

FLOOD RESCUE TECHNIQUES AND IMPROVISED FLOATING AIDS

LEC BY

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DEFINITION OF FLOOD

- A flood is too much water in the wrong place, whether it be an inundated city or a single street or a field flooded due to a blocked drain.
- Flooding is generally defined as any abnormally high stream flow that overtops the natural or artificial banks of a stream.
- An overflow or inundation that comes from a river or other body of water and causes or threatens damage.

TYPES OF FLOOD

1. FLASH FLOODS - the result of heavy or excessive amounts of rainfall within a short period of time, usually less than 6 hours, causing water to rise and fall quite rapidly.
2. RIVERINE FLOODS - are caused by precipitation over large areas or by melting of the winter's accumulation of snow, or by both.
3. In most cases the most devastating flooding from rainfall is that associated with tropical cyclones.
4. Coastal salt water flooding - is usually caused by a combination of circumstances that may include astronomical tides, storm surges, or tsunamis.

TYPES OF IMPROVISED RAFTS

- Matka rafts
- Coat rafts
- Drum rafts
- Bamboo rafts
- Water bottle rafts
- Tube rafts
- Tharmocal rafts
- Banana rafts

EXHIBITION ON DISASTER MANAGEMENT
ORGANISED BY : 128 NATIONAL DISASTER RESPONSE
FORCE, BSF, GUWAHATI

LEADERS MUST NEVER SHED THE GLOVE
OF HONOUR, MORALITY & DIGNITY

ON THE
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POT WING



JUNGLE STEM
A Ten feet long stem can be used as a good floating aid.
DRIED COCONUTS
They are used to learn swimming by people in the coastal area. Two well grown coconut can take one's load; But at times may not be available. So we say a minimum of 6 take a man's load.

DRY COCONUT BELT



SYLLABUS
OF
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WATER BOTTLES



CANTEENS



BUNCH OF BAMBOOS

BAMBOO

There are two types of bamboo:

- 1) Male bamboo
- 2) Female bamboo

1. Female bamboos are available all over, but not male bamboo.

2. Hence, we will only limit to female bamboos.

3. If a bamboo has to be used as a pole, its length should not be less than 12 ft. and the maximum diameter should be less than 3 inches.



...र को सुरक्षित लाने-जानने का ध्यान रखें
 बोट हुक, नाव से पानी निकालने के लिए डिब्बा, एंकर,
 ट, लाईव लाईन एवं इमेरेंसी टिंकर आउटफिट

...ले।
 ...म पानी या हो इतकर ध्यान रखें।
 ...ो में बूटी बंध है।
 ...र वाजी बैठाया जाए इसी प्रकार वाजी को तब

...त से 9 इंच निचे है।
 ...ीय स्थान पर खुलने पर बन्द करे।

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फसे लोगो को बचाना तथा सुरक्षित स्थान पर पहुंचाना है
 इसलिए जरूरी है कि पानी में प्रवेश के पहले हम नदी के
 नियम एवं सुरक्षा सम्बन्धि जानकारी रखते हो।

सामग्री :-
 नाव, पैडल, लाईफ जैकेट, लाईफ बॉय, लाईफ बेल्ट, लाईफ
 लाईन, फ्लोटिंग बॉक्स, एंकर सेट, बोट हुक इत्यादि।

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परिचय
 जब किसी भी बचाव कार्य के लिए नदी में जाने है
 तो जरूरी नहीं है कि उसे पहले ही तैयार किए हुए
 सामान जमाकर बहाव करवें। एंकरिंग का उचित
 तरीके से ब्रास बलुआ इत्यादि का उपयोग करके नदी में तैयार
 कर आसानी पूर्वक प्रयाप्त लोगो को बचाव
 कार्य को आसानी से कर सकते है।

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भिक्षित वस्तुओं को सुरक्षित रखने के लिए
 क्या कर प्रयाप्त लोगो को बचाव
 कार्य को आसानी से कर सकते है।

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...को बचाव
 कार्य को आसानी से कर सकते है।

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...को बचाव
 कार्य को आसानी से कर सकते है।

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CATED PLASTER PARAFFIN GAUZE

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FIRE!

DO AND DONT'S

Throughout the House
 •DON'T install a smoke detector on every floor.
 •DON'T plug your escape routes in case fire does strike.

Bedroom
 •DON'T smoke in bed.
 •DON'T place heaters within three feet of flammable materials.
 •DON'T use heaters to dry clothes.
 •DON'T use extension cords with portable heaters.
 •DON'T leave heaters unattended or go to sleep while they are on.
 •DON'T smelt heaters after you turn them off.

Living Family Rooms
 •DON'T use candles or incense in hallways.
 •DON'T use charcoal stoves or fire pits, or use gas or oil space heaters.
 •DON'T use extension cords to power Christmas lights.
 •DON'T use electrical cords to make an extension cord for the television.

Kitchen
 •DON'T cook wearing sleeves that can dangle near the burner.
 •DON'T use your oven to heat your home.
 •DON'T let grease build up on your stove.
 •DON'T let candles burn up to their bases.
 •DON'T overload electrical outlets with appliances.
 •DON'T let curtains hang near your range.
 •DON'T check the kitchen before bed. Overkill!

- Keep flammables away from ignition sources
- Utilize flammable storage cabinets
- Do not block fire extinguishers with equipment
- Utilize those with electrical expertise/installations/assistance
- Do not overload outlets - use a track plug
- Practice good housekeeping techniques in the lab/office/work area
- Inspect wires for possible damage and replace as needed

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WHAT ARE CYCLONES?

1. Cyclones are giant whirlwinds of air and dense cloud spiraling at over 120 km/hr around a central 'eye' of extreme low pressure.
2. When a tropical depression develops and its associated winds reach gale force, it will be classified as a tropical cyclone and will be given a name.
3. The 'life-cycle' of the average tropical cyclone is about seven days, but can extend to over three weeks.

Cyclones are named variously in various regions :

- A tropical cyclone is the general term for violent circular winds with torrential rains that originate in the tropics.
- Hurricanes is the term when they occur in the Atlantic Ocean.
- They are called typhoons in the Pacific Ocean.
- They are called cyclones in the Indian Ocean.

Prevention taken before a cyclone hits

- You can take some basic precautions that may save the lives of your family.
- 1. Check that your home is in a sound condition, especially the roof and walls.
 - 2. Trim any tree branches hanging over your roof.
 - 3. Clear your property of any loose items that could become missiles during a storm.
 - 4. Clear your property of any loose items that could become missiles during a storm.
 - 5. Know your community disaster plan, check with your local council.
- Prepare an emergency kit containing:**
1. A portable radio, torch and spare batteries
 2. Stocks of fresh water and canned food
 3. Matches, fuel lamp, portable stove, cooking gear, utensils, can opener
 4. A first aid kit, manual and making tape for windows
- Remember to get an emergency shelter ready, including umbrellas for your head, shoes, rain gear, blankets, food and water, and a first aid kit. Also, have a plan for your family's safety. Check that you have adequate knowledge of the local weather and that you have a plan for your family's safety. Check that you have adequate knowledge of the local weather and that you have a plan for your family's safety.





Winn-Locally-Australian-Museum
Rescue Equipment

Rescue Equipment
Winn-Locally-Australian-Museum



When you raise
your head rather than
your hands

QUESTION





सत्यमेव जयते

9वीं वाहिनी राष्ट्रीय आपदा मोचन बल बिहटा (पटना)



THANK