

"Hydrogrameen Strategy Management is a new Success Mantra for Save Earth from Future Water Crisis –A Road Map Micro Study in Indian Data"



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Abstract

Management plays a vital role to make show success. For successful mission perfect strategy are required. Strategy which is created by mind for future course of action. Strategy gives proper direction for implementation. In same way Hydrogrameen strategy management it is an operation strategy which helps water manager how to reuse and resave the water from future water crisis.

Water is life for sustaining, without water flora and fauna will be unable to sustain. As per "Aristotle" Man is a Social animal .To sustaining on the earth this social animal we call man need safe water for alive. Author tries to focus on the concept of hydrogrameen which show the Modal how to save water for future water crisis. Hydrogrameen concept given by *Rash B Ghosh* who is the inventor for new revolutionary to control water crisis by this techniques. By his technique world get new ways to measure environment.Hydrogrameen brainchild concept show the water village formation against water crisis from earth.

Keywords: Hydrogrameen, Strategy, Management, Crisis, Water, Environment, Water Village, Sustaining

Introduction

Hydrogrameen is derived from two words "Hydro" means water and "Grameen" means Village .This Hydrogrameen concept invented by Prof Rash B Ghosh. He has given a technique to refill depleted aquifers with fresh water, prevent land subsidence, and protect the naturally created safest source of drinking water storage areas. He says in his article that about 600 million people in India face water crisis stress in the country and 200,000 people die every year due to inadequate access to safe water.

As per the report of Ritu Jha India's groundwater problem affecting 100 million people with next two years, 21 cities including Delhi, Bangalore, Chennai and Hyderabad. It also predict that by 2030 40% of the population no access to drinking water.

Review of Literature

September 17th, 2016, the International Institute for the Bengal and Himalayan Basins (IIBHB), a nonprofit organization located in Berkeley, California, will hold its 7th Annual Townes and Tagore Seminar on the Global Water Crisis in 775 Tan Hall on the UC Berkeley Campus. This event was jointly sponsored by the IIBHB and the U. C. Berkeley Departments of Chemistry, Molecular Cell Biology (MCB), Public Health. Speakers will include authorities on water, environmental, and canopy chemistry, climate science, the water crisis in California, civil engineering, energy storage, and nanotechnology for the concept of Hydrogrammen Model¹.

September 2016 discussion was focused on the IIBHB's "HydroGramin" model, the design of Dr. Rashbihari Ghosh, a Bangladeshi-American scientist, for a complex of villages built around a central reservoir on the principles of sustainable hydrological, architectural, and agricultural development. While serving communities economically and as a source of clean drinking water, irrigation, and aquaculture, HydroGramin projects will, in turn, be used to recharge or cleanse deep and shallow aquifers and will also prevent land subsidence, and address problems caused by sea-level rise

Prof. Richard Saykally, a UCB authority on water chemistry, was address the overall advantage of the HydroGramin model over desalination and the place of both technologies in our planet's water future.

Dr. Randy Scheckman, the 2013 Nobel Laureate in Medicine. We are greatly indebted to Professor Scheckman for his ongoing support of Hydrogrameen model for the development of water crisis solutions².

Above literature Review show the path of newness of Hydrogrameen Model to solve water crisis on the earth. Author objective as well as hypothesis meets the solution of water crisis problem which leads to bring the concept of hydrogrameen strategic management in the form of success mantra for future problem solution in crisis management of water. Above analysis shows that author move in right direction for analysis.

Concept of Hydrogrameen

A Hydrogrameen is a watershed management cooperative consisting of a complex of villages built around a reservoir, which has been constructed to recharge aquifers, financing and economically independent homes and communities for the poor and for those who are willing to contribute expertise or otherwise to support the cooperative.

Objective of the study

1. To analysis the Hydrogrameen concept.
2. To analysis how hydrogrammen concept control the water crisis in future.
3. To analyse the factor that water crisis based on population.

Hyphothesis

H0

Hydrogrameen concept reduce the water crisis from the earth.

H1

Hydrogrameen concept Unable to reduce water crisis from the earth.

Importance of the Study

This study show the new path for the research that how the concept of hydrogrameen work to control water crisis from earth .Is it is helpful model for save water ?How this Model work? Various types of question are arising regarding how to solve this water performance problem? This study really helpful to us to analyses the future water crisis problem minimise and certain parameter can reduce the problem. Hydrogrameen invention is a boon to save water in earth in sustainable manner for save the life of living being.

Origin of Hydrogrameen Strategy Management

Hydrogrameen model or Hydrogrameen Strategy Management is origin from a mixture of Indian Bengali word i.e for JHOL or PANI both the word derive from Sanskrit words Hydro means water and grameen means village and form Hydrogrameen.

When work of Hydrogramin model was juvenile stage also known Bengal Basin working Model. In the year late 1990s and early2006 both the professor of Berkley and Harvard professors contributed for the development of Bengal Basin Model which renamed as Hydrogrameen to reflect the

Indo –Bangla culture and tradition where the idea was born and the work started

Hydrogrameen technology involves injecting fresh, clean water to replenish depleted aquifers in a safe way to protect the world's most invaluable resource, water. This technology can build a new watershed as well as to protect the existing one and make them self sustaining by installing eco housing based on economics. This technology reshape after 35 years of work in Bengal Basin, Great Britain and California. It is possible due to advance technology develop by US and European tested repeatedly and proven to be safe.³

Challenges

1. Water use data for domestic and industrial sectors is available at only the aggregate level which provides very little information.
2. Unreliable data are available due to outdated collection techniques and methodologies.
3. Inadequate sample of 55,000 wells are available out of 12million in the country. It shows that groundwater data in India is Inadequate.

Problem Interpretation

Every year 2 Lac people die due to inadequate access to save water. The data analysis from secondary data .By 2050 water crisis is expected to reduce India's GDP by 6%crisis. Already, by 2030 the water shortage and population growth could increase demand two fold. All this part of the recently released composite water management index (CWMI) report published by the National Institute for Transforming India(NITI) Aayog that aims to ensure effective water management in Indians States. Two fiscal years data collected i.e 2015 to 2016 and 2016 to 2017 from both federal and state sources has helped gauge the current water performance and the evolution of the performance in the two years. The report also shows that 70% of India's water is contaminated, placing 120th in 122 countries for its water quality.

Remedies

Solutions to such problems should be multifaceted, aimed at comprehensive remedies that offer all in one solutions to the human and ecological dimensions of the crises. Hygogram model help in built reservoir in conjunction with to recharge aquifers and provide water needs for future and present.

IIBB comprises team model consist of PI/CoPI, Advisors, Research Personnel/Volunteers, Technical, Computing personnel and Accounts personnel. IIB operates with few basic principles with a hierarchical reporting structure through a chain, and the super ordinate goals of the organization, which combine to result in the organization arranged by functional departments with order and discipline being maintained by rules, regulations and standard operating procedures. There is an essence that researches generally identify decisions that PI and Co PI have to make as they develop the organizational structure, although they may not be explicitly aware of these decisions. Firstly, the organization work is divided into specific jobs. Secondly, the jobs are grouped in some way. Thirdly, the number of people and jobs that are to be grouped together is decided.

This is related to the number of people that are to be managed by the PI and CoPI. Fourthly, the way decision making authority is to be distributed must be determined.

Conclusion

Above study fulfill the author objective with hypothesis that shows that variable water crisis, population and hydrogrameen are significant which shows future hydrogrameen will help to minimise water crisis with innovative modal. Water crisis is a upcoming issue for everywhere. India need advanced technology to reuse , recycle , reiteration technology with proper water management as well as water chemistry team for minimise the risk with Hydrogrameen model. This model can serve as an inspiration for fresh water supply in the region and worldwide and also improve the quality of life along with simultaneously improves the socio economic for the country. Hydrogrameen operation strategy management show water is valuable for sustaining in earth .This Hydrogrameen concept justify that paradox of plenty is not applicable with water .

Suggestion

1. Hydrogrameen strategy management concept organised structural modal of invention which can mindset every household to recycle there water through small gardening .This concept should not be confined in rural village but awareness require for urban sector also.
2. In our house outlet water we can recycle, through small agriculture cultivation. Water peculate pure water and waste water will be used in agriculture. End of outlet we should make filtration system with some barrier in the form of small net so that waste part or toxic part would be stopped and

remaining water move towards agriculture land. This hydrogramin technique help to refill depleted aquifers with fresh water, prevent land subsidence, and protect the naturally created safest source of drinking water storage areas.

3. Local Govt like corporation, municipality are required to intervention and make policy to restore supply water in some extend for future water crisis problem.
4. Govt should introduce the course of Hydrogrameen strategy management in school, engineering department, water chemistry department as well as water crisis management as a new department

Refernces

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Footnotes

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