

## Socio Economic Conditions of Sugarcane Juice Vendor and Domestic Workers in Private Hospital, Madurai

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### Abstract:

Technology developments are growing in a fast way in all business. With small amount capital as seed many business are started and after facing challenges with can be nature few of them are withstand in the market with greater achievement and more profit. In the same way, unorganized sectors also developed and created milestone in each field. But the earning capacity of the workers, family style of the family, basic needs of them is not yet met. Main reason for that it, their works is recognized by their own organization and family members too even though with the support of them only they running their business and leading happy life. at world level Sustainable Development Goals were framed and many countries try their best to implement in their own style. So a researcher, present study was taken to found the Socio-economic conditions of unorganised workers especially Hospital Domestic workers and Sugarcane Juice Vendors.

**Keywords:** Hospital Domestic Workers, Sugarcane Juice Vendors Sustainable Development Goals, Unorganised workers

### INTRODUCTION ABOUT HOSPITAL DOMESTIC WORKERS AND SUGARCANE JUICE VENDORS:

The term unorganized workers mean a home-based worker, self-employed worker or a wage worker in the unorganised sector. So in that article research focused about Hospital Domestic Workers and Sugarcane Juice vendors. Hospital Domestic Workers are responsible for routine cleaning in these environments and work to strict quality and hygiene standards hospital cleaning. Hospital Domestic Workers are faced lot of challenges and to continue in the work.

A Sugarcane Juice Vendor is someone who sells a refreshing drink made from freshly squeezed sugar cane. They usually have a small cart or stall where they operate. They extract the juice by crushing the sugar cane stalks and then serve it in cups or bottles. The sugarcane juice vendor doesn't have the benefits and protections like how the formal employment are enjoying like job security or legal rights. It's important to ensure fair treatment and support for sugarcane juice vendors regardless of their employment status.

**OBJECTIVES OF STUDY:** The objective of the study is to found out the

- socio-economic conditions of Hospital Domestic Workers and Sugarcane Juice Vendors.
- analyse the challenges faced by the Hospital Domestic Workers and Sugarcane juice vendors in Madurai city.
- know how vendors overcome the economic crises raised at the non-seasonal period.

**STATEMENT OF PROBLEM:** A hospital Domestic worker plays a crucial role to maintain the cleanliness and hygiene of the hospital environment, which directly impacts patient health and recovery. But they are facing challenges like Low Wages, Long Working Hours, Lack of Job securities, Limited access of benefits like safety measures. Hospital Domestic workers in private, facing much more like cleaning patient rooms, sanitizing medical equipment, restocking supplies, doing laundry, and maintaining the overall cleanliness of the hospital areas such as corridors, waiting rooms.

Sugarcane juice is a popular and traditional drink enjoyed for its natural sweetness. The major challenges for them are unsanitary working conditions, infrastructure and licenses requirements, no fixed income due to seasonal variations and availability of sugarcane which is the main raw material for the business, weather conditions, heavy competition from packed juice and other beverages. So, the present study was taken by the researcher to found out the socio and economic challenges faced by both Hospital Domestic workers and Sugarcane Juice Vendors and how they are overcoming such challenges to lead their daily life.

**SCOPE OF STUDY:** The study attempted to found out the Problems faced by the Sugarcane cane Juice vendors in their workplace and solutions to tackle those Problems. The vendors will also be made aware of the schemes which will enhance the social economic conditions. The carbonated drinks were earlier consumed comparatively more than sugarcane Juices. Earlier sugarcane Juice vendors were usually found only around bus stops, schools and colleges but now as people are getting health-conscious one can find sugarcane juice vendors in every residential area. The study also finds out how the Sugarcane Juice vendors overcome the raised economic crises during the non - seasonal period. The area of the study: Narimedu, West Masi Street, East Masi Street, South Masi Street, North Masi Street.

The study examined the social and economic well-being of domestic workers, particularly those employed in hospitals. It aims to identify the challenges Hospital Domestic Workers face in their work places and proposes solutions to improve their situation. The research also explores how these domestic workers navigate and overcome the difficulties Hospital Domestic Workers encounter on the job. An important aspect of the study is to raise awareness among hospital domestic workers about programs and initiatives that can improve their socio-economic conditions.

#### CHALLENGES FACED:

Challenges Faced	
Hospital Domestic Workers	Sugarcane Juice Vendors
Lack of Formal Contracts	Seasonal Variation
Low Wages	Equipment Handling
Limited Social Protection	Equipment Maintenance
Informal Work Conditions	Registration Complications
Lack of Representation	Competitions
Shit work	Credit Worthiness

#### SUSTAINABLE DEVELOPMENT GOALS WITH HOSPITAL DOMESTIC WORKERS AND SUGARCANE JUICE VENDORS:

APPLICABLE TO HOSPITAL DOMESTIC WORKERS		
SDG 1	No Poverty	Hospital domestic workers often belong to vulnerable socio-economic groups and may face challenges related to poverty. By addressing SDG 1, this research work can aim to improve the economic well-being of these workers, ensure fair wages, access to social protection, and opportunities for economic empowerment. Empowers hospital domestic workers economically can help lift them out of poverty, improve their overall quality of life and that of their families.

<b>SDG 3</b>	Good Health and Well being	Hospital domestic workers play a crucial role in maintains the cleanliness and hygiene of healthcare facilities, contributing directly to the health and well-being of patients, staff, and visitors. However, these workers may also face health risks due to exposure to hazardous materials, strenuous work conditions, and lack of access to healthcare services. So this research work can focus on ensures occupational safety and health for hospital domestic workers, provides them with necessary protective gear, train on safe practices, and access to healthcare services to promote their well-being.
<b>APPLICABLE TO SUGARCANE JUICE VENDORS</b>		
<b>SDG 3</b>	Good Health and Well being	To promote hygiene and cleanliness in the preparation and serve areas to prevent food borne illnesses and to ensure the quality and freshness of sugarcane juice by use clean and sanitized equipment.
<b>SDG 6</b>	Clean water and Sanitation	The sugarcane juice vendors, goals related to SDG 6 could include, ensuring access to clean and safe water sources for sugarcane juice production and preparation. Implement proper sanitation practices and facilities to maintain hygiene standards in sugarcane juice vending areas.
<b>SDG 8</b>	Decent work and Economic Growth	Many sugarcane juice vendors are small scale entrepreneurs, and creating job opportunities in their communities. By running their business ethically and providing decent working conditions for their employees, they contribute to promoting decent work and economic growth locally
<b>SDG 12</b>	Responsible consumption and Production	Sugarcane juice vendors can promote responsible consumption by maintain waste in their operations. Sugarcane juice vendors can use sustainable materials or encourage customers to use reusable containers.
<b>SDG 13</b>	Climate Action	Sugarcane cultivation and juice extractions processes can have environment impacts. Vendors can adopt energy-efficient practices, Such as using energy equipped and reduce energy consumption in their operations.

#### RESEARCH METHODOLOGY OF THE STUDY:

- **Sampling Technique:** The data is collected using the convenient sampling method.
- **Primary Data:** Structured Questionnaire was framed and the response collected through field study.
- **Secondary Data:** Secondary data was obtained from website and textbooks.
- **Period of Study:** November 2023 – April 2024 (6 months)
- **Areas Covered:** Meenakshi Mission Hospital – Mattuthavani – 35 respondents, AR Hospital – K K Nagar – 20 respondents, Velammal Hospital – Mattuthavani Ring Road – 20 respondents (75)

**Sugarcane Juice Vendor:** B.B kulam (9), Narimedu (8), West Masi Street(16), East Masi Street(11), South Masi Street(14), North Masi Street(17)

- **Total Sample Size:** 150

**Tools for analysis:** Percentage analysis, Correlation and Garret ranking.

## PERCENTAGE ANALYSIS

### AGE OF RESPONDENTS:

Age	No. of Respondents		%	
	HDW	SJV	HDW	SJV
Below 30	19	26	25	35
31 – 50	52	28	69	37
Above 51	4	21	6	28
<b>Total</b>	<b>75</b>		<b>100</b>	

### GENDER OF RESPONDENTS:

Gender	No. of Respondents		%	
	HDW	SJV	HDW	SJV
Male	9	40	12	53
Female	66	35	88	47
<b>Total</b>	<b>75</b>		<b>100</b>	

### EDUCATION LEVEL OF RESPONDENTS:

Educational Qualification	No. of Respondents		%	
	HDW	SJV	HDW	SJV
Illiterate	--	31	--	41
Below SSLC	--	35	--	47
HSC	--	6	--	8
UG Degree	67	3	89	4
PG Degree	8	--	11	--
<b>Total</b>	<b>75</b>		<b>100</b>	

### MARITAL STATUS OF RESPONDENTS:

Marital Status	No. of Respondents		%	
	HDW	SJV	HDW	SJV
Married	69	72	92	96
Unmarried	6	3	8	4
<b>Total</b>	<b>75</b>		<b>100</b>	

#### TYPE OF FAMILY OF RESPONDENTS:

Type of Family	No. of Respondents		%	
	HDW	SJV	HDW	SJV
Joint Family	29	34	39	45
Nuclear Family	46	41	61	55
Total	75		100	

#### HOUSING FACILITY OF THE RESPONDENTS

Housing Facility	No. of Respondents		%	
	HDW	SJV	HDW	SJV
Rental	55	23	73	31
Own	20	28	27	37
Lease	--	24		32
Total	75		100	

#### SIZE OF FAMILY OF THE RESPONDENTS:

Size of Family	No. of Respondents		%	
	HDW	SJV	HDW	SJV
3 members	18	32	24	43
4 to 5 members	50	26	67	35
Above 5 members	7	17	9	23
Total	75		100	

#### WORKING EXPERIENCE OF THE RESPONDENTS:

Working Experiences	No. of Respondents		%	
	HDW	SJV	HDW	SJV
Below 10 years	41	41	55	55
Above 10 years	34	34	45	45
Total	75		100	

#### FAMILY INCOME OF THE RESPONDENTS:

Family Income	No. of Respondents		%	
	HDW	SJV	HDW	SJV
Up to ₹25000	41	34	55	45
Above ₹25000	34	41	45	55
Total	75		100	

#### WORKING HOURS OF THE RESPONDENTS:

Working Hours	No. of Respondents		%	
	HDW	SJV	HDW	SJV
Day shift / within 3 hours	72	1	96	1
Night shift / above 3 and within 5 hours	3	45	4	60
Above 5 hours	--	29		39
Total	75		100	

#### SUGARCANE JUICE VENDORES ANALYSIS

##### AMOUNT SPENT TO RUN A BUSINESS IN A DAY

Amount spent to run a business in a day	Number of Respondents	%
Rs 100-500	36	48
Rs 501-1000	31	41
Rs 1001-1500	8	11
Total	75	100

##### MODE OF MACHINERY PURCHASED

Mode of Machinery Purchased	Number of Respondents	%
Own	57	76
Lease	9	12
Loan	9	12
Total	75	100

##### AMOUNT SPENT TO BUY MACHINERY:

Amount Spent to buy Machinery	Number of Respondents	%
Rs 20000-50000	33	44

Rs 50001-70000	30	40
Rs 70000-150000	12	16
Total	75	100

#### FREQUENCY TO PURCHASE SUGARCANE:

Frequency to Purchase Sugarcane	Number of Respondents	%
Daily	33	44
Weekly	30	40
Monthly	3	4
Based on seasonal variation	9	12
Total	75	100

#### AMOUNT SPENT TO BUY RAW MATERIAL PER MONTH:

Amount Spent to buy raw material Per Month	Number of Respondents	%
Below Rs 1000	30	40
Rs 1001-2000	19	25
Rs 2001-3000	20	27
Above Rs 3000	6	8
Total	75	100

#### MODE TRANSPORTING SUGARCANE TO BUSINESS PLACE:

Mode of Transporting	Number of Respondents	%
On own	34	45
Tricycle	20	27
Auto/ rickshaw	19	25
Direct Deliver to the shop	2	3
Total	75	100

#### TRANSPORTATION EXPENSES PER MONTH:

Transportation Expenses (Per Month)	Number of Respondents	%
Rs 500 to Rs.800	22	29
Rs 801 to Rs. 1000	31	41
Rs 1001 to Rs. 1500	12	16
Above Rs 1500	10	14

Total	75	100
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#### BUSINESS PEAK HOURS:

Business Peak Hours	Number of Respondents	%
Early morning	4	5
Morning	9	12
Afternoon	47	63
Evening	15	20
TOTAL	75	100

#### PROFIT EARNED PER DAY:

Profit Earned	Number of Respondents	%
Below 100	5	7
Rs 101 - 500	30	40
Rs 501-800	33	44
Above Rs.800	7	9
TOTAL	75	100

#### MODE OF PAYMENT BY CUSTOMER:

Mode of Payment by Customer	Number of Respondents	%
Cash	53	70
Google pay	20	27
Paytm	2	3
TOTAL	75	100

#### OVERALL SATISFACTION LEVEL AS A SUGARCANE JUICE VENDOR:

Statement	Total Score	Mean Score	Rank
Feeling well trained in handling Sugarcane juice extraction equipment safely.	2932	39.09	V
Satisfaction with work life balance provided by your job.	3598	47.97	II
Easy access on hands on raw materials.	3119	41.58	III
Sugarcane juice vendors are affected by the large shops engaged at the same business.	3024	40.32	IV



Profits can help reclaim the expenses incurred on raw materials.	3737	49.82	I
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Source: computed data

## CORRELATION ANALYSIS

### CORRELATION BETWEEN AGE AND NUMBER OF EXPERIENCE:

**H0:** There is no significant relationship between the working experiences of the **hospital domestic workers** and the age of the hospital domestic workers.

**H1:** There is a significant relationship between the between the working experience of the hospital domestic workers and the age of the hospital domestic workers.

AGE OF THE RESPONDENTS			WORKING EXPERIENCE
AGE OF THE RESPONDENTS	Pearson Correlation	1	.508*
	Sig. (2-tailed)		<.001
	N	75	75
WORKING EXPERIENCE	Pearson Correlation	.508*	1
	Sig. (2-tailed)	<.001	
	N	75	75

Source: computed data

**Interpretation:** In the above table, Age and Experience were positively correlated at 51%, so it is determined that “Null hypothesis is accepted and there is significant relationship between the age of respondents and experience of their work at specified hospital” is Accepted.

### CORRELATION BETWEEN MONTHLY INCOME AND EXPENSES OF THE FAMILY:

**H0** - The no significant relationship between income and expenses of the Sugarcane Juice Vendors.

**H1** - The is significant relationship between income and expenses of the Sugarcane Juice Vendors.

FAMILY INCOME			FAMILY EXPENSES
FAMILY INCOME	Pearson Correlation	1	.249*
	Sig. (2-tailed)		.031
	N	75	75
FAMILY EXPENSES	Pearson Correlation	.249*	1
	Sig. (2-tailed)	.031	
	N	75	75

Source: computed data

**Interpretation:** In the above table monthly family income and family expenses were positively correlated at 0.31, so it is determined that “There is significant relationship between the family income and expenses of sugarcane vendors” is Accepted.

#### CORRELATION BETWEEN FAMILY INCOME AND BUSINESS EXPENSES

FAMILY INCOME AND BUSINESS EXPENSES			BUSINESS EXPENSES
FAMILY INCOME	Pearson Correlation	1	.291*
	Sig. (2-tailed)		.011
	N	75	75
BUSINESS EXPENSES	Pearson Correlation	.291*	1
	Sig. (2-tailed)	.011	
	N	75	75

Source: Computed Data

**Interpretation:** Based on the data analysis, a positive correlation coefficient of 0.11 was between monthly family income and business expenses of sugarcane vendors, indicating a positive relationship between the two variables and it is Accepted.

#### LIMITATION OF STUDY:

- Due to time constraint all Hospital domestic workers are not covered. Hence only private hospitals are covered and availability of the Hospital Domestic Workers.
- Period of the study and size of the sample are also one of the limitations.
- The study focused only domestic workers at private hospital and sugarcane juice vendors.

#### FINDINGS:

##### Domestic Hospital Workers:

- Out of 75 respondents, 52 respondents belongs to the age group of 31 – 50 years and 19 respondents are below age 30 and 4 respondents are above age 50.
- 66 respondents are female and 9 respondents were male.
- 67 respondents completed their school levels and 8 respondents had under graduated.
- 41 respondents have an experience of below 10 years and 34 of them more than 10 years of experience.
- 55 respondents are stay in rental house and 20 respondents have their own house.
- 40 respondents family size is 4 members.
- 41 respondents have their family income is up to ₹25000 and 21 of them have their family income above ₹25000.
- 45 respondents family members has job are in 2 members.
- 72 respondents have responded that they work in day shift and 3 of them work in night shifts.

##### Sugar cane juice vendors:

- Out of 75 respondents, 3% lies between the age group of 25-30, 25% lies between the age group of 31-40, 35% of the respondents lies between the age group of 41-50.
- 47% of the respondents are female.
- Out of 75 respondents, 41% are illiterate, 8% have completed their HSC and 4% have completed their degree.

- 4% of the respondents are unmarried.
- 45% of the respondents belongs to joint family.
- Out of 75 respondents, 17% lives in their own house which is either an ancestral house or has been received by the way of dowry and 32% lives in a lease house.
- Size of the family of 43% out of 75 respondents has been 3 members and 35% has been 4 to 5 members.
- 39% respondents' monthly income is between Rs 10,001 to Rs 15,000 and 16% respondents monthly income lies between Rs 15,001 to Rs 20,000.
- 39% of the respondents work above 5 hours.
- Out of 75 respondents, 29% years of experience is above 10 to 15 years and 15% years of experience is below 5 years.
- 42% of the respondents expenses to run a business in a day.
- 12% of the respondents have lease machinery, 12% of them purchased by loan.
- Out of 75 respondents, 36% spent Rs 55,000 to 80,000 as an investment for machinery purchase.
- 40% of the respondents purchase sugarcane on weekly basis and 12% based on seasonal variations.
- 27% of the respondent's amount spent Rs.4,500 to Rs.5,000 to buy a raw material per month and 25% spent between Rs 3,500 to 5,000.
- Out of 75 respondents, 27% use mode of transport is tricycle and 26% use auto/ rickshaw to bought the raw sugarcane to the business place.
- Out of 75 respondents, 25% spent Rs 500, 16% of them spent Rs 100, as a transportation charge.
- 20% of the sugarcane juice vendors responded that peak hour of business is evening hours of work and 5% are responded that it was early morning.
- Out of 75 respondents, 6% earned Rs.200 as profit per day earn and 40% earned above Rs.600 but within Rs.800.
- 3% of the respondents use paytm to receive payment from customers.
- 65% of the respondents were not aware of Government schemes. They were not willing to register because of some threats like fear and fraudulent activities.
- 44% of the respondents' family monthly income is between Rs 11,000 to Rs 15,000, 9% of respondents' family income is between Rs 5,000 to Rs 10,000.
- 4% of the respondents business expenses on monthly is above Rs.2,000 and 13% monthly expense is below Rs.1,000.
- 27% of the respondents spent Rs 4,500 to Rs.5,000 to buy raw material per month and 25% spent between Rs 3,500 to 5,000.

## SUGGESTIONS

### Based on data collected from the Domestic Hospital Worker:

#### To the Hospital:

- **Training Programs:** Implement training programs to domestic workers for proper cleaning and hygiene protocols, especially in healthcare.
- **Safety Measures:** Provide appropriate safety equipment such as gloves, masks to protect workers from potential hazards.
- **Cleaning Protocols:** Develop and enforce rigorous cleaning protocols tailored to health care environments, disinfection of high-touch surfaces and proper waste disposal.
- **Team Communication:** There must be a proper communication protocol between the Domestic workers and staff of the hospital.
- **Recognition and Support:** Recognize the importance of domestic workers in maintaining a clean and safe hospital environment, and provide support and incentives to boost morale and retention.
- **Career development:** Provide support and training in order to improve their career and career advancement.
- **Mechanisms:** Establish feedback mechanisms to allow domestic workers to provide input on cleaning processes and workplace conditions.
- **Programs:** Implement wellness programs to support the physical and mental wellbeing of domestic workers, access to counselling services and stress management resources.
- **Cross-Training:** Cross-train to domestic workers in order to enhance flexibility and efficiency.
- **Regular Audits:** Conduct regular inspections to determine the effectiveness and quality of working.

### Based on data collected from the Sugarcane Juice Vendors:

#### To Government:

- The Government should establish a camp to facilitate the enrolment of sugarcane vendors in various Government schemes and assistance to the vendors. Initiative is designed to empower sugarcane vendors by ensuring their access to Government benefits and resources.
- To provide loan assistance to Sugarcane Vendors after conducting a thorough evaluation to determine Sugarcane Vendors eligibility, thereby enhance their livelihood opportunities and to support their agricultural activities.
- The Government ensure that benefits allocated to enrolled Sugarcane Vendors under Government schemes are utilized solely by the intended beneficiaries and not misused by others.

#### To Customers:

- Being more respectful towards vendors
- After drinking the juice, should pay the amount properly and refrain from bargaining.
- When making online payments, customers should refrain from deceiving the vendors.
- Dispose of the cup or straw in the dust bin.

## CONCLUSION

The study revealed that most domestic workers in the study area are volunteer workers, who represent a potential untapped workforce. Hospital Domestic Workers demand a little higher income and respect from patients, and need paid holidays and safety measures. Hospitals domestic workers need proper training and communication skills. The root cause of these issues is disrespect and lack of education, leading to a disorganized workplace.

Sugarcane Vendors serve as bridging the gap between sugarcane farmers and consumers by providing a popular and refreshing beverage enjoyed by many. Sugarcane Vendors offer a refreshing and natural alternative to consumers. Sugarcane vendors often face various challenges, include climate changes, transportation facilities, and machinery repairs and off season employment opportunities. These obstacles can impact their well-being and livelihoods, hindering their ability to sustain their businesses effectively. The study states that many sugarcane vendors are not availing themselves of Government schemes due to personal challenges, sometimes others take their benefits. It shows a need for easier ways to apply for support and better ways to make sure the right people get the help they need. Furthermore, the study highlights that sugarcane vendors encounter reduced employment opportunities during the off-season, contributing to a broader trend of individuals leaving the agricultural sector due to insufficient employment opportunity.

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