Common Mosquito Breeding Places: Construction Sites

Section B
Construction Area
Puddles On Ground And Concrete Floor At All Levels

**Causes of mosquito breeding**
- Water stagnation on uneven ground and concrete floor

**Preventive/remedial measures**
- Clear stagnant water regularly
- Apply anti-mosquito oil to stagnant water regularly, and re-apply after heavy rain

Building Materials - Zinc Sheets, Form Work, Steel Bars, Metal Beams, Pipings, Uninstalled Toilets, Etc Including Canvas Sheets

**Causes of mosquito breeding**
- Water stagnation on
  a) materials
  b) ground below materials
  c) canvas sheets covering materials

**Preventive/remedial measures**
- Store building materials under shelter
- Avoid using canvas to cover materials

Demolition Debris

**Causes of mosquito breeding**
- Water stagnation on
  a) debris
  b) ground below piled-up debris

**Preventive/remedial measures**
- Dispose of demolished debris regularly
Equipment And Machineries, Including Excavators, Etc

Causes of mosquito breeding
- Collection of water in equipment and machinery parts

Preventive/remedial measures
- Apply anti-mosquito oil regularly to parts that may collect water and re-apply after heavy rain

Water Storage/ Filtration/ Sedimentation Tanks, Drums, Containers

Causes of mosquito breeding
- Collection of water in storage tanks, drums and containers, including water stagnation on covers of the items

Preventive/remedial measures
- Cover tanks, drums and containers properly and store them under shelter
- Cover all tank outlets with anti-mosquito netting and replace all damaged nettings

Barriers

Causes of mosquito breeding
- Collection of rainwater at bottom of barriers due to
  a) missing covers
  b) gaps and cracks

Preventive/remedial measures
- Cover and seal the barriers properly
- Replace damaged barriers
Trenches

**Causes of mosquito breeding**
- Collection of rainwater in trenches

**Preventive/remedial measures**
- Pump out water from trenches periodically
- Apply anti-mosquito oil to stagnant water regularly, and re-apply after heavy rain

Bulk Waste Containers, Skips & Refuse Bins

**Causes of mosquito breeding**
- Collection of rainwater in containers, tanks and bins, and on the ground below containers and tanks

**Preventive/remedial measures**
- Clear containers, tanks and bins regularly
- Apply anti-mosquito oil to the ground below containers and tanks regularly, and re-apply after heavy rain

Sump Pits/ Silt Traps

**Causes of mosquito breeding**
- Accumulation of water in pits and traps

**Preventive/remedial measures**
- De-silt pits and traps regularly
- Apply anti-mosquito oil to stagnant water regularly, and re-apply after heavy rain
Drains/Temporary Channels Constructed for Drainage

**Causes of mosquito breeding**
- Water stagnation in drains and channels due to:
  a) Blockages
  b) Poor gradient

**Preventive/remedial measures**
- Carry out regular cleaning to prevent blockages
- Re-grade uneven drains and channels

Vehicle Wash Bays

**Causes of mosquito breeding**
- Stagnation of water in wash bays when not in use

**Preventive/remedial measures**
- Apply anti-mosquito oil to stagnant water regularly, and re-apply after heavy rain

Lift Wells

**Causes of mosquito breeding**
- Collection of rainwater in lift wells

**Preventive/remedial measures**
- Apply anti-mosquito oil to stagnant water regularly, and re-apply after heavy rain

Planter Boxes

**Causes of mosquito breeding**
- Collection of rainwater in partially completed planter boxes

**Preventive/remedial measures**
- Apply anti-mosquito oil to stagnant water regularly, and re-apply after heavy rain
Discarded Items & Receptacles

Causes of mosquito breeding
- Water stagnation in discarded receptacles

Preventive/remedial measures
- Carry out regular clearing and disposal of unwanted articles

Storage Yard

Freight Containers

Container And Canvas Roof, Including Secondary Roof

Causes of mosquito breeding
- Water stagnation on and below roofing

Preventive/remedial measures
- Avoid using canvas roof and secondary roofing

Puddles On Ground And Concrete Floors

For details, refer to page 60: Construction Area – Puddles On Ground And Concrete Floor Of All Levels
Ground Below Containers

Causes of mosquito breeding
• Water stagnation on ground below containers

Preventive/remedial measures
• Apply anti-mosquito oil to ground below containers regularly, and re-apply after heavy rain

Building Materials - Zinc Sheets, Form Work, Steel Bars, Metal Beams, Pipings, Uninstalled Toilets, Etc Including Canvas sheets

For details, refer to page 60: Construction Area - Building Materials

Equipment and Machineries

For details, refer to page 61: Construction Area - Equipment And Machineries
Concrete Test Cube Tanks

**Causes of mosquito breeding**
- Water stagnation in concrete test cube tanks

**Preventive/remedial measures**
- Apply BTI briquettes periodically

Tool Boxes

**Causes of mosquito breeding**
- Collection of rainwater in metal and wooden tool boxes

**Preventive/remedial measures**
- Empty all water in tool boxes
- Store tool boxes under shelter, away from rain

Paint Cans

**Causes of mosquito breeding**
- Water stagnation in paint cans, including collection of rainwater on lid of cans

**Preventive/remedial measures**
- Store paint cans under shelter, away from rain

Discarded Items & Receptacles

For details, refer to page 64: Construction Area – Discarded Items & Receptacles
Container Office
Freight Containers

For details, refer to page 64: Storage Yard – Freight Containers

Air-Conditioner Drip Trays

Causes of mosquito breeding
- Collection of condensate in aircon drip trays

Preventive/remedial measures
- Remove aircon drip trays

Any Other Water Bearing Receptacles

For details, refer to page 64: Construction Area – Discarded Items & Receptacles
Living Quarters

Freight Containers

For details, refer to page 64: Storage Yard – Freight Containers

Plastic Containers / Cooking Pots & Pans / Domestic Containers

Causes of mosquito breeding

- Water stagnation in plastic containers, cooking pots and pans and other domestic containers

Preventive/remedial measures

- Remove containers where possible
- Empty all water in containers and receptacles

Discarded Items & Receptacles

For details, refer to page 64: Construction Area – Discarded Items & Receptacles
Toilet & Bathroom

Concrete Floor

Causes of mosquito breeding
• Water stagnation on uneven floor

Preventive/remedial measures
• Re-grade uneven floor

Pails (Including Rim Of Overturned Pails)/ Plastic Containers

Causes of mosquito breeding
• Water stagnation in pails and containers, including rim of overturned pails

Preventive/remedial measures
• Empty all water in pails and containers

Toilet Cisterns & Unused Toilet Bowls

Causes of mosquito breeding
• Stagnation of water in both cisterns and toilet bowls

Preventive/remedial measures
• Drain out all water in unused cisterns
• Cover and seal unused toilet bowls
• Seal off overflow outlets of cisterns

Bathing Point Concrete Tanks

Causes of mosquito breeding
• Water in bathing point concrete tanks

Preventive/remedial measures
• Drain out tanks regularly and scrub the inside of tanks
Drainholes Of Unused Sinks

- Causes of mosquito breeding
  - Water stagnation in drainholes of unused sinks
- Preventive/remedial measures
  - Cover and seal unused sinks

Gully/ Floor Traps

- Causes of mosquito breeding
  - Water stagnation in gully/ floor traps
- Preventive/remedial measures
  - Install anti-mosquito valve into traps
  - Seal up traps that are no longer in use

Cooking & Washing Area

Cooking Pots & Pans/ Domestic Containers

- Causes of mosquito breeding
  - Water stagnation in cooking pots and pans and other domestic containers
- Preventive/remedial measures
  - Empty all water in containers regularly

Discarded Items & Receptacles

For details, refer to page 64: Construction Area – Discarded Items & Receptacles