Geopathic Stress Aspect for Sustainable Development of Built Environment

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Abstract- Energy from subsurface of earth at specific location that has ability to change the normal functioning of human system is called as Geopathic Stress. Suitability of the site in ancient times is carried out by different tests (Bhumi Pariksha), architectures and civil engineers were very particular in selecting the site for dwelling but in recent past geopathic stress is rarely considered spatial planning. Recent studies have shown that it is one of the causes for inception of disease. Places on road affected by this stress are prone to accidents.

This paper highlights about the significance and need of considering Geopathic stress as one of the parameter for spatial planning. Research shows that the Geopathic stress from nadir direction changes the reaction time of the driver which in turn leads to road accidents. Thus, by considering the aspect of Geopathic stress for planning, a safe and sustainable development of infrastructure will of benefit to the mankind.

Index Terms- Energy, Geopathic stress, Sustainable Development.

I. INTRODUCTION

In the present scenario, while natural environment with varying climate is not suitable for the life style of human beings; the insects, birds and animals live by making adjustments with the climate. Man is always trying suitable transformation in the natural surroundings. This transformed environment is known as "Built Environment". Built Environment constitutes houses, roads, footpaths, shops etc. A Built Environment is planned not only to shelter the people but also to provide space for various activities like agriculture activities, industries, educational institutes etc. In ancient times, people were aware of "geopathic stress" associated with specific areas and were very particular in selecting location for civilizations and sites for construction of any structure and dwelling. Energies from the earth at certain locations that have ability to disturb normal functions of human body systems are termed as geopathic stress. Geopathic stress is a natural phenomenon which affects certain places and can be detrimental to human health. The most usual cause of geopathic stress is certain mineral concentration or an underground water stream, flowing beneath the house. Geopathic stress can also arise out of a geological fault line i.e., a deep crack in the bed rock which allows radiations from deep within the earth to come up to the surface. Construction companies today hardly give any kind of thought to the presence of geopathic stress and its impact on Built Environment. Most of the people always ignore geopathic stress since they are unaware of its occurrence in certain locations of Built Environment. World Health Organization (WHO) has recognized that a building can make a person sick. The illness caused by a building is called as 'sick building syndrome'. Many researchers through their research have established the interaction of built environment and human systems. It has been observed that, the presence of ground water vein is closely associated with generation of such a sick building syndrome. Location of ground water veins can be identified by using ancient techniques of dowsing. Various scientific methods are also available for detection of geopathic stress. It is now well proven that, the Geopathic stress affects the Built Environment.

II. RATIONALE AND SIGNIFICANCE OF THE STUDY

Geo means 'of the earth' and pathos means 'suffering from', thus Geopathic stress means 'suffering or disease of earth'. Though the awareness towards Geopathic stress has long history more than 4000 years as Chinese termed the areas affected by earth radiations as 'Dragon lines', it is deprived of the scientific and technical analysis till the end of third decade of 20th century. Bird (1994) has tried to hint that, earth radiations from the nadir directions could be associated with road accidents. Meliknow (1997) observed that, a large number of accidents had occurred at the intersection of ground water zones where other technical causes of accidents did not exist. Kharat (2000), through his empirical investigations at some spots on national highway, observed that reaction time of drivers change on Geopathic stress zones leading to road accidents. Several other authors have reported the presence of ground water vein as one of the factors for certain type of diseases like cancer, long lasting illness etc. In many cases, the people living in areas prone for geopathic stress acquire illness which does not clear up despite good treatment. Also, they wake up feeling tired or feel worse in the mornings. This is because when people are affected by geopathic stress for longer periods their body resistance drops to one third of normal during sleep. Pimplikar (2011) has conducted empirical investigations and analysis on the human body system in motion while traveling at high speeds. He has developed simple models that are expected to identify the relationship of subterranean features and the human body system in motion on highways and expressways. Empirical and theoretical investigation had

revealed that Geopathic stress is one of the cognigible, natural and scientific phenomenon in the infrastructural development of built environment. So it is clear that, geopathic stress affects the built environment.

III. BRIEF OVERVIEW OF LITERATURE

Kingston (1996) has presented observations related to massive surveys conducted in different parts of the world which show that, people having illness like cancer, arthritis, blood pressure and similar diseases had strong Geopathic stress zones crossing their homes. There are several sources that generate geopathic stress. Dharmadhikari (2010) studied the effect of geopathic stress on human system by recording blood pressure, heart rate etc by using light interference technique. He has enclosed laser and selenium photocell at the two ends of the wooden box and measured the current in selenium photocell. He observed that on a geopathic stress location the current sharply decreases and then remains constant, this may be due to less photon reaching the detector, which indicates that there is some interaction due to geopathic stress. The study has also shown the scientific basis of the dowsing method using L-rods, on the basis of electrical characteristics of the subterranean features. Professor Benedict explains dowsing as a phenomenon of the combination of Bio-Physics. According to him the bipolar (positive and negative) sides of the body are closed in an 'emanation stream' through the dowsing rod. The characteristic 'turning of the rod' occurs at the moment the dowser walks over the geopathic stress zone (Bachler, 1976). There is variety of devices available such as L-rod, coconut, Y twing spring rod and pendulum for dowsing purpose. It is seen that the L-rods appear to be more suited for locating ground water veins in built environment as the edges of vein can be located more precisely and thus the width of the vein can be noted. Also, the direction of water flow and its depth can be detected. Agarwal (2004) hinted at 3 major sources of energy viz. cosmic, air and earth radiations. He further observed that, underground streams of water emit energy vertically upwards to the surface. This energy penetrates metals, concrete and other substance which have high degree of impermeability. Although moving away from a stress zone is easier in residential built environment but it is difficult for the road environment where the accidents occurs. It is hence necessary to scientifically study the nature of the geopathic stress and consider Geopathic stress as one of the aspect for planning of the built environment. Though there is enough scientific study the occurrence of Geopathic stress and its effect on human body it is very difficult to so called "educated person" to understand that there are distorted vibrations coming out from earth which are disturbing the normal functioning of the human beings. The people living in china knew harm caused by Geopathic stress over 4000 years ago and since then they start avoiding building houses on such a geopathically stressed zones.

IV. OBSERVATIONS

- In Planning of a built environment, ancient spatial planners were particular in selection of site for spatial development. The modern planners are unaware of the importance of site selection as they rarely get an opportunity to select a site and develop it. It is said that the underground features like Ground water and the presence of Ground Water Veins are hazardous to both Built Environment and Mankind. Hence before planning an area the ground water veins must be located by various empirical methods such as dowsing. Dowsing is the method to locate, the position of the ground water below the sub-terrain using copper L-Rods.
- A theoretical investigation on built environment shows that human body interacts with this affected built environment in many ways. To prove this, three sub-modules were conceived: The first sub-model demonstrated the location of ground water by dowsing. The second sub-model shows the affect on human when he is subjected to Geopathic Stress. The third sub-model shows that there is an occurrence of accidents due to Geopathic Stress zone, as the reaction time of the driver is hampered with.
- Finally it was found that the presence of this Ground Water i.e. Geopathic Stress is one of the cause for anomalous behavior of human system causing diseases like Cancer, Asthma, Illness, Arthritis, Heart diseases etc. Also uncomfortability in Sleep is a victim of Geopathic Stress. Thus it was concluded that before planning structures, may be residential, commercial, roads etc. Geopathic Stress must be checked for, and measures for a safe development must be adopted for the same.
- Road safety considerations are fundamental to the transportation planning process. The location aspect of the road is a critical parameter concerned with the safety requirements. These earth radiations from the tenth i.e. Nadir direction hampers the normal functioning of the body, road user and hence a link is established between these earth radiations, Road users and hence the road accidents.
- In this Study Fifty accident spots existing on the Mumbai-Pune expressway, the Mumbai-Bangalore highway, the Pune-Nagar highway, the old Mumbai-Pune highway and other roads were identified for the study. These spots were characterized for the occurrence of fatal accidents and moreover the causes of the accidents were unknown. Normal engineering reasons for the cause of accidents, such as sight distance, geometry, gradients etc. did not exist at these spots. Bio-location using copper L rods has been carried out at these locations in order to identify the presence of the moving underground water zones if any. Empirical investigations in the form of polycontrast interference photography (PIP) scans were carried out at the accident spots. As stated earlier the human body does not function

normally in the Geopathic Stress zone. To achieve this purpose, three independent systems of measurement were used. These consisted of measuring the human energy field (aura), measuring the pulse and blood pressure values and further measuring the body voltages of the test subjects on the normal zone as well as on the Geopathic stress zones and comparing the results. This Study was concluded by the following inferences according to observations, that The normal body functioning of the human beings subjected to Geopathic stress has been disturbed as has been evident from the significant variations observed in their pulse, blood pressure, body voltage values and the changed human energy fields. A positive co-relation has emerged between the accident rate, the current detected on the stress zone and the body voltages measured.

- Also it was noticed that the Performance of the road was depleted as the surface of the Road was found to be deteriorated. Hence, Geopathic Stress has to be considered as an important design parameter which will in turn enable planners to prevent occurrence of accidents and hence plan a safe Transport System.

V. CONCLUSIONS

- ✓ It is concluded that the consideration of Geopathic stress must be a part of the preliminary survey for planning and designing of roadways, railways, also for town planning and other infrastructural development.
- ✓ Public places such as schools, hospitals, offices etc. must be checked for Geopathic Stress before construction and if possible such places must be avoided otherwise Treated for.
- ✓ Dwelling in Geopathic Stress zone should be avoided as it may lead to perilous diseases.
- ✓ Thus, Geopathic Stress is one of the significant aspects to be considered for safe and sustainable development.

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