



MODIFICATION OF SKYSCRAPERS A WAY TO GET BETTER FUTURE

Er. Gurveer Singh

53, Azad Nagar, Sultanwind Road, Amritsar, Mob No. :- 8427199718

Abstract :-The main motive of this concept is to change the world and the engineering to make the life easy and better in future. The modification of towers and the skyscrapers on earth in future may change the thinking and designing concept of human being. There's about 100 lightning bolts strike the earth's surface every second & if calculated it may about 8 million per day and 3 billion each year. lightning strikes the ground approximately 25 million times each year in the U.S. states such as Tampa, Cape coral, norman, Houston, Oklahoma,...etc & there's big source of producing the electricity from the skylighting. Many theories have come from many researchers. capturing the sky lightning for the use of electricity for the city may produce much more economical than the producing of electricity from the any other source. Second the technique of getting pure water for fulfilling the various use of human needs. This technique is based on the principle of suction machine. This technique uses the cloud sucker machine within the skyscraper at some height from the ground. The cloud sucker machine is used for inhaling the clouds from the sky. This is the easiest and the cheapest way of getting pure water in huge quantity for human needs. The use of skyscraper in modern era for getting water from the clouds is the biggest deal. As from the stone age to now we all depends on ground water but now when there is deficiency in ground water or when the ground water table goes on decreasing day by day may cause problem of deficiency of pure water for human need and may cause draughts. This innovation is better way of getting pure water in easiest way without any treatment and this innovation produces electricity from water without any water ponding method.

Key-words :- fulfilling the demand of pure water, use of skyscraper as engineering aspects, economical, electricity production, capturing skylighting from sky, how to control the strike to hit same position again & again, attraction of sky lightning, harvesting of skylighting energy.

1. INTRODUCTION

Transformation of bhurj khalifa and the other skyscrapers in the world that are now present or in future is a way to innovate multiple use of skyscraper in future as a way to make them more efficient and economical in bigger cities. The concept is that the greater the height the greater the wind intensity and the wind energy that is used for making electricity. There are two ways of transformation of skyscraper for generating electricity one is introducing windmills in the skyscrapers and other is harvesting sky lighting from skyscrapers and storage in huge quantity in very less time and we can use that energy for long time by whole city. So with this innovation we can change the life style of people and made it economically. There is another way to capture pure water for drinking from skyscrapers. Modern skyscrapers can fulfill the demand of people by generating electricity for 3 to 6 months in just a few time. If we talk about the bhurj khalifa and other skyscrapers the intensity of wind is too high. This engg. Concept made the first man made electricity generator skyscraper from its top floors.

I. ENGINEERING CONCEPT

There are three type of concept for future skyscrapers from which the two concepts are for the electricity generation from skyscraper and one of the concept is for harvesting pure water from clouds. These concepts are as follows:-



Img. (1) Show the clouds at the top of skyscrapers

1. INTRODUCING WINDMILLS IN THE SKYSCRAPERS

This innovation gives a new concept that combines the civil and the electrical engineering together. In this concept the future buildings such as skyscrapers produce its own electricity and also for the whole city which makes the engineering more powerful and then we don't need to focus on the dams and small wind mills for generating electricity. The future skyscrapers made with the ability of electricity generation, residential, commercial. The future skyscrapers and the skyscraper that are build today has power to generate the electricity for the whole city. The wind intensity at the top of the tower is so high as approximate to the 240km/hr if we calculate as per burj khalifa. Using same concept as used in cloud sucker skyscrapers but little much different.

2. HARVESTING OF SKYLIGHT FROM THE SKYSCRAPERS

A single bolt of lightning contains roughly one billion (1,000,000,000) joules of energy. Every years billions of energy got wasted or converted into the form of heat, light that may warm our environment. Expect this it is very difficult to produce huge amount of electricity every year from the hydropower, solar power because it may acquire huge part of land. The use of sky lighting for electricity gives huge amount of energy easily and in very less time. This innovation deals with the harvesting of sky light from the atmosphere at some height from ground. By capturing sky light before it reaches or strike to earth. This method may solve the many dispute of hydropower between the states or countries. The world used around 20,279,640,000,000kwh – over 40 times the electric energy that all the land strikes contain. So all the lightning we capture will give the world enough electric power for only nine days but there is more energy. Lightning occurs 40-50 times a second worldwide. Many factors affect the frequency, distribution and physical properties if sky lighting. By this innovation or method one can easily harvest sky lightning from all around the world by making energy harvesting plant at different places. There are many countries or states where lightning g strikes more than the normal.

3. Harvesting of sky lightning energy

Lightning energy would need to be rapidly capture the high power involved in a lightning bolt. It is difficult to convert high power voltage to lower voltage. Additionally lightning is sporadic and so energy would have to be collected and stored.

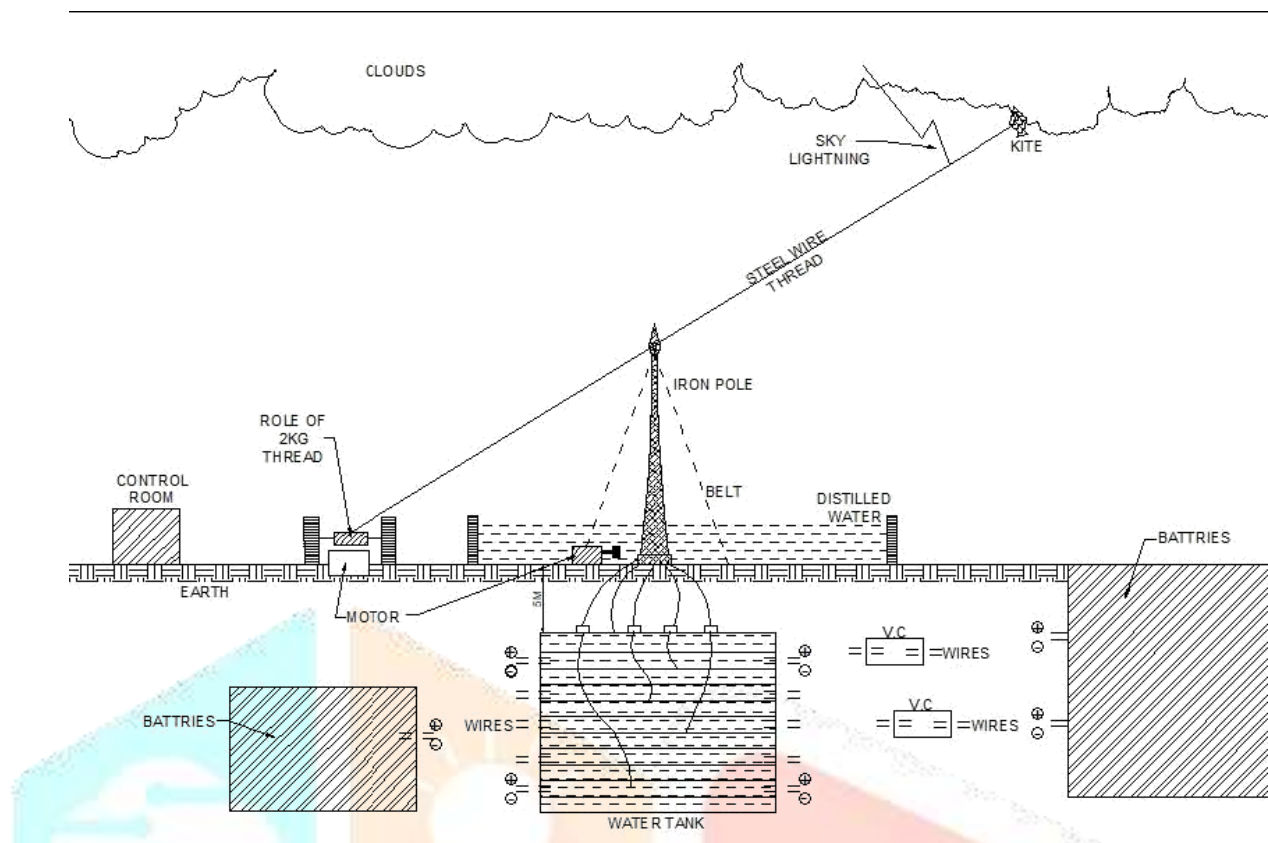


fig.(2) Harvesting of sky lightning

4. Material & Method

A pole of iron or steel about height of 50m, a thread of steel of about 1 kg, two motors, a flying kite about 4 ft, large tanks of distilled water and salt water, large amount of huge batteries, high voltage converter, a panchshul of 10m height, huge area of ground, high quality wires.

5. Pole of iron or steel

Using the iron pole because the electricity is attracted by the iron or steel. For attracting the electricity at one place from the thunderstorm at some height from ground.

6. Use of iron thread with kite

Normally sky lighting not strikes on fixed point on earth. This innovation uses very old method of flying kites for harvesting of thunderstorm sky lighting. Flying kites with normal thread is a fun but with the steel thread is so danger because it may produce electricity from mobile waves that travels in the atmosphere. When the kite passes a distance about 500m then the shocks start producing in the wire and in just 2 minutes it may become electric current. for harvesting of sky light from the sky and before it reaches to earth this innovation use steel thread by this we can harvest electricity again and again from atmosphere from one station.

7. Use of Water

water in the tanks may play imp role during the harvesting of sky lighting. We all know that the salt water is good conductor of electricity and distilled water is bad conductor.

8. Method

After the setting out of huge batteries at the station on one side. The setup of huge water tanks under the ground of about 3m should be done. Water tanks are divided into a number of layers and the water in each layer should be different from each other for example:- first layer is filled with the distilled water and other with the salty water and so on at the last there is a layer of salty water. When the setting of tank is to be done then place the panchshul on the tank keep in mind that the half of panchshul is submerge in water. Then fit the 50m high steel pole on the panchshul. Then after setting out these things then arrange a motor with belt and place the belt along the height of pole and then tie it with motor so that the steel thread can easily pass through the hole that is on the top of pole. Then arrange the motor with forward and reverse gear at some distance from the pole so when the thread passes through the top of hole to the motor it may make angle of 45 degree and hold the 2kg steel wire role on the motor that is away from the pole. The voltage converters are install on the each end of panchshul and on the each end of salt water layer and then connect it to the batteries. Make sure that the wires may resist high temp and can pass high voltage current and made a cabin for controlling the motors. When the lightning strikes reaches to earth by pole then the damage on earth may be controlled by distilled water.

1. CLOUD SUCKER SKYSCRAPERS

For the development of living condition of the people and for the fulfillment of water to the people that need water for living this invention plays a bigger role in future and now a day. There are 500 tons of water in a cloud in the purest form of water. Now when there is lot of deficiency of drinking water at many places this invention may fulfill the requirement of water. On the other hand human built many skyscrapers that reaches above the sky. This innovation deals with the process of sucking the clouds and getting water from the within the skyscraper in the region where the rainy season remain whole the year. In this process the cloud sucking machine is used for collecting pure water from the sky with help of skyscraper. Every year huge quantity of rain water got polluted when its comes in contact with the atmospheric gasses until it reaches to ground. So collecting the water from the clouds is the easiest method of collecting pure water for our and future generation.

BACKGROUND:-

from stone age to now a days we all depends on ground water for drinking and other human needs. We all know that there are three sources of water such as ground water, surface water, glaciers. Till now a day we all are using these three sources of water for our requirement. But now a day the ground water table goes on decreasing day by day. We all are using the ground water as petroleum from earth & the time is not so far when they doesn't exist. Except all these sources there's other source on which the whole of sources depends that is clouds that is the purest form of water. So collecting the water from the clouds may save the other sources of water and may helpful for the people that are living at regions where the shortage of water is high.

PROCEDURE:-

In this process of collecting the pure water from the clouds with help of cloud sucker machine that is built in skyscraper. The clouds are sucked by cloud sucking machine such as turbine works in airplane. When the machine start pull the clouds then the extractor inside the machine extract the water from the clouds and push the air back to the atmosphere. There are two chamber one for the air and one for water. The turbines are fitted in both the chamber. In water chamber turbines are fitted vertically and in air chamber turbines are fitted horizontally. The turbines are used for producing electricity from the

pressure of air and water. After producing electricity air is pushed in atmosphere and the water from other chamber is collected in the tank at ground through pipes & then the water from the tank is easily pumped out for the supply to any area.

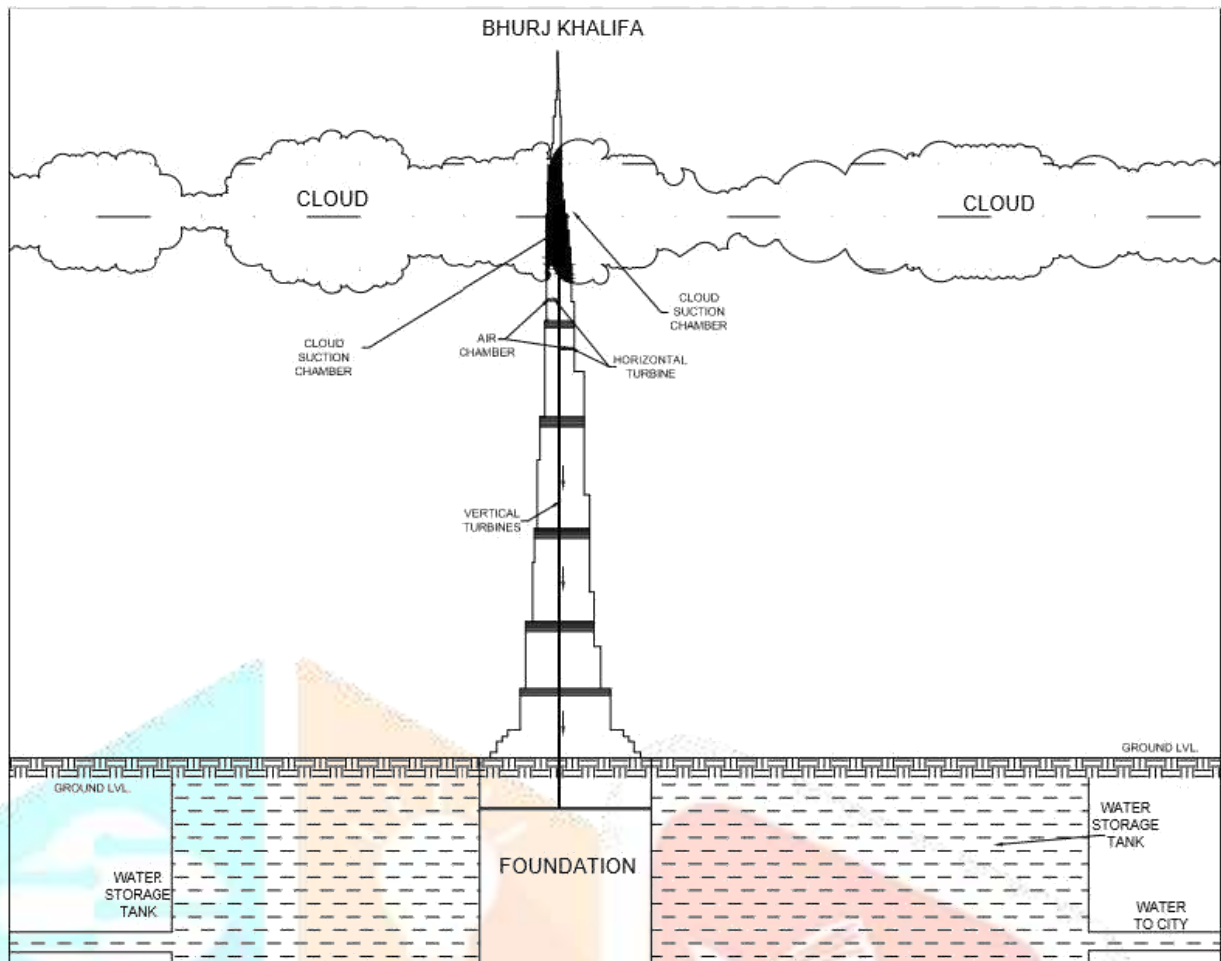


Fig. (3) CLOUD SUCKER SKYSCRAPER DESIGN

PLACES WHERE THE INNOVATION WORK:- some of the cloudiest cities in the world:-

RANK	CITIES	Hours of Sunshine Per Year
1	Torshavn, Faroe Islands	840
2	Chongqing, China	1054
3	Sao Joaquim, Brazil	1065
4	Dikson, Russia	1164
5	Malabo, Equatorial Guinea	1176
6	Lima, Peru	1230
7	Reykjavik, Iceland	1236
8	Usuaia, Argentina	1281
9	Taipei, Taiwan	1405
10	Edinburgh, United Kingdom	1427
11	Saint Pierre and Miquelon	1427
12	Dublin, Ireland	1453
13	Sapporo, Japan	1466
14	Copenhagen, Denmark	1539

Even if there are many places in Africa, Asia, Europe, and where it rains every day and many more other than expected water in the form of rain which we need and we can capture it by use of skyscraper. There are more

OBJECTIVES OF INNOVATION

Using the future tower as way to made world more great in future by comine whole engineering concept in skyscrapers.

For making the worlds tallest building for multiple use as with diff engineering concept.

Making worlds every corner bright in just few sec by capturing the sky light by the help of skyscrapers in economical way.

Main motive of this concept is to save the world from the drinking water problem. Making the life easier and economical in the future.

Capturing the electricity in huge quantity form skylight for use.

Introducing windmills at high altitude in plane area for generating more electricity with high wind pressure. Water from rainy regions is easily transported to draught sites through pipes.

9. CONCLUSION

It may solve the drinking water problem from the whole community and save huge amount of money from the water purification processes.

It may produce the electricity for whole city for long time in just few seconds.

The innovation gives a new vision to engineering concepts and combine the civil, electrical and fluid mechanics in the future skyscrapers.

It may solve the problem of various human needs.

For making the life more economical and more easier.

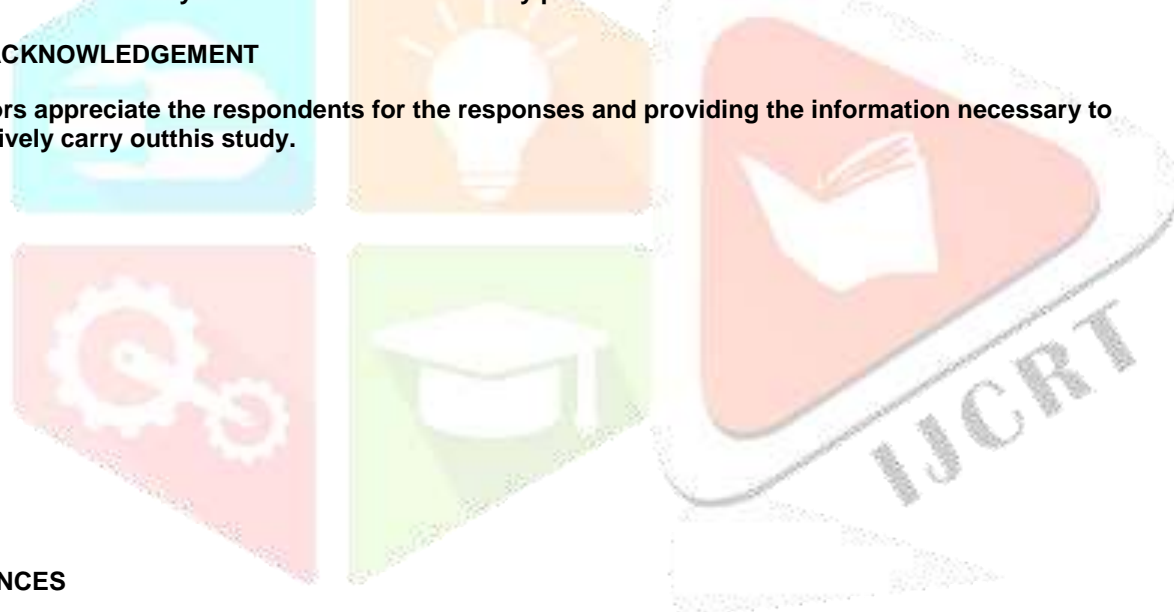
It can solve the ground water table lowering problems and save the future of earth from the draught. A new concept in engineering makes the world more beautiful an d developed.

It may cause the rural life development very quickly.

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10. ACKNOWLEDGEMENT

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