Tubelight And Tester Glow Under 400 kv hv powerline DUE TO EMF
World Cancer Report 2014

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International Agency for Research on Cancer
World Health Organization

Cancer risk

Studies have been conducted in residential settings by investigating cancer risk in relation to the nearest overhead high-voltage power lines and the residing magnetic fields, as well as in occupational settings that involve electrical work. Epidemiological studies have consistently recorded a positive association of extremely low-frequency magnetic fields with childhood leukemias, with an increased risk of 1.2-1.5 for higher 24-hour exposure levels according to several studies [2, 8-10]. Moreover, a causal relationship has been established between electromagnetic fields and the occurrence of certain types of cancer, including bladder, prostate, and breast cancers, with an increased risk of 1.1-1.5 for higher exposure levels. Some studies have suggested a relationship between electromagnetic fields and the risk of brain cancer, although the evidence is not conclusive. Overall, the association between electromagnetic fields and cancer risk remains an area of active research and requires further investigation.

Radiofrequency electromagnetic fields have been classified as possibly carcinogenic to humans (Group 2B) by the International Agency for Research on Cancer (IARC). Radiofrequency fields are emitted by mobile phones, wireless communication devices, and other electronic equipment. The effects of long-term exposure to these fields on human health are not fully understood, and further research is needed to establish a definitive link between radiofrequency fields and cancer risk.

and broadcasting. Normal residential background exposure to extremely low-frequency magnetic fields is usually below 0.1 μT. A small fraction of households located very close to high-voltage power lines or other sources can have appreciably higher background exposures. Higher but short-term exposures occur when electrical devices are used and may also be experienced in particular categories of work, such as by electricians and electrical engineers. For most people, the highest exposure to radiofrequency electromagnetic fields occurs when using mobile (cell) phones because the source of emission is held close to the head. Much lower levels of exposure arise from transmitters, but field strength may exceed 1 V/m even at points several kilometres from high-output television or radio broadcast transmitters. The number of sources continues to increase with further use of the whole electromagnetic frequency spectrum.

### Cancer risk

Studies have been conducted in residential settings by investigating cancer risk in relation to the nearest overhead high-voltage power lines and the resulting magnetic fields, as well as in occupational settings that involve electrical work. Epidemiological studies have consistently recorded a positive association of extremely low-frequency magnetic fields with childhood leukaemia, with an apparently 2-fold higher risk at average 24-hour exposure levels exceeding 0.3–0.4 μT (Fig. 2.8.5) [22–25]. However, a causal relationship has not been established due to the potential for bias and confounding in the observational studies and because supporting evidence from experimental studies and mechanistic data are lacking [26]. If a causal association did exist, it is estimated that <1–4% of childhood leukaemia cases could be attributable to exposure to extremely low-frequency magnetic fields [27]. The 2001 IARC Monograph on extremely low-frequency magnetic fields classified them as possibly carcinogenic to humans (Group 2B); the evidence for other types of malignancy was evaluated to be inadequate. Other reviews came to similar conclusions later [22,28]. Recent studies have not shown an effect of exposure to extremely low-frequency magnetic fields on survival after childhood leukaemia [29].

In the 2001 IARC Monograph evaluation, extremely low-frequency electric fields and static electric and magnetic fields were considered not classifiable as to their carcinogenicity to humans (Group 3). Since 2001, there have been few studies relevant to these evaluations and none suggest a basis for re-evaluation, as recently reflected by an expert panel of the European Commission [28].

Radiofrequency electromagnetic fields have been classified as possibly carcinogenic to humans (Group 2B) (see “An IARC announcement that made waves”) (Fig. 2.8.6). Case–control studies on mobile phone use and cancer have reported increased risks of glioma and acoustic neuroma in heavy users of mobile phones [30]. A large Danish nationwide cohort study of mobile phone subscribers did not reveal any association with brain tumour risk. Such an increased risk was suggested from a series of interrelated case–control studies in 13 countries, Interphone, in which a 40% increased risk for glioma and also for acoustic neuroma was observed, restricted to the 10% of people who were the heaviest users of mobile phones. Several factors, including inaccuracy and evidence of bias in self-reported use, prevented causality being established by these studies [31]. Time trends in glioma incidence based on Nordic countries and the USA exclude any large increase in incidence attributable to mobile phone use, albeit with reference to a relatively short time from initiation of exposure. No association was observed between mobile phone use and other cancers. Several studies on occupational...
Electromagnetic Field Testing
(32.2 mG = 3.22 μT)

EMF Exposure level Above 0.4 μT will affect Human Health and Causes Childhood Leukemia, Brain Tumors, etc.
-World Health Organization

Magnetic Field Meter

20-Dec-2018 5:23:04 PM
11°6'37.72055"N 77°12'6.19876"E
Kannimar Kovil Road
Elachipalayam, Coimbatore 641659
India
Udumalpet to Arasur 400 KV HV Powerline
DISTRESS CALL

‘EMR emission by tower line alarmingly high’

EXPRESS NEWS SERVICE
@ Coimbatore

THE farmers protesting against the installation of High Voltage Direct Current (HVDC) transmission tower lines in their agricultural lands say emission of electromagnetic radiation (EMR) has exceeded the normal level of 2 mG.

Slamming the Power Grid Corporation of India for its contention that the radiation level is within permissible limit and does not pose a risk of harm, the farmers have released a video clip wherein EMR level right under an electric tower line in the district is shown at a high of 28.8 mG.

“According to cancer research studies, EMR above 2 mG is harmful for living things especially human beings that it can cause cancer.

This being the case, a random sample reading taken by us using an electromagnetic field tester under a HVDC tower line, that goes to Arasur sub-station, at Elachipalayam in the outskirts of the city showed it to be 28.8 mG,” said S Sathishkumar, a member of Airmuna Young Farmers’ Movement.

He said the high level of radiation emission from the tower line would definitely affect human beings and animals over a period of time though not immediately, but the officials have been maintaining that there is no EMR emission.

The movement has planned to take legal recourse against the HVDC project using the evidence and the members said they would not allow its installation anywhere in the farm lands in the region. Meanwhile, officials have been maintaining that there is no EMR emission.

The electromagnetic field tester indicating 28.8 mG of radiation under the tower line at Elachipalayam in Coimbatore.

EXPRESS

Plans for legal step

Airmuna Young Farmers’ Movement has planned to take legal recourse against the HVDC project using the evidence and the members said they would not allow its installation anywhere in the farm lands in the region. Meanwhile, officials have been maintaining that there is no EMR emission.

When contacted, a senior official from the electricity board said, “The EMR emission is taken as one of important factors for living things. However, we need to check the veracity of their claims. As regards the calibration, there are some procedural norms before conducting the test and they have to be considered.”
EFFECT OF ELECTROMAGNETIC FIELD ON SOME SELECTED CROP PLANTS

A thesis submitted to MADURAI KAMARAJ UNIVERSITY for the Degree of Doctor of Philosophy

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Plate 8. A photograph showing the effect of EMF from 230 KV and 110 KV power lines on Vigna unguiculata.
சுருக்கத்து அறிக்க
பார்மாதீ பீடா முதலிய விளக்கம் பாதுகாக்கும்

அம்பாடு, மார்ச் 23:
சுருக்கத்து அறிக்கையால் 2008 ஆம் ஆண்டு பார்மாதீ பீடா முதலிய விளக்கமானது பாதுகாக்கப்படும் விளக்கமாகவும் புறப்படும் விளக்கமாகவும் உள்ளது.புறான் காலனில் அரசு அறிக்கையால் 2008 ஆம் ஆண்டு பார்மாதீ பீடா முதலிய விளக்கமானது பாதுகாக்கப்படும் விளக்கமாகவும் புறப்படும் விளக்கமாகவும் உள்ளது.அம்பாடு விளக்கத்தின் ஆர்வத்தை வேளாளர்கள் பார்மாதீ பீடா முதலிய விளக்கமானது பாதுகாக்கப்படும் விளக்கமாகவும் புறப்படும் விளக்கமாகவும் உள்ளது.
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