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An overview on Kerala floods: Loss of human lives as well as biodiversity in god's own Country

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Abstract

This study was depicting an overview on the natural tragedy of Kerala, India. Besides this, representing the loss of human life as well as Biodiversity in Gods own country via earth most super natural power water respectively. People lost their Numbers of livestock animals such as cattle's, buffalos, goats, pigs, and poultry are dead. On the other side, Loss of Infrastructure, properties, houses, agricultural crop, fish farm pond and Industrial area. On the other hand, farmers faced economical tragedy like; loss of agricultural crop, fish farm pond, boats, trawlers, gear, crafts and it disrupt the breeding ground of the many fishes. With this study we observed that Indian government should create awareness among the other people on National level so that every state help their neighboring state in the mean time of tragedy via their skills in area of disaster management.

Keywords: Biodiversity, disaster, human life and tragedy

1. Introduction

A beautiful state Kerala known as God's own country situated in the south-western region of India has a famous destination for tourists due to their temples, rivers, hill stations, national parks, palm-lined beaches and backwaters, a network of canals and nearly 600km of Arabian Sea shoreline. It was formed on 1 November 1956 by States Reorganization Act with widely spoken languages such as Malayalam and English and around 3.5 crore inhabitants lived in the 38,863 km² (15,005 Sqmiles) which divided into 14 districts (capital Thiruvananthapuram) of the state with highest literacy rate, 93.91% as per 2011 census report in India. The production of pepper, natural rubber, coconut, tea, coffee, cashew, spices and especially due to coastal state, the large numbers of a community depend upon fisheries sector which contributes a decent amount in state income. In this year 2018, the monsoon hits critically in the south-west state especially Kerala region in India which results in severe flooding in nearly a century (Baynes, Chris, 2018) ^[1], affecting overall 14 district of the state due to heavy rainfall. Approximately over 373 people died within last 15 days and around 280,679 people were emigrant (Babu, Gireesh, 2018) ^[2], mainly from Aranmula, Aluva, Chalakkudi, Kuttanad, Pandalam, Chengannur, Pandanad and other districts etc. For the first time in history around 35 outs of 42 dams in the state of Kerala were opened due to overflow particularly Wayanad and Idukki regions where floods caused several landslides and isolated the hilly regions (India today, Mathrubhumi 2018) ^[4]. The Kerala State Disaster Management Authority has placed the state in a red alert as a result of the extreme flooding.

2. Impacts on the Kerala region

The impacts due to floods are given below

1. Around 373 people lost their lives in last 15 days until 22 August, 2018.
2. Numbers of livestock animals such as cattle's, buffalos, goats, pigs, and poultry are dead.
3. Loss of Infrastructure, properties, houses, agricultural crop, fish farm pond and Industrial area.
4. Mixing of polluted water in the ground water and other natural water body which is not useful for household and drinking purpose.
5. Suspended all the Internationals, domestic flights until August 26, 2018.
6. Public transport such as buses, trains, taxi, Kochi metro and other heavy load vehicle truck also found difficult reach their station.
7. Schools, colleges and universities, governments and private offices were also closed till the further orders.

8. The floods of Kerala disrupt the breeding ground of the many fishes.
9. A rapid assessment by the Central Institute of Fisheries Technology (CIFT) in the wake of the devastating floods that ravaged Kerala this monsoon has pegged the loss in the livelihood of fishermen involved in inland fishing at Rs 93.72 crores. Losses incurred due to damage to craft and gear in inland and marine capture fisheries have been estimated at Rs 10.96 crores ^[5] [table no. 2].
10. Effect on the nationals as well as state economic and financial assessment.
11. Hundreds of villages, roads, uprooted many plants side by area were damaged.
12. The conditions are favorable for the growth of pathogens and great chances to outbreak of diseases.
13. Damaged the electricity supply, cables, Telephone, network system wires and other etc.
14. Loss of pet animals such as dogs, cats and birds and wild animals lives such as reptiles, birds, terrestrial and aquatic animals.

Table 1: Contribution to the Kerala floods victims

A relief by the National, States government, private companies and Individual personalities		
Sr. No.	Information	Amount in crore
1.	Indian Prime Minister given interim relief for Kerala	500
2.	Lulu Group Chairman Yusuff Ali M.A.	5
3.	UAE leaders ordered the formation of an emergency committee to provide aid to Kerala	700
4.	KP Hussain, chairman of Fathima Healthcare Group	5
5.	An Indian doctor, Dr. Shamsheer Vayalil	50
6.	Sunny Leone (5 crore) Shah Rukh's Meer Foundation (21 lakh), Jacqueline Fernandez (5 lakh) donated to NGO Habitat for Humanity India's Kerala Flood Relief Programme and Karthi and Suriya (25 lakh), AlluArjun (25 lakh), Kamal Haasan (25 lakh), Mammooty and Dulquer Salmaan (25 lakh), Anupama Parameshwaran (1 lakh), Vijay Sethupathi (25 lakh), Siddharth (10 lakh), Dhanush (15 lakh), Sivakarthikeyan (10 lakh), Nayanthara (10 lakh), Vishal (10 lakh), and Vijay Devarakonda (5lakh) to the Chief Minister's Distress Relief Fund	7.12
7.	State government: Bihar (10 crore), chattisgarh (3 crore), Gujarat (10 crore), Himachal Pradesh (5 crore), Jharkhand (5 crore), Karnataka (10 crore), Maharashtra (20 crore), Manipur (2 crore), Puducherry (1 crore), Punjab (10 crore), Telangana (25 crore), Uttarakhand (5 crore), West Bengal (10 crore), Andhra Pradesh (10 crore), Madhya Pradesh (10 crore), Tamil Nadu (10 crore), and Tripura.	147
8.	Other movies, Daily soap stars and people in different states give a generous contribution to the Kerala victims	Amount unknown

3. A government support to the Kerala floods victims

The Indian armed forces, Indian Navy forces, State police department, Non-profit organizations, Indian coast guard and framers with their fishing boats continuously working on

rescue mission towards Kerala victims and a more than 800,000 people have been lodged in over 4,000 relief camps across 14 districts. Besides this, Indian Government also given interim relief for Kerala with 500 crore [Table no.1].



(Source: https://img.timesnownews.com/story/1534908198-relief_2.jpg?d=600x450)

(Source: <https://thewire.in/environment/debunked-eight-malicious-myths-about-the-kerala-floods>)

Fig 1: Kerala Flood Victims in relief camps



Fig 2: Locals and police department rescue the civilians from Flood areas

Table 2: Destruction in Kerala due to floods

Sr. No.	Damaged in Kerala floods
1.	More than 370 lives lost
2.	More than 1 million people displaced
3.	3000+Relief Camps opened
4.	Lost crops in 42000 hectares
5.	537 landslides
6.	221 bridges collapsed
7.	Preliminary estimates count a loss of more than 3 billion USD (20000 plus crore in INR)
8.	10000 km of roads damaged
9.	2.6 lakhs farmers affected
10.	livelihood of fishermen @ Rs 93.72 crores

3.1 What we can do?

1. Awareness among the other people towards contribution of money, foods, clothes, material, water and other daily life stuff.
2. To awareness among the people of Kerala regarding disaster management and their mitigation programs through Training programs, campaigns and seminars etc.
3. Help to rebuild and rehabilitation of the Kerala people.

4. Conclusion

To all the people who lived in the Kerala and suffering from the natural disaster floods, I would say on the behalf of authors and among all Indians who have different from their region, culture, foods, rituals, customs, languages and etc. to ensure you that we are with you by doing every single possible efforts to rehabilitate our beautiful state Kerala. Lastly, during natural tragedy we cannot express loss in exact quantity and as well as in words respectively because we cannot regain human and animal life's after death.

I would also request to all the nation lover citizens, do contribution as much as afford:

5. References

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