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IMPACT OF COVID -19 ON TRANSPORTATION AND LOGISTICS INDUSTRY

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Abstract:

Since last two year, the whole world facing the pandemic situation because of covid-19 or Novel Corona virus which is highly impacted on all kind of human activities and business. There are various sectors like education, Marketing, Transportation, tourism, construction etc. are highly impacted due to pandemic which cause for loss of Human life which needs to be supported in various manner.

This paper highlights the impact of Covid -19 on Transposition and Logistics and facts affected on of transportation and logistics business. Due to Lockdown and Restriction on moment of transport from one state to another is affected on Transposition of goods, Materials and essential commodities which results into huge loss to the traders as well as to the world.

This paper aims to examine the Impact of Novel Corona Virus or Covid -19 on the Transportation and Logistics, where various activities have been stopped due to movement restriction. The paper Includes the Introduction of Topic, and Impact of Covid-19 on sectors of Transportation and Logistics in Various Manner.

The paper has include the study work based on secondary data which is prescribed by various official articles, reports and data regarding the transportation and logistics , the outbreak of pandemic is new to the globe therefore the information is restricted to the statistical data provided by government official and various statement are conceptual based on the current pandemic activities.

The paper consist the concept impacts of transportation in various modes such as air transport , sea transport and Road and rail Transport, and impact on logistics.

Keywords: *Transportation, logistics, Supply chain, Pandemic, Lockdown, Covid-19, Corona virus, slowdown etc.*

INTRODUCTION:

In early 2020, when WHO declared the pandemic situation due to Covid-19 a greater number of countries-imposed restrictions on travelling and transportation and shut down their borders and Restricted the Transportation and travelling within and outside the borders of countries to stop outbreak of Novel corona Virus or Covid-19 which creates hurdles for trade and transportation

Throughout the world.



As a result of Restriction, the disruption in supply chain operation and management, the transportation & Logistics sector were hindered in various ways which includes air, Freight and sea activities.

As result of Pandemic, Statics of various research work stated that nearly 20 % of logistics sector professional reported that in the sector of Logistic supply chains were disrupted by covid-19 pandemic and nearly 11 % of respondent of sector reported that their orders were cancelled due to Covid –19 as result of Loss.

The spread of infectious disease, Covid-19/ corona virus Disease 2019 has brought a worldwide tragedy not only for Human Lives, but also for commercial and economic activities like Manufacturing Commodities to Supplying goods and services and various sector of Transport and Logistics.

➤ **NEED FOR STUDY:**

From last two years whole world is facing the outbreak of pandemic due to Covid-19 which is affecting the transportation and logistics Industry; therefore it's very important to study the impact of Pandemic on such sector to overcome with the loss and to deal with supply chain management in Pandemic to avoid Future loss. The study of impact of covid-19 on Transportations and Logistics may help to manage the possibilities of economic fluctuation i.e. need of transportations and logistics for proper Supply chain as per the demand of goods and Services in future.

➤ **OBJECTIVES OF THE RESERCH:**

- To study the impact of Covid -19 on transportation Industry
- To study the impact of Covid-19 on Logistics Industry.
- To study the effects on supply chain management of Logistics
- To know the factors affecting the Transportation and Logistic Industry in Pandemic

- To study the changes in said Industry due to Pandemic

EED FOR STUDY:

In recent years many countries are being developing countries which results in rapid growth and price stability, which has devised a policy as a policy controlled expansion. The study of monetary policy reforms may need to manage economic fluctuation i.e. need to achieve low and stable inflation.

➤ RESEARCH METHODOLOGY:

Data source: the study is based on-

Secondary data-: The related data has been collected from Published articles, journals and reports available on various websites for statistical data.

IMPACT OF COVID-19 ON TRANSPORTATION AND LOGISTIC:

As we know there are various modes and methods used by Transportation and Logistics Industries to maintain proper supply chain. The number of modes of Transportation and logistics Industries are having its own advantages and disadvantages which stated air road and marine transportation dependence on the various factors which are highly affected by pandemic and results into negative impact on all those modes of transportation.

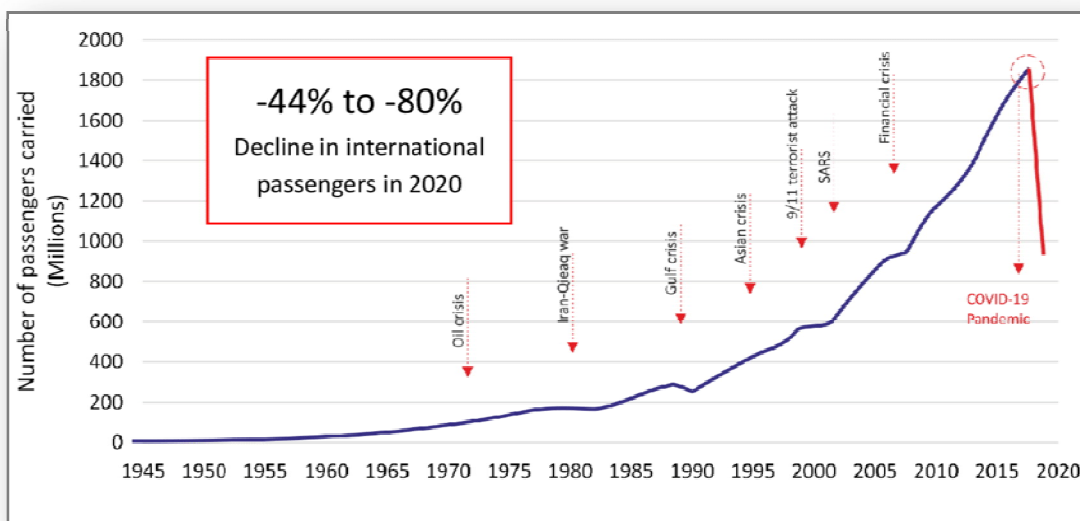
The following are the modes which are highly impacted due to outbreak of Covid -19 in Transportation and logistics Industry.

Impact on Air transportation:

Travel restrictions and shutdown of borders have reduced the mobility of individuals across the globe and create negative impacts which has propagated to numerous industries the aviation industry is one them which hits the high loss. Not only restriction on borders of nation but the restrictions on intercity travel and movements within and across the regions have been significantly affecting transport activities

The airline industry has been especially hard hit as air travel continues to face loss due to flight cancellations and capacity reductions. The airline industry has experienced a decrease in capacity by 60–80% at major carriers which cost huge loss to the airline industry due to pandemic across the world.

If we refer the data stated in ICAO Air Transport Reporting Form A and A-S plus ICAO estimates. We are able to know the World passenger traffic collapses with unprecedented decline in history, which is as follows



The data states as per in ICAO Air Transport Reporting Form A and A-S plus ICAO estimates shows the reduction of Passenger in 2020 as compared to previous decades where it indicated since 1945 there is growth in international passengers which is declined rapidly in the pandemic of Covid -19 from -44% to 80% which is the highest declined in the international passengers movement by air travel.

Global impact of COVID-19 on aviation:

In overall manner, outbreak of pandemic impacted on aviation in negative manner, it found that an overall reduction of air passenger ranging from 35% to 65% in 2020 compared to 2019 prescribed by ICAO, AS per ACI, on Airports an estimated loss of over 50% of passenger traffic and 57% or over USD 97 billion Airport revenues in 2020 compared to business as usual result into huge loss of world economy during pandemic.

Impact on Sea Transport:

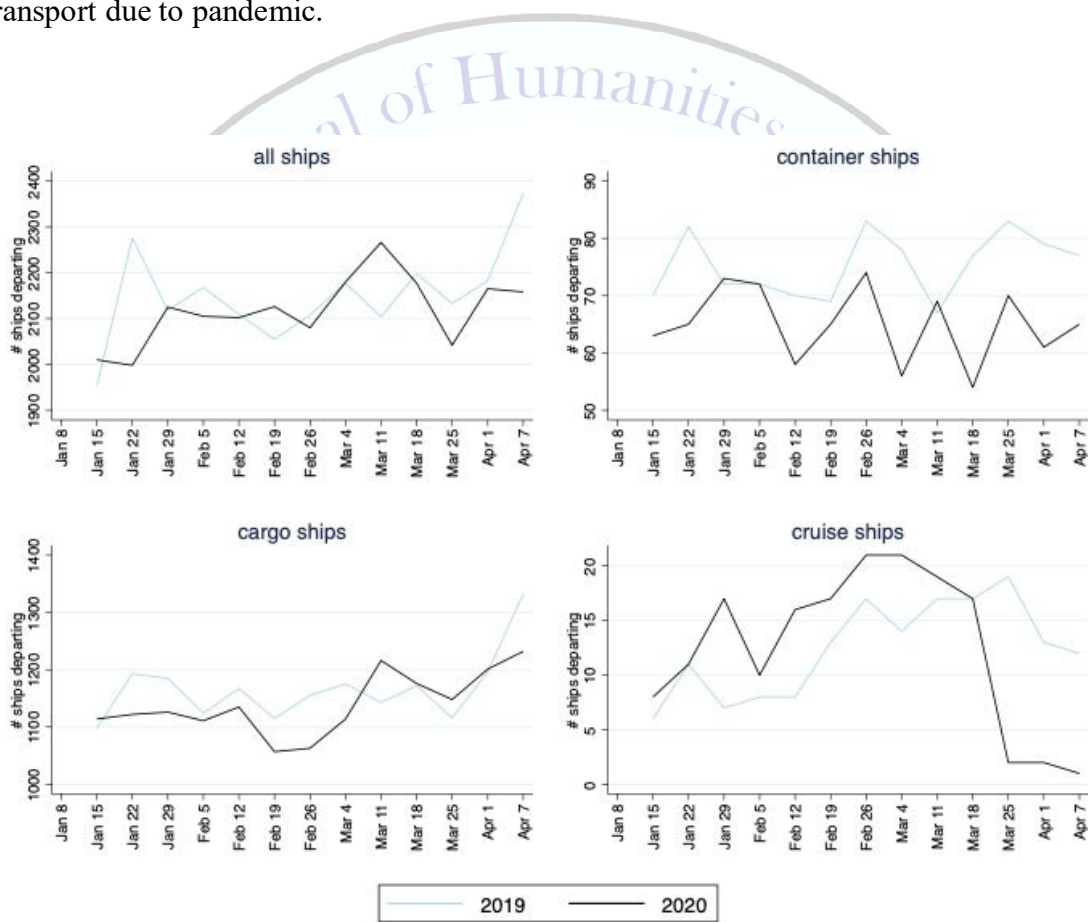
The pandemic of COVID-19 has imposed major restriction on travelling activities which create difficulties on the settlement of such time period as the vessels are restricted and prohibited from entering on ports of certain countries forcing them to be on territorial waters for an extended period of time forcing them to be a party to pay additional costs due to covid-19 pandemic.

In this pandemic due to prohibition and restrictions, vessels have become ‘floating quarantined zones’, as many countries refuse to allow entry of ships to enter the ports until the crew of ships has been declared virus-free after quarantine time. In most of the countries across the globe, the normal quarantine time mentioned is 14 days. As per the data, On 16 April 2020, there were 14,851 cargo ships on their way around the world. And only one-third of all those ships were on

voyages estimated to take 14 days or more. Hence, it results into severe impact on the transportation and logistics supply change of goods.

Satellite data about the impact of COVID-19 on sea transport:

To discuss the fact of evidence on cancelled – blanked – sailings and disruptions to the maritime transportation, we can refer the satellite data for ship traffic provided by the Norwegian Coastal Administration in real time to know the impact of the COVID-19 outbreak and the restrictions imposed to reduce the transmission of covid-19, which helps to know the fact for decline of sea transport due to pandemic.



The given statistical data helps to compare the impact of Pandemic on sea transportation in year 2019 and 2020, due to pandemic the transportation by sea has been reduced in year 2020 as compared to year 2019. As per data, in the month of March and April the Transportation activities are in increasing flow but as compare to cargo ship and container ships which are again increasing their movement the cruise ships are facing difficulties to overcome the pandemic and declined in movement.

Impact on road transport and rail transport:

Due to pandemic, closed borders and sanitary measures forced a nearly-complete halt to intra-region mobility and passenger services which impacted on passenger travel by rail and road

transportation.

Also covid-19 impacted on freight by road and rail transport, in case of Land transport, it has been subjected to disruptions and slowdowns, due to factors like border controls for sanitary measures and driver's unavailability.

In case of Freight by rail, traffic situation is fluent in various countries border to crossings out, according to data available. Some countries have established green lanes to ensure faster clearance of medicines, food, relief and essential supplies. Rail transport is provided Extra priority for supply of goods such as medical supplies related to COVID19 pandemic. While green signal for rail transport the specific care for attendants are subject to health check at many borders. Transit is mostly fluent without additional checks but with a health check of attendants.

As compared to freight by air and sea transport which is impacted in negative way, while rail freight benefited from extra capacity .but Rail freight also face various challenges, especially related to the slowdown in industrial output. But it recovers from challenges due to various countries allowed for railway transport and it has provided the supply of essential at bulk in shorter period of time, results into assurance to the manufacture to retailer for delivery of their goods in pandemic.

Impact of covid-19 on logistics:

The crises raised due to pandemic affected the human life and all forms of transport includes all modes of transport such as public ,private transport from cities to cities by bus, cars, planes and by rail within the cities, nation and at international level has been restricted for movement and prohibited. As per available data global transport movement was almost 50% below 2019 average by end of the march 2020 and in case of commercial air activities almost 75% below 2019 by mid of April 2020, which results into the loss in the supply of manufacturing units due to delay in delivery as well as unavailability of factors like human resource. Due to pandemic the government of various countries focused to stop and control the community transmission of Covid-19 so severe damage can be restrained, but the restrictions on movements due to dynamic transmission of corona virus leads to face the various challenges. Such as unavailability of clinical cure and delay in developing vaccine make worse situation to deal, especially when around half of the globe has enforced lockdown to control the fatalities and loss of physical health and nearly 2.6 billion People have been Home quarantine in countries like India, U.S.A, South Africa, Philippines etc along with other European countries in the month of March and April in 2020, As a result of lockdown it gives rise for shortage of material, goods and essentials due to unavailability of human resources and cause for logistic

Disruption:

Due to lockdown all interrelated supply chain networks and logistic activities has been restricted which is adversely affected on economy across the world.

Logistics Industry helps to connect firms to markets place through supplying various services, including multimodal transportation, freight forwarding, warehousing, and inventory management. They plays significant role in manufacturing across the world.

Today's global Supply and value chains require greater recoveries and efficiencies in the flow of goods between and within countries. It can be help to achieved recoveries by firms outsourcing their logistics functions to third-party logistics services providers, especially those with integrated, end-to-end solutions capabilities. Due to lockdowns and restriction and closure are effected and restricted the movement of goods. All safety measure protocols applied in time.

Due to slowdown of Transportation the operational constraints are results to delay in supply on said time caused for raise in the freight rates. Unavailability of transport facility cause delay in supply, it cause for loss of goods in bulk results to fall of supply chain management.

Conclusion:

As a result of Pandemic ,Novel corona Virus affected adversely not only on transportation and logistics, but also impacted on trade , economy and hike of prices and demand, due to uncertainty and fear of unavailability of material make imbalance in supply chain networking and management results into loss for maximum sectors of trade and commerce included transportation and logistics. Most of the revenue making sectors are shutdown for longer period of time because of lockdown, approx 60-80 percent business activities are impacted in negative manner, Now each and every country across globe are trying to recover from loss and taking measures to deal with pandemic situation.

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