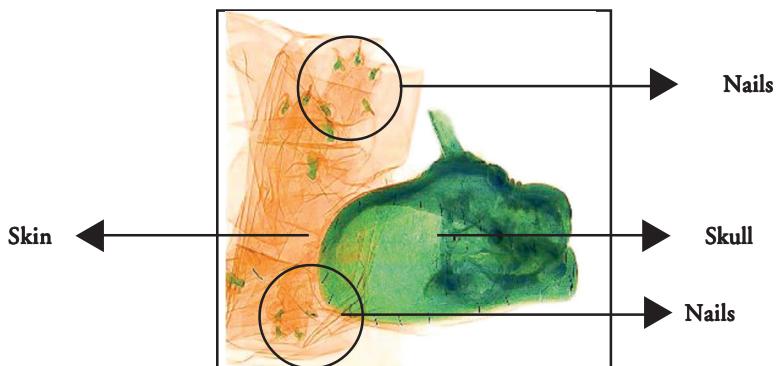
**8. Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act 1972 and Appendix I to the CITES. Export/Import is prohibited as per the provisions of the Export/Import Policy (EXIM).

## Lion Skin

1. **Common Name:** Lion
2. **Scientific Name:** *Panthera leo*
3. **Items in trade:** Whole Skin, Nails, Claws, Bones, trophy, etc.
4. **Real Image**



5. **Scanned Image.**



6. **Identifying Features:**

**A. Scanned Image:** Orange Colour is seen for the skin and green colour is seen in case of nails. Nails have bone piece at its base which is visible as green in X-Ray Image.

**B. Real Image/Product.** A fuller coat, a longer tassel of hair at the end of its tail, a more pronounced tuft of hair on its belly. The mane is light or dark, rarely quite black.

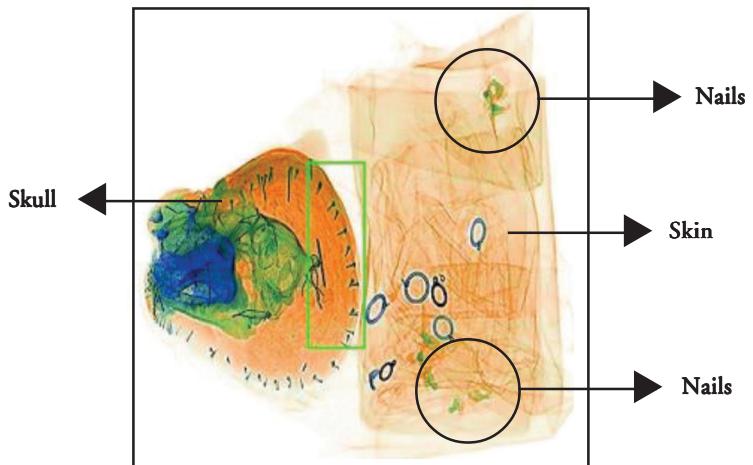
7. **Remarks:** Whole skin, nail, bone, claws, whiskers, etc all the body parts are being traded. Bones are mainly used to make traditional Chinese medicine.
8. **Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act, 1972 and Appendix I to the CITES. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Leopard Skin

1. **Common Name:** Leopard
2. **Scientific Name:** *Panthera pardus*
3. **Items in trade:** Whole Skin, Nails, Claws, Bones, trophy, etc.
4. **Real Image**



5. **Scanned Image.**



6. **Identifying Features:**

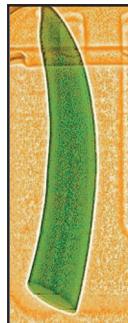
- A. **Scanned Image:** Orange colour is seen for the skin.
- B. **Real Image/Product.** Coat colour is usually fulvous to bright golden, marked with small close set rosettes and spots. Head, limbs and tail are also spotted.
7. **Remarks:** The substitute species for tiger. Leopard skins and other body parts are traded as trophies, ornaments, items of clothing and for use in traditional Chinese Medicines.
8. **Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act, 1972 and Appendix I to the CITES. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Indian Elephant Ivory.

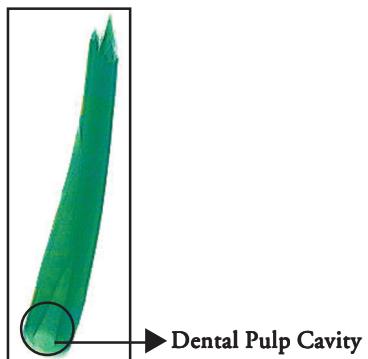
1. **Common Name:** Indian Elephant Ivory.
2. **Scientific Name:** *Elephas maximus*
3. **Items in trade:** Whole ivory, carved figures, Bangles, Jewellery, Japanese signature seal etc.
4. **Real Image.**



5. **Scanned Image.**



Ivory



Ivory

6. **Identifying Features:**

- A. **Scanned Image:** Green or Bluish Green color. Hollow dental pulp cavity clearly visible in the middle of Tusk/Ivory which may extend to one third or half of the length.
- B. **Real Image/Product.** Creamish White color. Unlike bone, ivory has no blood vessel system thus denser. Schreger lines are seen (cross markings like finger prints).

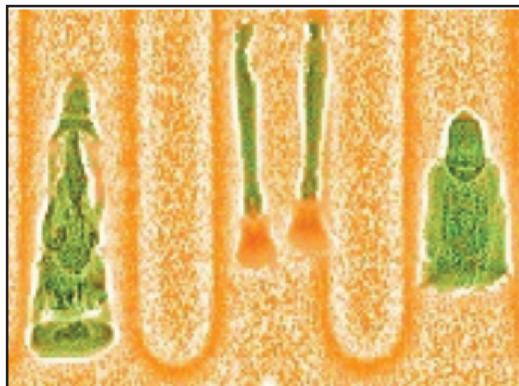
7. **Remarks:** Ivory includes tusk of Indian Elephant, African Elephant, Mammoth Ivory, Walrus tusk, Hippo teeth etc.
8. **Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act, 1972 and Appendix I to the CITES. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Indian Elephant Ivory Articles.

1. **Common Name:** Indian Elephant.
2. **Scientific Name:** *Elephas maximus*
3. **Items in trade:** Whole ivory, carved figures, Bangles, Jewellery, Japanese signature seal etc.
4. **Real Image.**



5. **Scanned Image.**

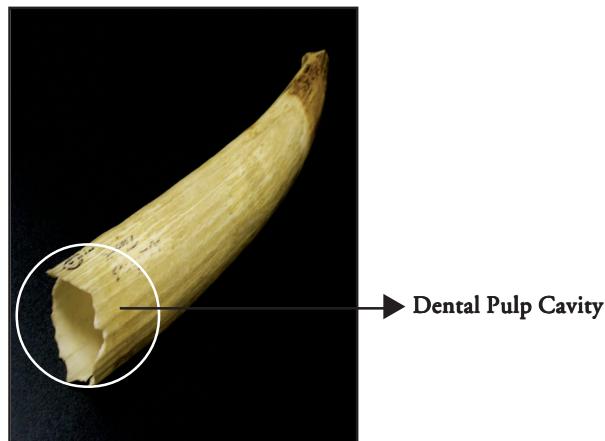


**Ivory Articles**

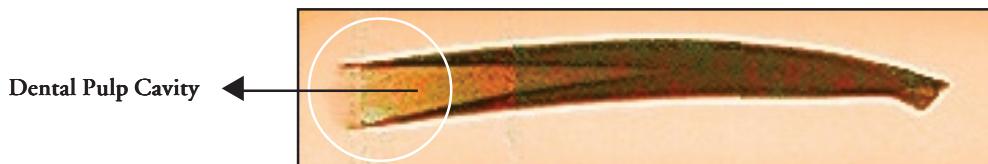
6. **Identifying Features:**
  - A. **Scanned Image:** Green color.
  - B. **Real Image/Product.** Creamish White color. Unlike bone, ivory has no blood vessel system thus denser. Schreger lines are seen (cross markings like finger prints).
7. **Remarks:** Ivory includes tusk of Indian Elephant, African Elephant, Mammoth Ivory, Walrus tusk, Hippo teeth etc.
8. **Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act, 1972 and Appendix I to the CITES. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Walrus Tusk

1. **Common Name:** Walrus Tusk.
2. **Scientific Name:** *Odobenus rosmarus*
3. **Items in trade:** Whole Tusk.
4. **Real Image**



5. **Scanned Image.**



6. **Identifying Features:**

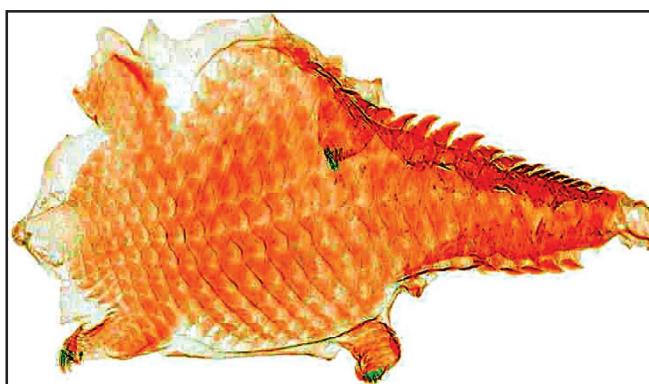
- A. **Scanned Image:** Green or Brownish Green color. Hollow dental pulp cavity clearly visible in the middle of Tusk/Ivory which may extend to one third or half of the length.
- B. **Real Image/Product.** Creamish white color. Size 9" to 12"
7. **Remarks:** Ivory includes tusk of Indian Elephant, African Elephant, Mammoth Ivory, Walrus tusk, Hippo teeth etc.
8. **Legal Status:** Listed Appendix III (Canada) to the CITES. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Pangolin Skin

1. **Common Name:** Indian Pangolin.
2. **Scientific Name:** *Manis crassicaudata*
3. **Items in trade:** skin/scales
4. **Real Image.**



5. **Scanned Image.**



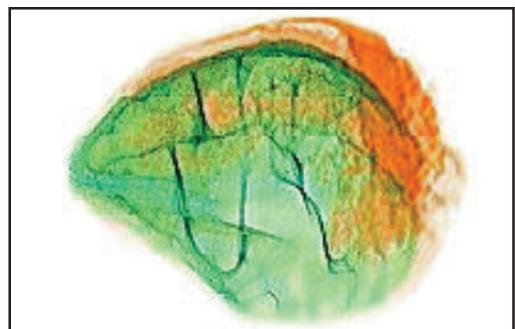
6. **Identifying Features:**
  - A. **Scanned Image:** Orange color. Scale patterns are visible. Nails are green in color.
  - B. **Real Image/Product.** Light to dark brown in colour. The physical appearance of pangolins is marked by large, hardened, plate like scales (made of keratin).
7. **Remarks:** Pangolin skin and scales are mostly traded for its medicinal value. They are used to make rings and other decorative items.
8. **Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act, 1972. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Rhino Horn

1. **Common Name:** One-Horned Rhinoceros.
2. **Scientific Name:** *Rhinoceros unicornis*
3. **Items in trade:** Horns
4. **Real Image.**



5. **Scanned Image.**



6. **Identifying Features:**

- A. **Scanned Image:** Orange color (sample without bone content whereas a sample with bone reflects green color).
- B. **Real Image/Product.** Grayish brown to black. The texture of rhino horn is rough due to the presence of rough hair on the surface of the horn (made of keratin).

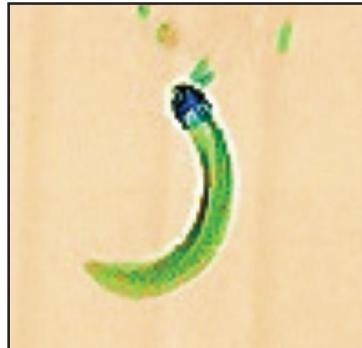
7. **Remarks:** Rhino Horns are used in East Asian Traditional medicines.
8. **Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act, 1972, and Appendix I to the CITES. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Wild Boar Tusk

1. **Common Name:** Wild Boar Tusk.
2. **Scientific Name:** *Sus scrofa*
3. **Items in trade:** Full Tusk.
4. **Real Image**



5. **Scanned Image.**



6. **Identifying Features:**

- A. **Scanned Image:** Slightly greenish in colour.
- B. **Real Image/Product.** The upper tusks are bent upwards in males, and are regularly ground against the lower ones to produce sharp edges. The tusks normally measure about 6 cm (2.4"), in exceptional cases even 12 cm (4.7"). Females also have sharp canines, but they are smaller, and not protruding like the male's tusks.

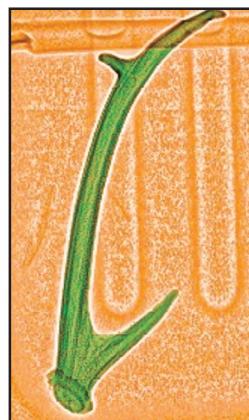
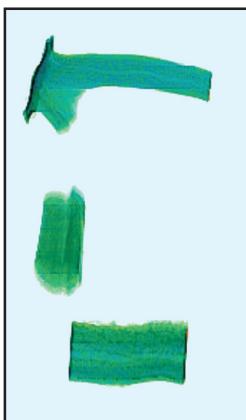
7. **Remarks:** Used as Talismans.
8. **Legal Status:** Listed in Schedule III of the Wildlife (Protection) Act, 1972. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Deer Antler of Sambhar & Chital.

1. **Common Name:** Deer Antler of Sambhar & Chital.
2. **Scientific Name:** *Axis axis* & *Cervus unicolor*
3. **Items in trade:** Antler & articles like handles, button etc.
4. **Real Image.**



5. **Scanned Image.**



6. **Identifying Features:**

- A. **Scanned Image:** Green or Bluish Green color. Solid structure, with a narrow cavity at the core. Shape of Deer Antler and uneven surface visible.
- B. **Real Image/Product.** Light to dark brown in color. Unlike bone, antler has no blood vessel system thus denser.

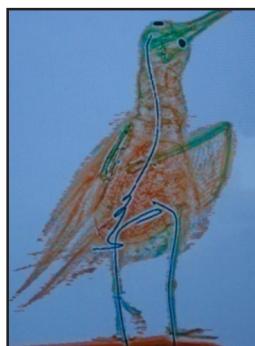
7. **Remarks:** Deer Antlers are used in Cutlery handles, Revolver butts, Buttons, Handicrafts etc.
8. **Legal Status:** Listed in Schedule III of the Wildlife (Protection) Act, 1972. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Pallas's Gull

1. **Common Name:** Pallas's Gull/Great Black Headed Gull.
2. **Scientific Name:** *Larus ichthyaetus*
3. **Items in trade:** Live birds.
4. **Real Image**



5. **Scanned Image.**



6. **Identifying Features:**

- A. **Scanned Image:** Skeleton is seen as green and rest of the body is seen as orange in colour. Since, it is a stuffed bird, the internal metal wire supports are seen as blue.
- B. **Real Image/Product.** Head blackish. The adults have grey wings and back, with conspicuous white "mirrors" at the wing tips. The legs are yellow and the bill is red.

7. **Remarks:** Gulls are typically medium to large birds, usually grey or white, often with black markings on the head or wings. They typically have harsh wailing or squawking calls, stout, longish bills, and webbed feet. This species breeds in colonies in marshes and islands from southern Russia to Mongolia. It is migratory, wintering in the Eastern Mediterranean, Arabia and India.

## White Cockatoo/Umbrella Cockatoo

1. **Common Name:** White Cockatoo/Umbrella Cockatoo.
2. **Scientific Name:** *Cacatua alba*.
3. **Items in trade:** Live birds.
4. **Real Image**



5. **Scanned Image.**



6. **Identifying Features:**

- A. **Scanned Image:** Skeleton is seen as green and rest of the body is seen as orange in colour. Since, it is a stuffed bird, the internal metal wire supports are seen as blue.
- B. **Real Image/Product.** This threatened white parrot has brown or black eyes and a dark grey beak. When surprised, it extends a large and striking crest, which has a semicircular shape. The undersides of the wings and tail have a pale yellow or lemon color which flashes when they fly.

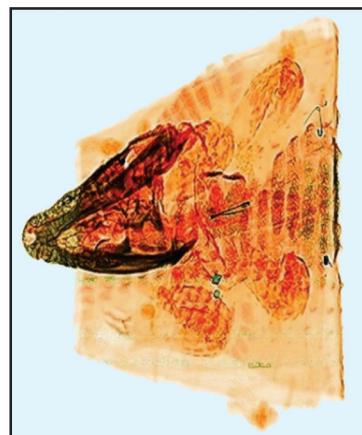
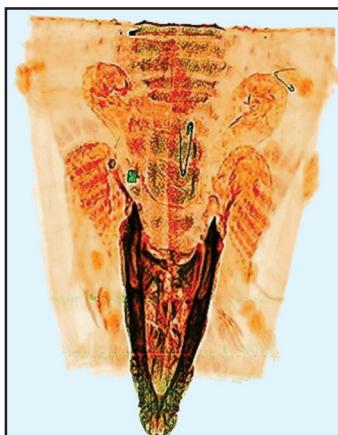
7. **Remarks:** Endemic to the islands of Halmahera, Bacan, Ternate, Tidore, Kasiruta and Mandiole in North Maluku, Indonesia. The White Cockatoo is considered vulnerable by the IUCN. Its numbers in the wild have declined owing to capture for the cage bird trade and habitat loss. Mostly used as Pet Birds.
8. **Legal Status:** This bird is coming under the Order Psittaciformes and all Psittaciformes species are listed in different Appendices to the CITES. Export/import is restricted.

## Crocodile Bags

1. **Common Name:** Crocodile
2. **Scientific Name:** *Crocodylus sp.*
3. **Items in trade:** Shoes, Whole skin, Purses, Wallets, Watch straps etc.
4. **Real Image**



5. **Scanned Image.**



6. **Identifying Features:**
  - A. **Scanned Image:** Orange Colour. Contours of Scales Visible. Mandible portion is green.
  - B. **Real Image/Product.** Distinctive scale Pattern. Rough surface.
7. **Remarks:** Alligator, Caiman, Gharial Skins also in the trade and look similar. Other Manufactured products include, Purses, wallets, watch straps, full skins etc.
8. **Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act, 1972 and Appendix I/II to the CITES. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Crocodile Shoes.

1. **Common Name:** Crocodile Shoes.
2. **Scientific Name:** *Crocodilus sp.*
3. **Items in trade:** Shoes, Whole skin, Purses, Wallets, Watch straps etc.
4. **Real Image.**



5. **Scanned Image:**



6. **Identifying Features:**

- A. **Scanned Image:** Orange Color. Contours of Scales Visible. Mostly handmade so nails in sole are clearly visible.
- B. **Real Image/Product.** Distinctive scale Pattern. Rough surface.
7. **Remarks:** Alligator, Caiman, Gharial Skins also in the trade and look similar. Other Manufactured products include, Purses, wallets, watch straps, full skins etc.
8. **Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act, 1972 and Appendix I/II to the CITES. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Star Tortoise.

1. **Common Name:** Star Tortoise.
2. **Scientific Name:** *Geochelone elegans*.
3. **Items in trade:** Live animal.
4. **Real Image.**



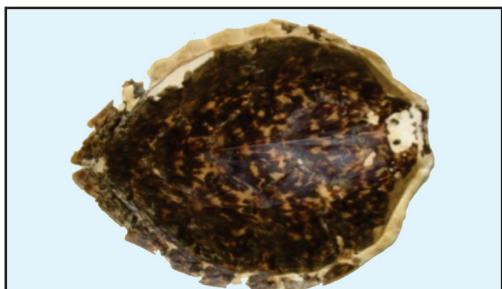
5. **Scanned Image.**



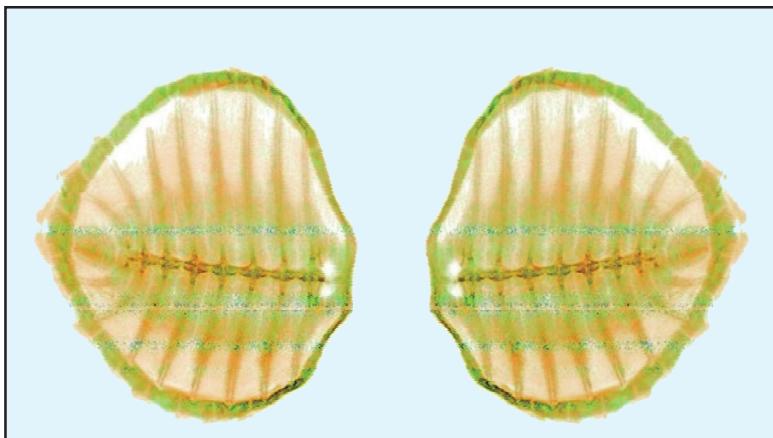
6. **Identifying Features:**
  - A. **Scanned Image:** Orange color, Oval Shape. Four appendages and head visible in the scan carapace visible as green rim due to dermal bone.
  - B. **Real Image/Product.** Live tortoise with star shaped markings on the carapace. Size upto 10 inches.
7. **Remarks:** Used as a pet and food item.
8. **Legal Status:** Listed in Schedule IV of the Wildlife (Protection) Act, 1972 and Appendix II to the CITES. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Turtle Carapace

1. **Common Name:** Turtle Carapace/Turtle Shell.
2. **Scientific Name:** *Eretmochelys imbricata*
3. **Items in trade:** Whole Carapace, made into Spectacle frames, etc.
4. **Real Image**



5. **Scanned Image.**



6. **Identifying Features:**

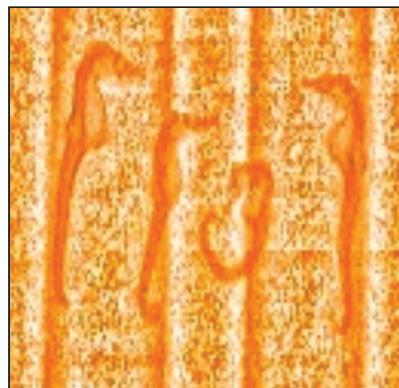
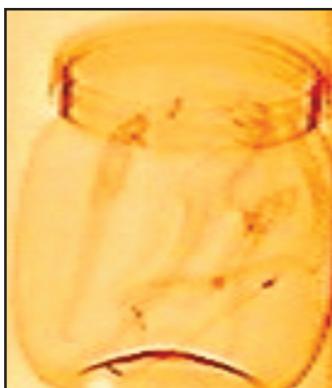
- A. **Scanned Image:** Greenish orange in colour. Rim visible as green due to dermal bone.
  - B. **Real Image/Product.** The carapace is the dorsal (back), convex part of the shell structure of a turtle, consisting of the animal's ribcage combined with dermal bone. It is blackish yellow in colour .
7. **Remarks:** Turtle shell is made into spectacle frames, boxes, earrings, bangles, etc. In some cases the carapaces are stuffed and sold as souvenirs. These are also used to make traditional musical instrument.
  8. **Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act, 1972 and Appendix I to the CITES. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Sea Horse

1. **Common Name:** Sea Horse.
2. **Scientific Name:** *Hippocampus spp.*
3. **Items in trade:** Dried fish, live fish for aquarium.
4. **Real Image**



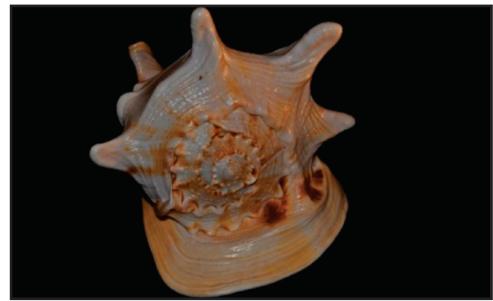
5. **Scanned Image.**



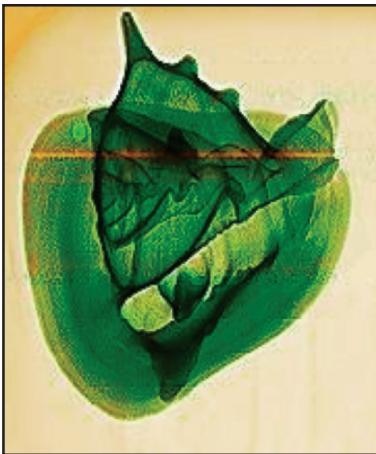
6. **Identifying Features:**
  - A. **Scanned Image:** Orange in colour, shape appears as in real image.
  - B. **Real Image/Product.** Elongated semi flexible body with armoured bony plates. Head like horse, snout tubular. Hence it is called Sea Horse.
7. **Remarks:** Sea horses have great commercial value. It is a good ornamental (aquarium) fish and also stuffed to make decoration pieces. Dry fish used in traditional Chinese medicine.
8. **Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act, 1972 and Appendix II to the CITES. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Horned Helmet

1. **Common Name:** Horned Helmet
2. **Scientific Name:** *Cassis cornuta*
3. **Items in trade:** Whole Shell.
4. **Real Image**



5. **Scanned Image.**



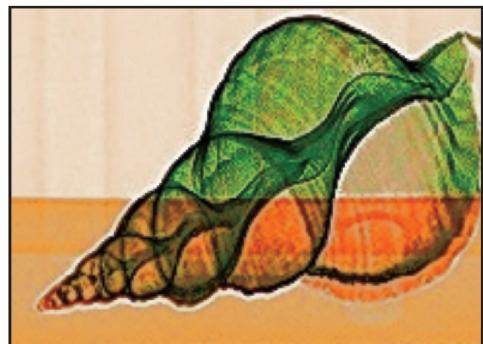
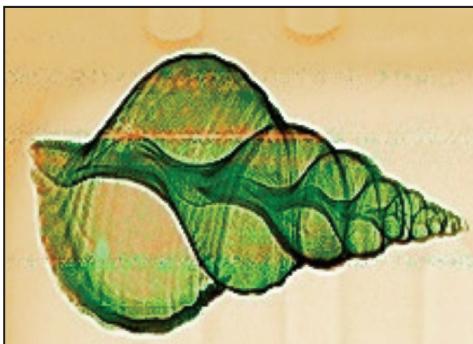
6. **Identifying Features:**
  - A. **Scanned Image:** Green in colour with internal structures are seen
  - B. **Real Image/Product.** Solid, heavy, cream coloured shell. Ornamented with faint spiral rows of spots, heavy knobs, etc.
7. **Remarks:** Whole shell is sold as souvenirs or decoration pieces. Handicraft products/ souvenirs may also be made such as lampshades.
8. **Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act, 1972. Export/ Import is prohibited as per the provisions of the EXIM Policy.

## Trumpet Triton

1. **Common Name:** Trumpet Triton
2. **Scientific Name:** *Charonia tritonis*
3. **Items in trade:** Whole Shell.
4. **Real Image**



5. **Scanned Image.**

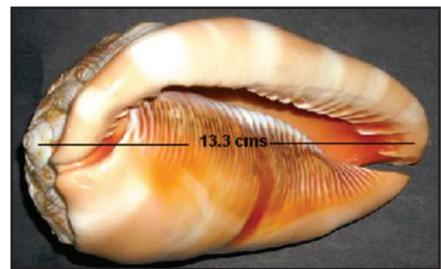
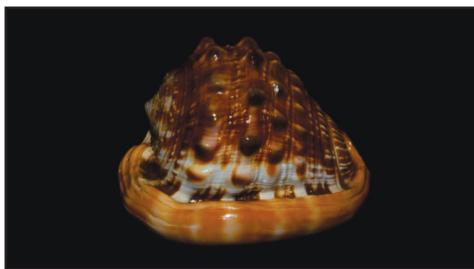


6. **Identifying Features:**

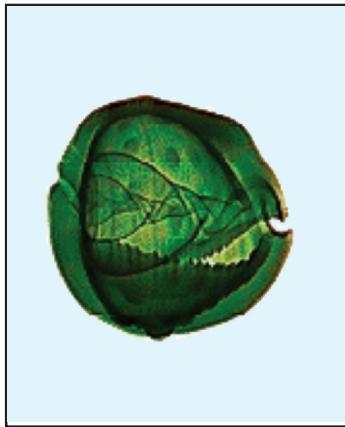
- A. **Scanned Image:** Internal Spiral characters in green colour are seen.
  - B. **Real Image/Product.** Creamy pink shell with dark brown patches on it. Broad body whorled with two prominent varices.
7. **Remarks:** The shell is used for manufacturing lime in lime industries. It is a collectors' item. It is also used as a form of trumpet.
8. **Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act, 1972. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Helmet Shell

1. **Common Name:** Helmet Shell
2. **Scientific Name:** *Cypraecassis rufa*
3. **Items in trade:** Sea Shells.
4. **Real Image.**



5. **Scanned Image.**



6. **Identifying Features:**

- A. **Scanned Image:** Green color. Helmet type shape. Three dimensional Shell linings clearly visible in the image.
- B. **Real Image/Product.** Color : Reddish Brown. Extremely thick, heavy, very glossy with rows of rounded knobs.

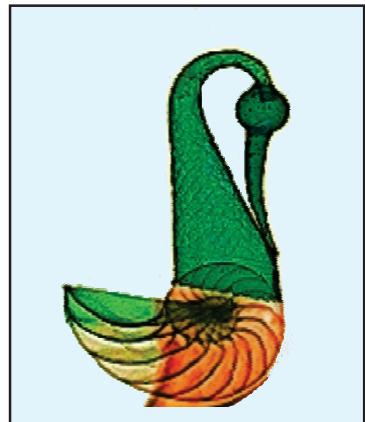
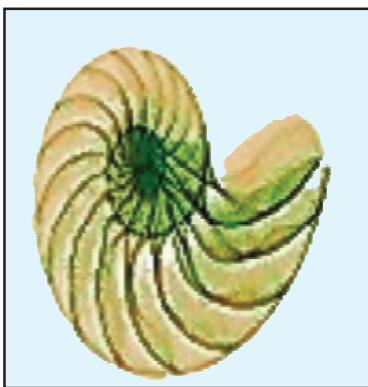
7. **Remarks:** Polished shell used as decorative item.
8. **Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act, 1972. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Chambered Nautilus

1. **Common Name:** Chambered Nautilus
2. **Scientific Name:** *Nautilus pompilius*
3. **Items in trade:** Whole Shell, made into Handicraft.
4. **Real Image**



5. Scanned Image.



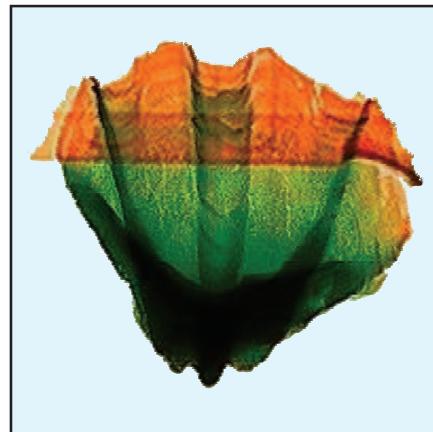
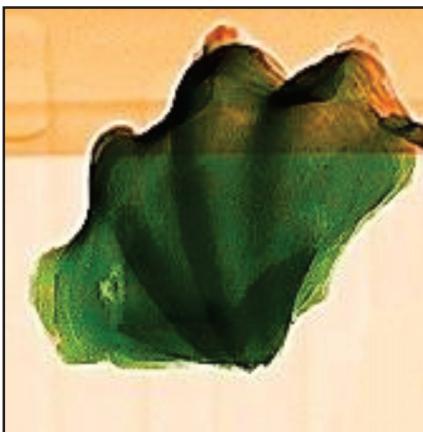
6. **Identifying Features:**
  - A. **Scanned Image:** Slightly greenish spiral chambers are visible.
  - B. **Real Image/Product.** White or cream coloured shell, partitioned, bilaterally symmetrical, spirally coiled, resulting chambers are connected with each other by a hollow tube.
7. **Remarks:** The shell is geometrically perfect. Whole shells are sold as such or polished and made pure white. It is often made into different kinds of handicrafts especially alongwith silver metal (EPNS). Also found to be declared as "MOP Birds".
8. **Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act, 1972. Export/ Import is prohibited as per the provisions of the EXIM Policy.

## Elongate Giant Clam

1. **Common Name:** Elongate Giant Clam
2. **Scientific Name:** *Tridacna maxima*
3. **Items in trade:** Whole shells.
4. **Real Image**



5. **Scanned Image.**



6. **Identifying Features:**
  - A. **Scanned Image:** Deep green coloured.
  - B. **Real Image/Product.** Bivalve shell, solid, triangular, concentrically sculptured with closely spaced undulate growth lines.
7. **Remarks:** These giant clams are the constituents of pottery glazes and also used in making floor tiles
8. **Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act, 1972 and Appendix II to the CITES. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Trapezium Conch

1. **Common Name:** Trapezium Conch
2. **Scientific Name:** *Fasciolaria trapezium*
3. **Items in trade:** Whole Shell.
4. **Real Image**



5. Scanned Image.



6. **Identifying Features:**

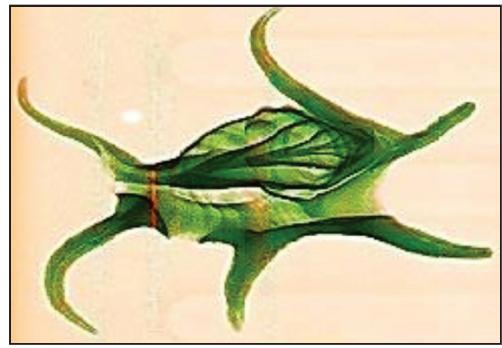
- A. **Scanned Image:** Internal Spiral characters in green colour are seen.
- B. **Real Image/Product.** Strong & heavy reddish, cream coloured shell. Spiral rows of large tubercles at periphery of spire whorls and shoulder of the body whorl.
7. **Remarks:** Commonly traded in India especially along the coast at tourists spots as whole shells or made into decorative pieces, table-lamps, pen stands, etc.
8. **Legal Status:** Listed in Schedule IV of the Wildlife (Protection) Act, 1972. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Chiragra Spider Conch

1. **Common Name:** Chiragra Spider Conch
2. **Scientific Name:** *Lambis chiragra*
3. **Items in trade:** Whole Shell, Handicrafts.
4. **Real Image**



5. **Scanned Image.**



6. **Identifying Features:**

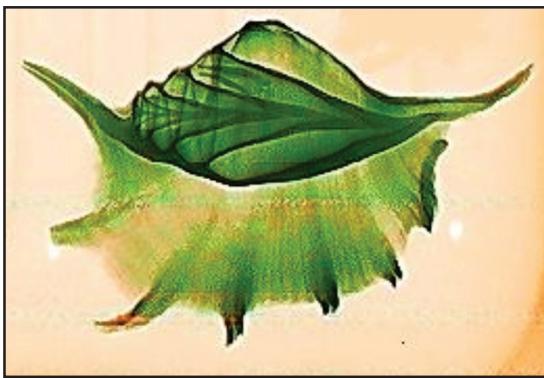
- A. **Scanned Image:** Internal Spiral characters in green colour are seen. Spines are also seen.
  - B. **Real Image/Product.** Shell white, with crowded zigzag streaks of purple brown colour. 5 large labial digitations with one siphonal canal (spine like structures) present.
7. **Remarks:** Sold as whole shells, pen stands, lamp shades, show-pieces, ashtrays, etc. Used in lime industries also.
  8. **Legal Status:** Listed in Schedule IV of the Wildlife (Protection) Act, 1972. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Truncate Spider Conch

1. **Common Name:** Truncate Spider Conch
2. **Scientific Name:** *Lambis truncata*
3. **Items in trade:** Whole shell, handicrafts.
4. **Real Image**



5. Scanned Image.



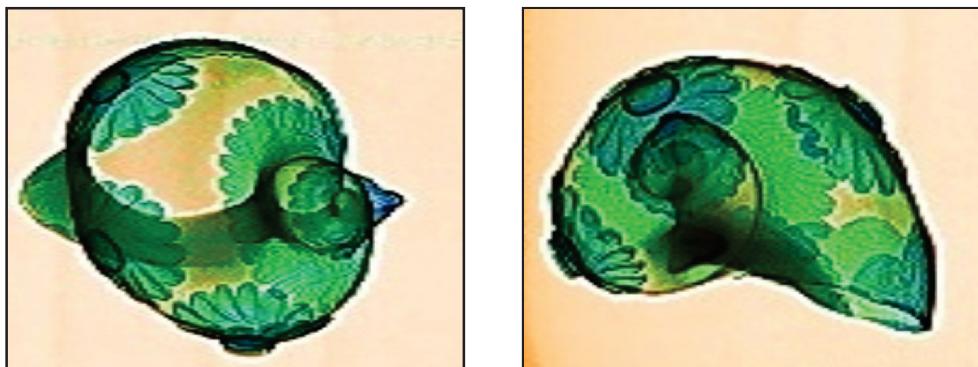
6. **Identifying Features:**
  - A. **Scanned Image:** Internal Spiral characters in green colour are seen. Spines are also seen.
  - B. **Real Image/Product.** Whitish shell with 6 slightly arching labial digitations and one straight siphonal canal (spine like).
7. **Remarks:** Traded as decorative sea-shells. Used in lime industries.
8. **Legal Status:** Listed in Schedule IV of the Wildlife (Protection) Act, 1972. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Great Green Turban

1. **Common Name:** Great Green Turban
2. **Scientific Name:** *Turbo marmoratus*
3. **Items in trade:** Whole shell, handicrafts.
4. **Real Image**



5. **Scanned Image.**



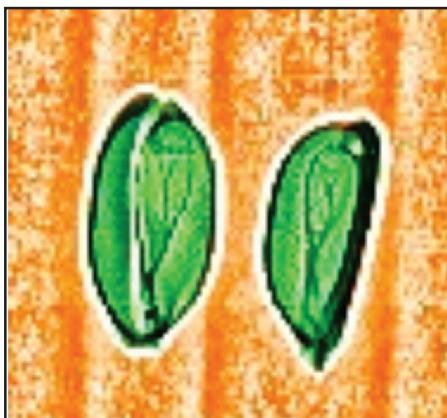
6. **Identifying Features:**
  - A. **Scanned Image:** Green colour.
  - B. **Real Image/Product.** Solid, heavy, coiled shell. Shell marbled with dark brown, green and cream coloured blotches.
7. **Remarks:** Commercially important, if dissolved in dilute acid, an exquisite Mother of Pearl layer is exposed. Made into knick-knacks like ashtrays, agarbatti stands, flower vases, etc.
8. **Legal Status:** Listed in Schedule IV of the Wildlife (Protection) Act, 1972. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Mole Cowrie

1. **Common Name:** Mole Cowrie
2. **Scientific Name:** *Cypraea talpa*
3. **Items in trade:** Whole Cowrie.
4. **Real Image**



5. **Scanned Image.**



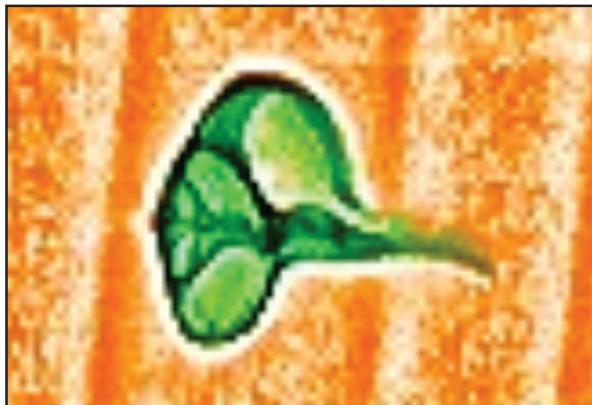
6. **Identifying Features:**
  - A. **Scanned Image:** Greenish orange in colour.
  - B. **Real Image/Product.** Alternate band of dark and light coloured (brownish-orange). Margins chocolate brown, whitish between the teeth.
7. **Remarks:** This is bigger in size compared to normal cowries. The entire shell is collected as Collector's Item.
8. **Legal Status:** Listed in Schedule IV of the Wildlife (Protection) Act, 1972. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Spiral Tudicla

1. **Common Name:** Spiral Tudicla
2. **Scientific Name:** *Tudicla spirillus*
3. **Items in trade:** Whole Shell.
4. **Real Image**



5. **Scanned Image.**



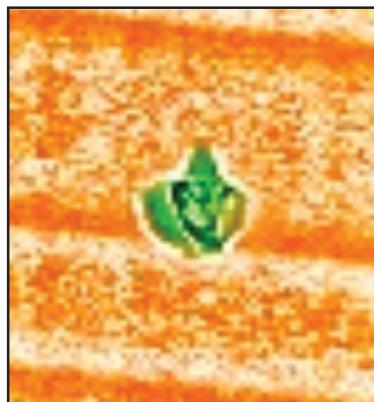
6. **Identifying Features:**
  - A. **Scanned Image:** Light green in colour.
  - B. **Real Image/Product.** Solid shell, brownish grey with irregularly placed red-dish brown blotches, compressed spire above body whorl, long siphonal canal.
7. **Remarks:** Traded as decorative sea-shells.
8. **Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act, 1972. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Sibbald's Conch/Pigeon Conch

1. **Common Name:** Sibbald's Conch/Pigeon Conch
2. **Scientific Name:** *Strombus plicatus sibbaldi*
3. **Items in trade:** Whole shell.
4. **Real Image**



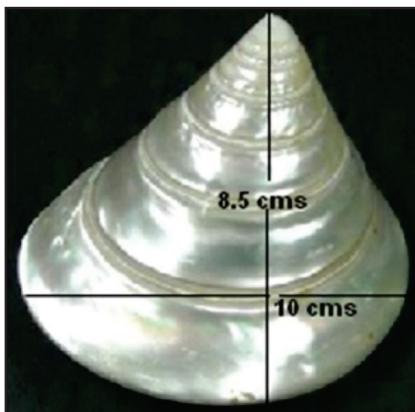
5. **Scanned Image.**



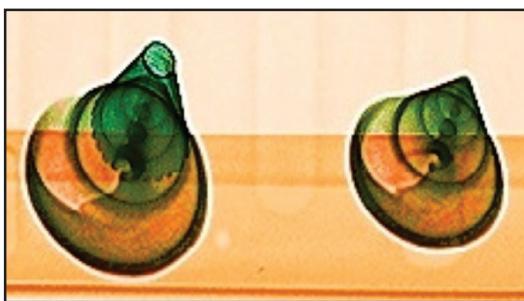
6. **Identifying Features:**
  - A. **Scanned Image:** Light green in colour.
  - B. **Real Image/Product.** Shell white, semi glossy, very small shell upto 50mm in length, winged.
7. **Remarks:** Different handicrafts are made from these shells, maximum use is for key-rings. Sometimes used to make porcelains.
8. **Legal Status:** Listed in Schedule IV of the Wildlife (Protection) Act, 1972. Export/ Import is prohibited as per the provisions of the EXIM Policy.

## Commercial Trochas / Top shell.

1. **Common Name:** Commercial Trochas / Top shell
2. **Scientific Name:** *Trochus niloticus*
3. **Items in trade:** Whole shell, jewellery, handicrafts etc.
4. **Real Image.**



5. **Scanned Image.**



6. **Identifying Features:**

- A. **Scanned Image:** Green colour. Pyramid like shape with concentric & three dimensional rings.
- B. **Real Image/Product.** Solid, heavy, large, conical shell upto 150 mm in length. Body whorls widely flattened, more wide than long. Shell almost swollen at the base. Base flat, excavated in the middle. Thin horny operculum Concentric sculpture fine and wavy.

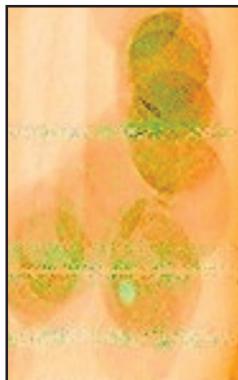
7. **Remarks:** Used as decorative item as whole shell, Handicrafts, Jewellery etc.
8. **Legal Status:** Listed in Schedule IV of the Wildlife (Protection) Act, 1972. Export/ Import is prohibited as per the provisions of the EXIM Policy.

## Capiz Shell

1. **Common Name:** Capiz Shell
2. **Scientific Name:** *Placuna placenta* / *Placenta placenta*
3. **Items in trade:** Whole shell, Handicrafts.
4. **Real Image**



5. **Scanned Image.**



6. **Identifying Features:**

- A. **Scanned Image:** Light Bluish green color. Irregularly rounded often thin and translucent.
- B. **Real Image/Product.** Irregularly rounded often thin and translucent, smooth or sculptured. Sub-circular, flat fragile, very compressed shell up to 180 mm diameter. Surface smooth, glossy, displaying a brilliant pearly iridescence.

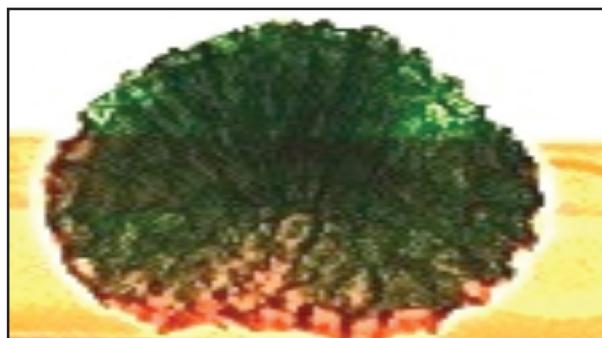
7. **Remarks:** Used as decorative item as whole shell, Handicrafts, Jewellery, lamps, chandelier etc.
8. **Legal Status:** Listed in Schedule IV of the Wildlife (Protection) Act, 1972. Export/ Import is prohibited as per the provisions of the EXIM Policy.

## Scleractinian Coral

1. **Common Name:** Scleractinian Coral
2. **Scientific Name:** *Siderastrea sp.*
3. **Items in trade:** Whole Coral
4. **Real Image**



5. **Scanned Image.**



6. **Identifying Features:**

**A. Scanned Image:** Deep Green Colour.

**B. Real Image/Product.** White coloured. Colonies are encrusting to boulder shaped. Corallites are rounded or polygonal. Walls are composed of network of septa with cross linkages.

7. **Remarks:** Used in Praval Bhasma as a calcium supplement & as decorative items.
8. **Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act, 1972 and Appendix II to the CITES. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Scleractinian Coral Acropora

1. **Common Name:** Small Polyp Stony Coral
2. **Scientific Name:** *Acropora sp.*
3. **Items in trade:** Whole Coral, handicrafts.
4. **Real Image**



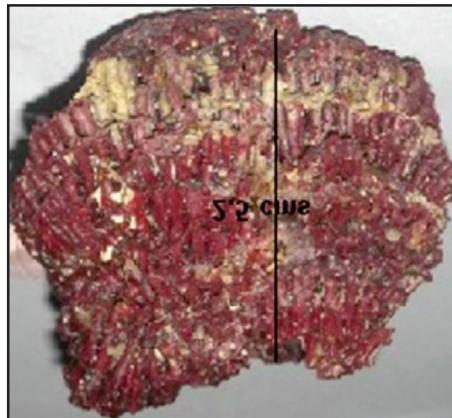
5. **Scanned Image.**



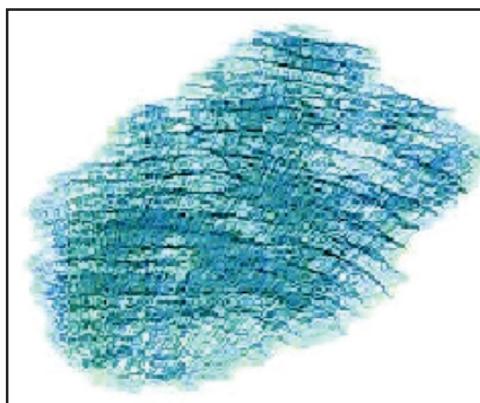
6. **Identifying Features:**
  - A. **Scanned Image:** Deep green in colour.
  - B. **Real Image/Product.** White coloured. Colonies are composed of large, tapered, prostate branches.
7. **Remarks:** Used as decorative items as well as in Praval Bhasma.
8. **Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act, 1972 and Appendix II to the CITES. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Organ Pipe Coral.

1. **Common Name:** Organ Pipe Coral
2. **Scientific Name:** *Tubipora musica*
3. **Items in trade:** Whole Coral
4. **Real Image.**



5. **Scanned Image**



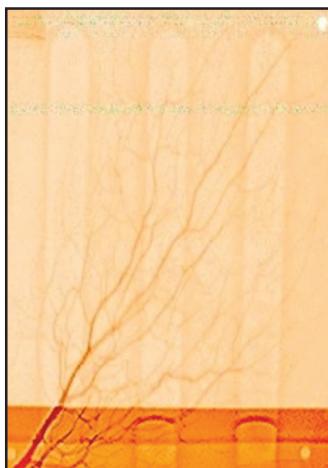
6. **Identifying Features:**
  - A. **Scanned Image:** Blue/green color. Reticulate pattern of tubes clearly visible.
  - B. **Real Image/Product.** Bright Red color. Dried coral has a pattern of tubes like an organ pipe trumpet hence the name organ pipe coral.
7. **Remarks:** Used as medicine & decorative item.
8. **Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act, 1972 and Appendix II to the CITES. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Antipatharia (Black Coral)

1. **Common Name:** Black Coral.
2. **Scientific Name:** *Antipatharia*.
3. **Items in trade:** Whole Coral.
4. **Real Image**



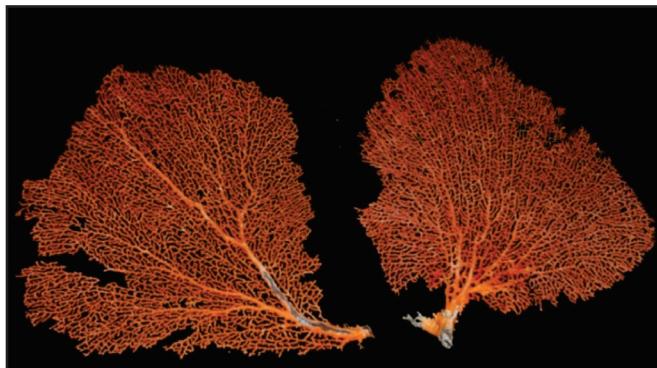
5. **Scanned Image.**



6. **Identifying Features:**
  - A. **Scanned Image:** Blackish orange in colour.
  - B. **Real Image/Product.** Deep water tree like corals. Skeleton distinctive black or dark brown in colour.
7. **Remarks:** Used to make coral handicrafts.
8. **Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act, 1972 and Appendix II to the CITES. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Sea Fan (*Gorgonea*)

1. **Common Name:** Sea Fan.
2. **Scientific Name:** *Gorgonea*.
3. **Items in trade:** Whole Coral.
4. **Real Image**



5. **Scanned Image.**



6. **Identifying Features:**
  - A. **Scanned Image:** Blackish orange in colour.
  - B. **Real Image/Product.** Orange coloured tree like structure.
7. **Remarks:** Used to make coral handicrafts.
8. **Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act, 1972. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Sea Cucumber.

1. **Common Name:** Sea Cucumber.
2. **Scientific Name:** *Holothuria*.
3. **Items in trade:** Whole dried animal.
4. **Real Image.**



5. **Scanned Image.**



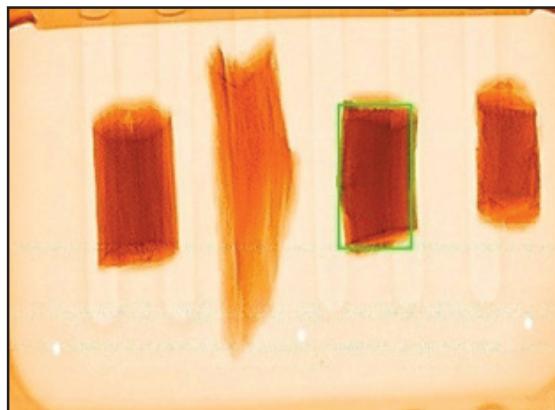
6. **Identifying Features:**
  - A. **Scanned Image:** Orange color. Animal internal structure (inner linings) clearly visible in the image.
  - B. **Real Image/Product.** Black Dark Brown color. Average size: 10 to 30 cms; body ranges from spherical to worm like. Shape like dried banana.
7. **Remarks:** Used as a food item in Chinese/Japanese food preparations.
8. **Legal Status:** Listed in Schedule I of the Wildlife (Protection) Act, 1972. Export/Import is prohibited as per the provisions of the EXIM Policy.

## Red Sanders

1. **Common Name:** Red Sanders.
2. **Scientific Name:** *Pterocarpus santalinus*.
3. **Items in trade:** Wood logs, wood piece, handicrafts, furniture, musical instrument.
4. **Real Image**



5. **Scanned Image.**



6. **Identifying Features:**
  - A. **Scanned Image:** Orangish red in colour.
  - B. **Real Image/Product.** Deep red coloured wood.
7. **Remarks:** One of the rare pieces of Indian timber found only in three districts of Andhra Pradesh.
8. **Legal Status:** Listed in Appendix II to the CITES. Export/Import is prohibited/restricted as per the provisions of the EXIM Policy.