

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-110029
(ENGINEERING SERVICES DEPARTMENT)

F.No.Engg/SE/DPORC/2017

Dated: 28.7.2018

CIRCULAR

Sub: Precautions and actions to be taken for prevention of vector-borne Diseases at AIIMS – Reminder

In view of the threat of outbreak of any vector-borne diseases, it is imperative that precautionary measures are taken by one and all to prevent existence of favorable conditions for breeding and survival of mosquitoes in the campuses. The precautions to be taken by the Engineering Services Deptt. are broadly as detailed below:

I. Points pertaining to Civil:

1. **Covering of O.H. Tanks** - All the covers of O.H. tanks of the houses may be got checked and replacements be provided immediately on detection of missing covers or on complaint basis. The onus for reporting the missing covers of individual houses shall lie on the occupant/allottee of the houses, however, to ensure that any omission or negligence on their part does not translate into mosquito menace, this routine check may be done for all the houses to the extent and effort possible.

(Action: J.E.(Civil)/A.E.(Civil) & E.E.(Civil))

All O.H. tanks of all the institutional buildings, hostels, Community Centres, Guest Houses, Office Block etc. are **to be covered with tamper-proof covers** to ensure that the same are not fiddled to by the monkeys. The over flow pipes of each tank should be covered with mosquito proof jail/cloth.

(Action: J.E.(Civil)/A.E.(Civil) & E.E.(Civil)

2. **No water stagnation** should be allowed long enough to enable breeding of mosquitos larva. All such vulnerable spots should be filled up/leveled and source of spillage of water may be checked and rectified and if need, the same may be channalised to the nearest draining point.

(Action: J.E.(Civil)/A.E.(Civil) & E.E.(Civil)

3. **Removal of malba & junk materials:** It may be ensured that there are no empty containers, flower pots, unused broken tanks, earthen pots etc. in any common facility area and obscure points in the campus/building which may hold water and become likely breeding place for the mosquitos. Regular rounds be taken to detect such pots/utensils and ensure removal of the same simultaneously.

(Action: J.E.(Civil)/A.E.(Civil)/ & E.E.(Civil)

4. **Storage of Water at Construction site:** At the places of construction site where storage of water is regularly required either in big drums or in dug up pits, there are chances of mosquito breeding. It may be ensured that such stored water are regularly treated with anti-larval spray or kerosene oil should be put in the said stagnant pools regularly.

(Action: J.E.(Civil)/A.E.(Civil)/&E.E.(Civil)

5. **Defective Sluice Valves of Tube Wells:** There are number of tube wells at various locations in the campuses which are pumping water almost continuously to various U.G. tanks. It has been observed that there are continuous dripping from the sluice valves of some tube wells which leads to stagnant water pool adjacent to the tube wells. Such defective sluice valves should be repaired urgently and immediately to negate the possibility of such stagnant water. (Action: J.E.(Civil)/A.E.(Civil)/&E.E.(Civil)

6. **Inspection of ferule chambers:** All the ferule chambers of water connection may be inspected to detect any potential leakage as the ferule chamber holds water and may be likely breeding place for mosquitoes. (Action: J.E.(Civil)/A.E.(Civil)/&E.E.(Civil)

7. **Storm Water Drains:** All storm water drains/road gullies may be checked to ensure that there is no stagnant water in the same. The same should be got cleaned and in the intervening period kerosene oil may be put on the stagnant water to ensure that there is no mosquito breeding. (Action: J.E.(Civil)/A.E.(Civil)/&E.E.(Civil)

II. Points pertaining to Elect. Division

1. **Leakage of water from pump Shafts:** There are various pumps installed at different locations in all the campuses/building/pumping stations. There are instances of dripping of water from the shafts of the pumps during process of pumping which results in continuous flow of water which gets accumulated in the pumping place itself or a point adjacent to the pumping place and makes a potential breeding place for mosquitoes. Immediate action may be taken to rectify and repair all such leaking pumps and the spillage of water if any should be got cleaned on daily basis. (Action: J.E.(Elect.)/A.E.(Elect.) &E.E.(Elect.)

2. **Cable Trenches:** At some Sub-stations/locations there are cable trenches in which cables are running and same are susceptible to flooding of water by back flow or by spillage. To avoid such potential pools of stagnant water such open trenches may be got filled with Jamuna Sand and/or water should be got cleared regularly. (Action: J.E.(Elect)/A.E.(Elect)&E.E.(Elect.)

III. Points Pertaining to Airconditioning Division:

1. **Cleaning of Desert Coolers:** The Desert Coolers fixed in various institutional/office complexes are the most potential breeding point for mosquitos. It may be ensured that all such desert coolers are cleaned fortnightly and if the same is not possible, the water may be treated by adding anti-larval chemicals such as Chemiphos or kerosene oil (2 spoons) may be put in each cooler. (Action: J.E. A/C &R, A.E.(A/C &R), E.E.(A/C).

2. **Water stagnation below the Cooling Towers:** All the Cooling Towers are the susceptible points for spillage of water which results in stagnant water pools below the towers thus providing potential breeding place. All over flow check walls in the Cooling Towers may be ensured to be in working condition with proper level adjustments to avoid over flow of the same. It may further be ensured that there is no spillage of water in the cooling process of circulating water which often leads to spillage of water. Regular checks may be made and stagnant water, if any, below and around the cooling towers

should be mopped and cleared on daily basis. Also it may be ensured that the Sanitation Workers carry out proper anti-larval spray in and around all Cooling Towers.


Action: JE A/C &R/A.E.A/C &R & E.E.(A/C&R)

3. **Water stagnation at AHUs:** The AHUs of the A/C system are often found with pools of stagnant waters due to condensation and due to periodic washing/cleaning of the AHUs etc. As the ambient conditions of the AHUs are favourable for breeding of the mosquitos, such stagnant water pools are not desirable. Regular moping/cleaning of AHUs may be ensured to prevent such stagnant water pools.

(Action: JE A/C &R/A.E.A/C &R & E.E.(A/C&R)

The above precautions are to be observed as per the above delegated responsibilities & for taking further necessary action.

Compliance shall be ensured.


(M. Rastogi)
Superintending Engineer

Distribution:


1. EE (Civil)-I & all AEs/JEs of Civil Division-I
2. EE(Civil)-II & all AEs/JEs of Civil Division-II
3. E.E.(Civil)-III & all AEs/JEs of Civil Division-II
4. EE(Elect.)-I & all AEs/JEs of Elect. Division-I
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6. EE(A/C&R) & all AEs/JEs of Air conditioning Division

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✓ cc: Prof. in-charge
Computers Facility

- with the request to upload the
circular on Allms website please.


30/07/18

Sh. Parveen Kumar for n.a. please
Ama plg