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Study of Dholera Special Investment Region

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ABSTRACT

This study examines the issues faced by Gujarat, India's Dholera Special Investment Region (DSIR) as it transitions to an entrepreneurial urbanization paradigm. The main focus of the study challenge is to comprehend the development trajectory of DSIR, specifically with respect to industrial expansion and sustainable urbanization, while tackling problems like land acquisition disputes and delays in infrastructure. The study uses a mixed-method approach, drawing on secondary literature analysis, industry reports, and direct data from governmental sources. It looks at the beginnings of DSIR, its growth plan, its corporate directional approach, and the wider socioeconomic effects of its evolution. The primary conclusions point to a paradigm shift toward a "entrepreneurial urbanization" model that is driven by funding from the private sector and government assistance. However, obstacles like property disputes and delays in infrastructure provide serious obstacles to the advancement of DSIR.

Keywords: Dholera, Investment, Gujarat

CHAPTER 1: INTRODUCTION

The Dholera Special Investment Region (DSIR) is a shining example of India's aspirational goals for urbanization and economic expansion in the twenty-first century. DSIR is a prime example of the government's proactive strategy to promoting industrialization, infrastructure development, and sustainable urbanization. DSIR is a greenfield industrial city planned, developed, and managed by a special purpose vehicle (SPV) called Dholera Industrial City Development Limited (DICDL), which was formed by the Government of India (NICDIT) and the State Government (DSIRDA)¹². It is located in the dynamic state of Gujarat. DSIR, positioned as a pivotal hub within the vast Delhi-Mumbai Industrial Corridor (DMIC) initiative, signifies a fundamental transformation in India's economic terrain. Its objective is to utilize its advantageous location, resilient infrastructure, and inventive policies to stimulate industrial expansion and draw in both local and international capital³.

CHAPTER 2: BACKGROUND

The inception of DSIR can be traced back to the visionary Gujarat Infrastructure Development Board (GIDB) and the combined efforts of the Gujarati government and other stakeholders to unleash the economic potential of the region. Situated between Ahmedabad and Vadodara, the industrial hubs of

¹ 'Dholera Solar Power Plant | Big Investment in Dholera SIR Project' accessed 21 April 2024">https://www.smart-homes.in/dholera-solar-power-plant/> accessed 21 April 2024.

 ² User, S. (no date) *Dholera, Special Investment Region, www.nicdc.in.* Available at: https://www.nicdc.in/index.php/delhi-mumbai-industrial-corridor-dmic/dholera-special-investment-region-gujarat.html (Accessed: 19 April 2024).
³ 'Dicdl About Us | Dholera' < https://dholera.gujarat.gov.in/about us> accessed 21 April 2024.



Gujarat and Delhi, DSIR occupies an area of over 903 square kilometers in the Gulf of Khambhat region. It is ideally situated along the Delhi-Mumbai Industrial Corridor. This excellent position makes DSIR an even more alluring place for investments because it's close to important cities and ports and acts as a gateway to international trade routes⁴ The Objective of DSIR is to contribute to India's goal of socio-economic development by increasing exports, foreign investment, increasing innovation, industrialization and promoting sustainable urbanization.

CHAPTER 3: VISION

To build a cutting-edge, green field, smart industrial city that is socially and economically balanced, has world-class infrastructure, and maintains a high standard of living that is sustainable and green⁵.

CHAPTER 4: MISSION

- 1. To build a centre for global manufacturing.
- 2. To build a smart city of the future by implementing a sustainable strategy across all essential elements.
- 3. Provide both skilled and unskilled workers with jobs.
- 4. To encourage ease of conducting business and foster an atmosphere that is conducive to business⁶.

CHAPTER 5: STRATEGIC PLANNING

5.1 ENVIRONMENTAL SCANNING

EVENTS

- 1. **Project Inception:** India's ambitious plan to build many smart cities and industrial corridors to promote economic growth and urban development included the Dholera project in its conceptualization⁷.
- **2. Land Acquisition:** The government has started acquiring land under Special Investment Region Act. However, there are still certain controversies related to such acquisitions⁸.
- **3. Infrastructure Projects:** Variety of infrastructure projects such as construction of a four-lane highway between Ahmedabad and Dholera, Greenfield Airport, Railway connectivity have either been initiated or completed⁹.

⁴ 'Ref 3 SM'.

⁵ 'Home | Dholera' <https://dholera.gujarat.gov.in/#> accessed 21 April 2024.

⁶ ibid.

⁷ 'Government Plans Industrial Corridors, Smart Cities to Boost Manufacturing - The Economic Times' accessed 21 April 2024.

⁸ 'Dholera SIR Land Acquisition: Gujarat HC Seeks Explanation from Govt | Ahmedabad News - Times of India' https://timesofindia.indiatimes.com/city/ahmedabad/dholera-sir-land-acquisition-gujarat-hc-seeks-explanation-from-govt/articleshow/67338477.cms> accessed 21 April 2024.

⁹ 'Dholera Smart City - SmartHomes No.1 Real Estate Developer In Dholera SIR' https://www.smart-homes.in/> accessed 21 April 2024.



TRENDS

Industrialization: An industrialization tendency is being observed by the Dholera project, with an emphasis on luring technology, manufacturing, and logistics firms to establish operations in the area¹⁰.

- (1) Smart City and sustainable development: DSIR has prioritized a number of green initiatives including sustainable urban planning. It has prioritized trash management, water conservation, and renewable energy sources. The city wants to leave as little carbon imprint as possible. DSIR will include initiatives like green building, 100% waste management and water treatment facilities, land use planning, sustainable eco-transport and mobility, renewable energy generation and utilization, and much more in order to reach a net zero environmental effect¹¹.
- (2) **Real Estate Growth:** Dholera is one of the busiest foundations for real estate development. The project's goal is to urbanize the city by building cutting-edge, contemporary homes and offices¹².
- (3) International Collaborations: Increasing cooperation to take advantage of knowledge and investment in the project from foreign partners and investors, including nations like Singapore, Japan, and the United Arab Emirates. The Japan International Cooperation Agency (JICA) and the Japan Bank for International Cooperation (JBIC) are investing 4.5 billion dollars in the Delhi-Mumbai Industrial Corridor project. Japan owns a 26% share in the project, of which this investment is a part of the first phase¹³.

ISSUES

- (1) **Delays:** Although there has been progress, there have been setbacks in finishing infrastructure projects like the road networks and airport, which may affect the overall development speed.
- (2) Land Acquisition challenges: For DSIR, land acquisition is a huge issue as the farmers are not satisfied with the compensation and the jobs offered to them.
- (3) **Financial constraints**: It is still difficult to get long-term investment and sufficient funding for infrastructure development, especially when competing priorities and economic uncertainty are involved.

EXPECTATIONS

(1) Economic growth: DSIR is expected to boost the economic growth and overall development of Gujarat as well as India.

¹⁰ 'Semiconductors Are India's Leap into Fourth Industrial Revolution - Nagaland Post' https://nagalandpost.com/index.php/2024/03/15/semiconductors-are-indias-leap-into-fourth-industrial-revolution/ accessed 21 April 2024.

¹¹ 'Dholera Smart City - Sustainable Green Eco System' https://www.dholera-smart-city-phase6.com/blog/dholera-smart-city-sustainable-green-eco-system> accessed 21 April 2024.

¹² 'Dholera Smart City Gujarat | DMIC Projects | Property Schemes in Dholera SIR' https://www.ctdevelopers.in/ accessed 21 April 2024.

¹³ 'DHOLERACITY | Japan Invests USD. 4.5 Billion in DMIC Project' https://dholeracity.in/web/Japan-Invests-USD.-4.5-Billion-in-DMIC-Project-June-2019.html accessed 21 April 2024.



- (2) **Investment flows:** Given the project's advantageous location and the backing of the government, there are strong expectations for drawing sizable investment inflows from both domestic and foreign sources.
- (3) **Sustainability:** It is anticipated that the project will place a high priority on environmental preservation and sustainability, serving as a model for other urban development initiatives in India and abroad.

Capability Factors	Nature of Impact	Competitive Strengths/Weaknesses
	Critical for operational efficiency and attracting investors	Significant funding for the development of infrastructure and project implementation is guaranteed by the central government and the Government of Gujarat's strong financial assistance. (Strength)
Finance		
		Tax breaks, subsidies, and low-interest loans are examples of enticing investment incentives that promote private sector investment and boost economic activity. (Needs monitoring)
		Possibilities for Public-Private Partnerships (PPPs) in infrastructure projects offer access to extra funding sources while dividing responsibilities and risks between the public and private sectors. (Needs Improvement)
Marketing		With an emphasis on its advantageous business climate, modern infrastructure, and strategic location, Dholera is positioned as a top investment destination. (Strength)
		Raising awareness and drawing investors from important foreign markets are achieved through focused marketing campaigns and participation in international trade shows and investment summits. (Strength)
		Investment potential in particular industries, such manufacturing, logistics, renewable energy, and technology, are highlighted by tailored marketing tactics. (Strength)
Operations	Impacts efficiency, accuracy, and client satisfaction	The prompt execution of infrastructure projects, including those related to roads, utilities, and airports, guarantees seamless

5.2 STRATEGIC ADVANTAGE PROFILE (SAP)



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		functioning and expedites commercial endeavors.(Needs improvement)
		Businesses operating in Dholera can cut costs and increase their competitiveness by optimizing the flow of goods and services through effective supply chain networks and logistics. (Strength)
		In Dholera, using smart city solutions and cutting-edge technologies improves resource management, operational effectiveness, and service delivery. (Strength)
Personnel		The goal of working with educational institutions and vocational training programs is to create a workforce that is skilled and suited to the demands of Dholera's industry. (Needs monitoring)
		Well-being programs support workers' health, safety, and welfare while raising morale and productivity levels at work. (Needs improvement)
Information	Quality data and information are vital for decision making	Government organizations, corporations, and investors may make well-informed decisions by having access to real-time data and analytics, which optimizes resource allocation and investment strategies. (Strength)
		Strong cybersecurity procedures protect digital infrastructure, vital systems, and sensitive data from cyberattacks and breaches. (Critical)
General Management	Strong leadership is essential for strategic direction	Dholera's sustainable development and expansion are guided by strategic initiatives, thorough master planning, and long-term vision. (Strength)
		In general management techniques, innovation, efficiency, and quality are driven by an emphasis on ongoing learning, feedback mechanisms, and performance evaluation. (Strength)

5.3 ETOP ANALYSIS

Environmental Opportunities:

(1) **Industrial growth:** An industrial park is also being developed in the heart of DSIR which attracts investments from domestic as well as international companies.



- (2) **Increase in exports:** Industrial growth, Strategic location and excellent connectivity of DSIR is expected to increase exports more and more.
- (3) **Real estate development:** Townships are being developed in DSIR and sustainable urbanization planning is making the place fit for people to live and is all set to increase the living standards.
- (4) **Tourism:** Dholera is also home to lots of historical places. This will also attract tourist and so the hospitality industry in Dholera is also developing at a great pace.

Environmental Threats:

- (1) **Political Instability:** Risks of political unrest at the state or federal levels, which could cause ambiguity in policy and impede the execution of projects. This is because of difference of opinion of the leading political party and the opposition with respect to the project.
- (2) **Vulnerability**: Risks associated with natural disasters include the potential for earthquakes or floods, which could demolish infrastructure and cause disruptions to business operations.
- (3) Market Stability: Tensions both domestically and internationally that cause market instability can influence an investor's choice and cast doubt on the project's viability.

5.4 CONSOLIDATED SWOT ANALYSIS STRENGTH

- (1) **Strategic Location:** With its advantageous location along the Delhi-Mumbai Industrial Corridor (DMIC), DSIR has easy access to ports and international trade routes in addition to being close to important cities like Ahmedabad and Vadodara. It even has its own Airport which is located at a distance of 80ks from Ahmedabad and is going to be one of the largest airports of Gujarat¹⁴. Its position makes it more appealing as a place to invest¹⁵.
- (2) Government Support: The government has provided an initial support of Rs. 3000 Crore for this project¹⁶. The Gujarat government has allocated significant amount of Rs. 122.26 Cr for development of the Dholera airport in fiscal year 2024-25¹⁷Moreover, Dholera provides a range of tax breaks and incentives to entice investors. These considerably lessen the financial strain on businesses and include income tax exemptions for a set period of time as well as GST exemptions for particular industries¹⁸ The Dholera SIR has a single-window clearance system that is both effective and efficient. This cuts down on red tape, expedites the licensing and permit procedure, and enables companies to launch their operations right away¹⁹. The state government of Gujarat

¹⁴ 'Home - Dholera Project' <https://dholeraproject.com/> accessed 21 April 2024.

¹⁵ 'Dholera Special Investment Region, Gujarat' https://www.nicdc.in/index.php/delhi-mumbai-industrial-corridor-dmic/dholera-special-investment-region-gujarat.html accessed 21 April 2024.

¹⁶ 'Home - Dholera Project' https://dholeraproject.com/ accessed 21 April 2024.

¹⁷ 'Gujarats 2024 Budget Allocates Huge Funds for Dholera Airport Project - Dholera Prime' https://www.dholeraprime.com/gujarats-2024-budget-allocates-huge-funds-for-dholera-airport-project/ accessed 21 April 2024.

¹⁸ 'Investor-Friendly Policies in Dholera: A Catalyst for Gujarat's Growth' https://dholeraland.com/investor-friendly-policies-in-dholera/ accessed 21 April 2024.

¹⁹ ibid.



aggressively supports Dholera enterprises. Frequent communication, investor gatherings, and business-friendly regulations create an atmosphere that allows companies to grow confidently²⁰

- (3) Infrastructure Development: DSIR is experiencing considerable infrastructure development, which includes the construction of world-class utilities, transit networks, industrial parks, and social facilities. This powerful infrastructure backbone improves the region's industrial competitiveness and livability. Infrastructure such as a four-labe expressway between Ahmedabad and Dholera is expected to be completed and read to use in 2024. A metro rail with a multi-modal transport system including regional goods corridor, public transport corridor, internal transport, BRT and Mass rapid transport is also beig developed²¹ReNew Power, a prominent developer of renewable energy parks, is constructing a 100-acre manufacturing complex for solar modules and cells. According to the government, Torrent Power has established a power distribution network in Dholera to satisfy the needs of the industrial area²²Over 8,500 hectares of land in the DSIR Coastal Regulation Zone have been designated for the construction of a solar park. In Dholera SIR, there are several residential townships spanning 500 acres of land²³.
- (4) Sustainable Development: DSIR has put emphasis on Sustainable urban planning and various green initiative. It has put focus on renewable energy sources, water conservation as well as waste management²⁴The city aims on having minimum carbon footprint. In order to achieve a net zero environmental impact, DSIR will incorporate activities such as green buildings, 100% waste management and water treatment facilities, land use planning, sustainable eco-transport and mobility, renewable energy generation and usage, and much more²⁵The 4400MW Solar Park project at Dholera is expected to revolutionize the nation's energy production landscape and contribute to the achievement of the 250 GW renewable energy generation target by 2030²⁶

WEAKNESS

(1) Land disputes: DSIR will lead to growth and prosperity however not everyone agrees to this. It is argued that the project will destroy lives of 11,000 residents of that place. The farmers of the region opposed for this. Pradhyumna Singh who is the president of Bhal Bachao Andolan says that, "Rehab and compensation are nonexistent concepts in SIR Act. They only want to remove

 $^{^{20}}$ ibid.

²¹ 'First Phase of Dholera Smart City Nearly Fully Completed: Officials, ET Infra' https://infra.economictimes.indiatimes.com/news/urban-infrastructure/first-phase-of-dholera-smart-city-nearly-fully-completed-officials/106115674> accessed 21 April 2024.

²² 'Dholera Industrial Smart City Nears Completion, Set to Drive Global Investments' https://ipfonline.com/news/detail/industrynews/dholera-industrial-smart-city-nears-completion-set-to-drive-global-investments/15062> accessed 21 April 2024.

²³ 'Dholera Smart City Projects' https://www.dholera-smart-city.com/ourprojects.html accessed 21 April 2024.

²⁴ '(17) Dholera Smart City Project: An Envision of a Sustainable, Futuristic Urban Hub | LinkedIn' https://www.linkedin.com/pulse/dholera-smart-city-project-envision-sustainable-urban-dholera-u2lsf/> accessed 21 April 2024.

²⁵ 'Dholera Smart City - Sustainable Green Eco System' https://www.dholera-smart-city-phase6.com/blog/dholera-smart-city-sustainable-green-eco-system> accessed 21 April 2024.

²⁶ 'Dholera SIR India's Greenfield Smart City Leading in Sustainable Development' https://www.ethereuminfracon.com/dholera-sir-indias-greenfield-smart-city-leading-in-sustainable-development/7> accessed 21 April 2024.



half of our land without paying us anything, and the other half will be given to us in places that aren't suitable for farming.²⁷"

- (2) The people of that region are of opinion that the government is taking away their land and giving no compensation. The jobs they are offering are not feasible as there is no education in that area. However, agriculture can be done by everyone but that educated or not.
- (3) Skill Gap: The labour available in that area in not skilled. Training and development of these labourers will require ample amount of resources.
- (4) **Competition:** Competition from nearby states and other industrial areas in Gujarat means that differentiating techniques are needed to draw in investment.

OPPORTUNITIES

- (1) Industrial growth: By 2030, smart city Dholera is expected to require more than 9,500 hectares of industrial area overall. Thus, in the center of DSIR, which is to be situated 100 kilometers south of Ahmedabad, the central government has planned to establish a number of giant industrial parks²⁸. This will promote the Make in India initiative as well as Startup India initiative. Companies like Adani, Tata, L and T, Essar, Mahindra, Suzlon Group etc are some of the major companies investing in the project and establishing their presence in the city²⁹
- (2) Increase in exports: DSIR is a hub of multiple industries with connectivity to different cities and states and different nations as well via ports and flights. As a result of this DSIR will be an Export hub and increase the exports by atleast 4 times of that area.
- (3) **Real estate development:** One of the most active foundations for real estate development is Dholera. The project aims to urbanize the city by constructing high-tech modern residences and workplaces³⁰ Purchasing residential plots in Dholera SIR offers a profitable chance to earn rental income and capital appreciation. Investment is expected to increase dramatically as the city expands and demand rises, resulting in long-term financial stability and wealth development³¹
- (4) **Tourism:** The alluring dualism of Dholera holds the key to its tourism potential. The archeological sites inside the city limits will fascinate history aficionados, whispering tales of medieval settlements and the Indus Valley civilization³². The city is gearing up to provide a wide array of tourist activities, from hotels to sports complexes and eco-tourism destinations. Nature lovers and animal aficionados can find a peaceful haven in the region's stunning natural surroundings, which include the Velavadar Blackbuck National Park and picturesque vistas. Many

²⁷ 'Gujarat Elections: Modi's Dholera Dream Is a Tale of Delay, Progress and Resistance - Hindustan Times' <<u>https://www.hindustantimes.com/assembly-elections/gujarat-elections-modi-s-dholera-dream-is-a-tale-of-delay-progress-and-resistance/story-HKH2aY9U8BprFx4u2F1WbP.html> accessed 21 April 2024.</u>

²⁸ 'Dholera SIR Mega Industrial Park' https://www.dholera-smart-city-phase2.com/dholera-industrial-park.php accessed 21 April 2024.

²⁹ 'Which Companies Are Investing in Dholera SIR? – Invest in India' https://smartcities.video.blog/2023/05/20/which-companies-are-investing-in-dholera-sir/ accessed 21 April 2024.

³⁰ 'Dholera Smart City Gujarat | DMIC Projects | Property Schemes in Dholera SIR' https://www.ctdevelopers.in/ accessed 21 April 2024.

³¹ (17) Discover the Unmatched Potential of Dholera SIR for Real Estate Investment | LinkedIn' <<u>https://www.linkedin.com/pulse/discover-unmatched-potential-dholera-sir-real-estate-dholera-u18kf/> accessed 21 April 2024.</u>

³² 'Dholera's Tourism Potential: Unlocking Hidden Gems and Future Experiences | by Darshan Bhatt | Feb, 2024 | Medium' <<u>https://medium.com/@darshan.bhatt32/dholeras-tourism-potential-unlocking-hidden-gems-and-future-experiences-1ed6a75a3665> accessed 21 April 2024.</u>



cultural and historical monuments, such as the Lothal Archeological Site and the soon-to-be National Maritime Heritage Museum, can be found in Dholera. These locations offer educational opportunities for people of all ages in addition to drawing in history buffs³³ In the SIR region, 228 acres of land have been set aside for tourist and leisure pursuits³⁴

THREATS

- (1) **Political Instability:** Political instability at the centre or the state can either discontinue the project or shake investor confidence. As mentioned earlier, not everyone is of the opinion that DSIR is a step forward towards developed nation. The opposition stands firmly on the farmer's side and has said that if they win elections, the matter will be addressed within a period of one week.
- (2) **Vulnerability**: Natural disaster risks include the possibility of earthquakes or floods, which could destroy infrastructure and interfere with corporate operations.
- (3) Market Stability: Global tensions leading to market unstability can affect the investor's decision as well as question the feasibility of the project.

CHAPTER 6: CORPORATE DIRECTIONAL STRATEGY

6.1 GROWTH STRATEGY

- (1) Strategic Infrastructure: In order to support industrial activity and urban development in Dholera, DICDL gives priority to the development of strategic infrastructure, including as roads, utilities, transportation systems, and digital connection. This entails organizing, funding, and carrying out infrastructure improvements that improve efficiency, accessibility, and connectivity. An essential piece of infrastructure for the development of Dholera's economy and trade is the airport. The Dholera SIR is connected to Ahmedabad, Bhavnagar, and Mumbai via NH 8. In addition to the connections between Bagodra and Bhavnagar and Bagodra and Surendranagar and Radhanpur, Dholera itself has good connectivity with NH 8 (Anand) and 8A (Bagodra)³⁵. It is suggested that the port location be connected by road to the Ahmedabad-Bhavnagar highway, which is roughly 11 kilometers away. A port development project was assigned about 2,057 hectares of government land. A rail connection is proposed for Dholera; Tarapur (103 km) is the closest broad gauge station, and Bhavnagar (34 km) is the nearest meter gauge connection³⁶
- (2) Industrial Growth and Investment promotion: Within Dholera, DICDL assists in the establishment of business clusters, industrial parks, and special economic zones (SEZs) to support a variety of sectors, encourage cooperation, and advance economies of scale. This entails giving industrial investors and renters access to land, utilities, and infrastructure support. Adami Group is planning to invest Rs 80,000 crore in Dholera. They have acquired land in Dholera to build multimodal logistics hubs and logistics parks, enhancing the area's capacity for trade and transportation. Tata Housing, a division of the Tata Group, is actively working on aeronautical and

³³ 'Tourism Prospects in Dholera - Mirrikh Infratech Pvt. Ltd.' https://mirrikh.com/tourism-prospects-in-dholera/ accessed 21 April 2024.

³⁴ 'Dholera SIR's Hospitality Sector Gets a Boost' https://www.prnewswire.com/in/news-releases/dholera-sirs-hospitality-sector-gets-a-boost-301882072.html accessed 21 April 2024.

³⁵ 'Dholera Location, Road & Rail Connectivity' https://www.dholera-smart-city-phase2.com/location-connectivity.php accessed 21 April 2024.

³⁶ 'Dholera SIR: Highly Location Connectivity Region to Other City & State' https://www.dholera-smart-city.com/location-connectivity.html accessed 21 April 2024.



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solar power projects in the Dholera SIR, making use of their experience and well-known brand³⁷In order to assist Dholera's sustainable development objectives and add to its infrastructure for renewable energy, Essar Group is investing in the establishment of a solar power plant in the area³⁸. With an emphasis on the manufacturing of aluminum products, the Vedanta firm is aggressively building a massive aluminum park in Dholera. DSIR will host the first semiconductor factory to be established in India, according to a Vedanta-Foxconn announcement³⁹.

(3) Environmental Sustainability: By implementing eco-friendly building standards, renewable energy sources, and eco-friendly behaviors in Dholera, DICDL is dedicated to advancing environmental sustainability. This entails integrating ecological restoration, green space creation, and biodiversity preservation into urban development and planning. In order to limit garbage production, encourage recycling, and lessen environmental contamination in Dholera, DICDL employs waste management techniques. This entails creating recycling facilities, public awareness campaigns, and integrated waste management systems. Dholera Smart City is working to lower its carbon footprint and enhance air quality by supporting eco-friendly mobility choices. Public transit, including as buses, metro trains, and bicycle infrastructure, will be given priority by the city in an effort to encourage citizens to choose eco-friendly commuting methods rather than driving their cars⁴⁰. Carefully woven into the urban fabric, green spaces make up thirty percent of the total area. Water treatment facilities, canal networks, and rainwater collection systems guarantee effective use and low waste. The man-made creek functions as a focal point for collecting and treating water and is aesthetically beautiful as well⁴¹.

Sr	Nature of	Name of	Review	Research Gap	Intended
no.	Literature	Literature			Research
1	Decemb	Dholono Smort	This study looks at	This research study	This research
1.	Research		This study looks at	•	
	Paper	City: Urban	1		paper has
		Infrastructure or	Investment Region	drawbacks of land	concentrated
		Rentier Growth?	that is now being	purchase and	more on the
			developed in Gujarat	pooling. This essay	project's
			along the Delhi-	critiques the project	drawbacks. My
			Mumbai Industrial	and discusses its	study in this field
			Corridor. It examines	drawbacks in detail.	has highlighted

CHAPTER 7: LITERATURE REVIEW

³⁷ 'Dholera Solar Power Plant | Big Investment in Dholera SIR Project' (n 1).

³⁸ 'Essar: Essar to Invest \$6.6 Billion in Power, Port Projects in Gujarat - The Economic Times' https://economictimes.indiatimes.com/industry/energy/power/essar-to-invest-6-6-billion-in-power-port-projects-in-gujarat/articleshow/105991907.cms?from=mdr> accessed 21 April 2024.

³⁹ 'Vedanta-Foxconn Selects Dholera SIR for First Semiconductor Facility in India | Mint' <<u>https://www.livemint.com/companies/news/vedanta-foxconn-selects-dholera-sir-for-first-semiconductor-facility-in-india-11676937485881.html> accessed 21 April 2024.</u>

⁴⁰ '(17) Dholera Smart City: Championing Sustainability and Eco-Friendliness | LinkedIn' https://www.linkedin.com/pulse/dholera-smart-city-championing-sustainability-tatvam-realty-dholera-jcedf/> accessed 21 April 2024.

⁴¹ 'Dholera's Sustainability Roadmap: Balancing Growth with Green Practices | by Darshan Bhatt | Medium' <<u>https://medium.com/@darshan.bhatt32/dholeras-sustainability-roadmap-balancing-growth-with-green-practices-067053ce7160> accessed 21 April 2024.</u>



	the	political	The growth of smart	-	oject's
	economics	of the	cities,	advantages,	
	area's	agrarian	industrialization, and	offered	an
	society in lig		sustainable	environmen	t
	projected	rentier	urbanization are not	,	and
	benefits from	-	discussed in the	identified	the
	agricultural	land into	article, though. The	project's	
	a "smart ci	ty." The	progress of the DSIR	drawbacks.	
	study conte	nds that	project and its		
	the predicte	d futures	effects on Gujarat's		
	that mod	or the	and India's economy		
	Dholera sm	nart city	overall are not		
	are precari	ous and	discussed. Analysis		
	rife with co	onditions	such as SAP, ETOP,		
	of resistan	ice and	and SWOT are not		
	overthrow g	given the	performed.		
	low level of	f interest			
	shown in th	e project			
	thus far by r	eal estate			
	developers,	the			
	stagnant				
	manufacturi	ng			
	investments	in the			
	nation, an	nd the			
	ongoing r	esistance			
	by local res	idents. It			
	makes the	case that			
	the project's	"rentier			
	economy" n	night not			
	be able to sa	-			
	needs of mo				
	in term	s of			
	developmen	t,			
	dispossessin	g the			
	vast majo	-			
	peasants fo				
	the	agrarian			
	economy pr	-			
	range of				
	livelihood o				



2. Research Paper	'Entrepreneurial urbanization' in Dholera smart city, Gujarat.	This research examines the adaptation of worldwide smart city models to Gujarat, with a particular emphasis on Dholera. With the goal of addressing development difficulties, it links Dholera's origins to India's post- independence urban planning. Dholera is a representation of Gujarat's transition to an entrepreneurial urbanization strategy, which reflects the state's goal of being a national development model. Local demonstrations are one of the challenges preventing Dholera from developing at a faster pace. The article highlights the inherent problems in Dholera's utopian vision by arguing that its concentration on urbanization as a financial opportunity overlooks social justice considerations.	doesn't emphasize how various companies are attracting investment and developing the industry. It doesn't discuss the DMIC's and the government's plan. It does not analyze the DSIR project's strength, weakness, opportunities and threats. Furthermore, it ignores the difficulties and debates surrounding the project as well as the difficulties the government has in acquiring land, luring in capital, marketing, establishing infrastructure,	This paper has focused on both positive and negative aspects, but it has omitted important details that my research paper added, such as the identities of current and potential investors, the projects being developed and how many phases they are in, their contribution to the economy, etc.



3.	Research Paper	A Review on Dholera Smart City	In essence, this report offers project details. It discusses the several routes to get to Dholera, such as roads, airports, ports, trains, and metro systems, as well as how and when they were constructed, who was working on them, and what businesses were involved. It also discusses the various stages that the city will go through as it develops. It also provides a history of the project and details how it evolved and became significant.	This research study does not analyze the project; it merely provides information. Furthermore, the material provided is extremely constrained and only covers the history and modes of transit to Dholera. It ignores the area's industrial growth, smart city development, sustainable urbanization, and export-related benefits of the project.	The material that has been supplied in this study report is restricted to the means of transportation to Dholera. My study article has expanded on the topic's depth and added in-depth analysis.
4.	Research Paper	Special investment region: case study of Dholera SIR	This essay makes an effort to comprehend the revolutionary governance model— which was used in the creation of the Dholera Special Investment Region—with regard to exclusive planning techniques and	The project's risks and the criticism expressed by different critics are not examined in this paper. It doesn't address the projects' difficulties. There is no analysis like SAP, SWOT, or ETOP in this project.	My study article adds to the controversy surrounding the project and various analyses such as SAP, SWOT, and ETOP.



		private partnerships.	Furthermore, it	
		In the creation of the	makes no mention of	
		Dholera Special	the strategies used	
		Investment Region,	by the government-	
		it examines the role	formed SPV.	
		of speculation and		
		turning the city into a		
		spectacle. Focusing		
		on the convergence		
		of these expansive		
		theories of		
		governance, it		
		examines how the		
		Special Investment		
		Region Act supports		
		the growth corridor		
		initiative and what		
		part the State plays in		
		the planning and		
		implementation of		
		large-scale		
		initiatives. The		
		global circular		
		economy and urban		
		policies that have		
		brought about a		
		paradigm shift in the		
		design and		
		development of		
		cities in the Neo-		
		Liberal Era are		
		reflected in the		
		greenfield project.		
		It looks into how the		
		SIR Act, 2009 may		
		affect a greenfield		
		project in relation to		
		the right to the city. It		
		makes the case that,		
		in the instance of the		
		Special Investment		
		Region, urbanization		
		is viewed as a result		
I	1		1	



		of the revolutionary industrial and economic policies.		
5. Article	e Why Dholera's Farmers Are Resisting Giving Up Their Land For A Shining, Smart City	This article discusses farmers' resistance to the government developing their property for this project. It discusses NITI Aayog's proposal in this regard. It discusses the commodification of land and how it affects people's agrarian livelihoods.	discuss the benefits of development; instead, it focuses solely on the controversy surrounding land acquisition. It omits to address urbanization, the establishment of new	development are covered in my research report. It talks about the development of new industries, the rise in exports, urbanization, and the project's

CHAPTER 8: RESEARCH METHODOLOGY

This study looks at the Dholera Special Investment Region (DSIR) in India using a mixed-methods methodology. This indicates that it uses a variety of data sources and analytic techniques.

Secondary Literature Analysis: To get data on DSIR, the study consults already published articles and documents. These consist of scholarly journals, news pieces, industry reports, and government papers.

Industry Reports: These studies shed light on the commercial and economic environment around the project of Dholera Special Investment Region (DSIR). Direct Information from Government Sources: These data contain investment amounts, demographic information, and plans for infrastructure development.

CHAPTER 9: CONCLUSION

The Dholera Special Investment Region (DSIR) presents a complicated urban development scenario with both considerable obstacles and promising efforts, according to the inquiry conducted there. The shift by DSIR to an entrepreneurial urbanization model highlights how public policy and private investment work together to promote sustainable urban development and industrial growth. But there are several obstacles in the way, such as disagreements over land acquisition and infrastructure constraints, which could prevent



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the project from moving forward. Notwithstanding these obstacles, DSIR is a ray of hope for India's urban development and economic progress. The combination of private sector involvement and governmental backing offers a workable route to achieving challenging development objectives. However, careful consideration must be given to DSIR's growth trajectory's inclusion and sustainability. To conclude, the development journey of DSIR serves as an example of the intricacies present in modern urbanization endeavors. Although the entrepreneurial model is promising, it needs to be supported by strong governmental frameworks that give social justice, environmental protection, and inclusive growth first priority. With the help of focused policy interventions and cooperative stakeholder involvement, DSIR can become a sustainable urban development model, demonstrating India's ability to innovate and advance inclusivity.

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