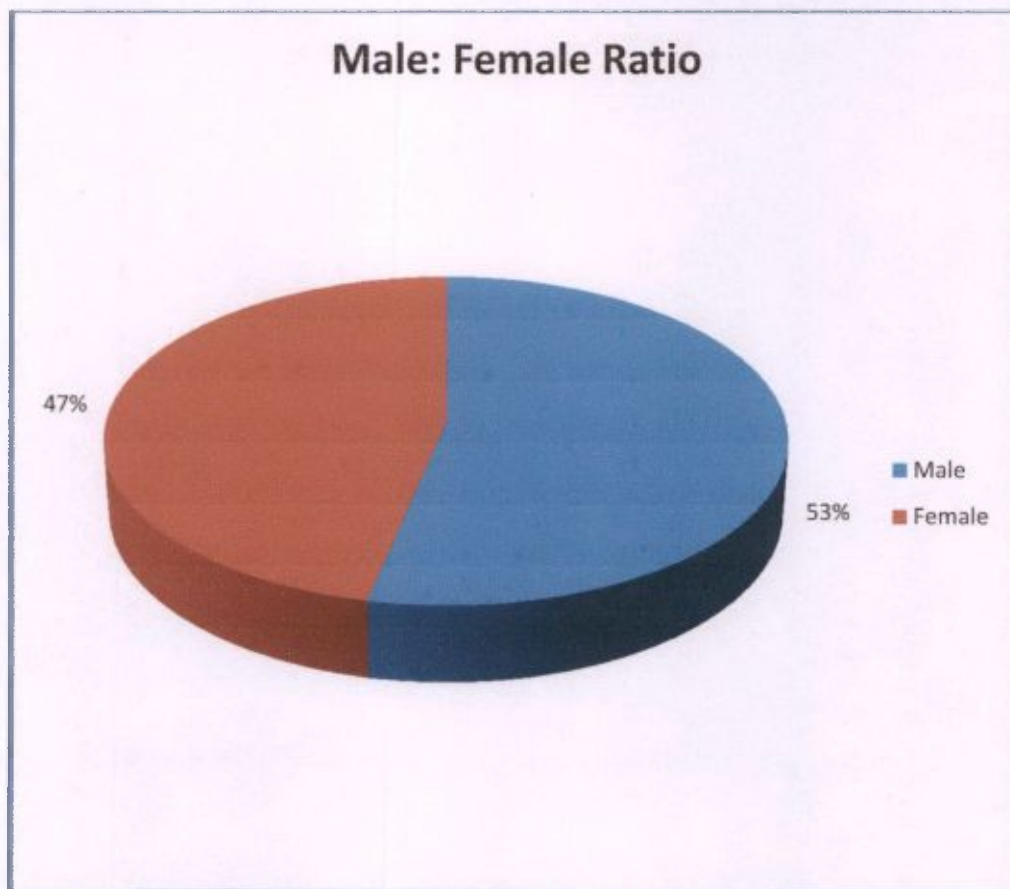


	West	Sastitala Road, Matilal Sen Lane and Narikeldanga North Road
31	North	Satin Sen Sarani and Manicktala Main Road
	South	Narikeldanga Main Road and Kankurgachi Road
	East	The New Canal
	West	Kankurgachi Road and C.I.T Road
32	North	Crossing of Eastern Railways and the New Canal, Bidhan Nagar Road and Bagmari Road
	South	Satin Sen Sarani , Biplabi Barin Ghosh Sarani and Manicktala Main Road
	East	The New Canal
	West	Ramkanta Sen Lane, the Eastern Railways and Bagmari Road
33	North	Narikeldanga Main Road
	South	The Beliaghata Canal and Hem Chandra Naskar Road
	East	The New Canal
	West	Gagan Sarcar Road and Hem Chandra Naskar Road
34	North	Dr. Panchanan Mitra Lane and Abinash Sashmal Lane
	South	The Beliaghata Canal
	East	Hem Chandra Naskar Road and Gagan Sarcar Road
	West	Kankurgachi Chord and Raja Rajendralal Mitra Road
35	North	The Eastern Railways, Dhyan Devi Khanna Road and Hem Chandra Naskar Road
	South	The Circular Canal, Beliaghata Canal, Dr. Panchanan Mitra Lane and Abinash Sashmal Lane
	East	Hem Chandra Naskar Road, Raja Rajendralal Mitra Road and Kankurgachi Chord
	West	The Eastern Railway

Some more socio-economic findings are evaluated from this homeless people survey data under KMC Borough III.

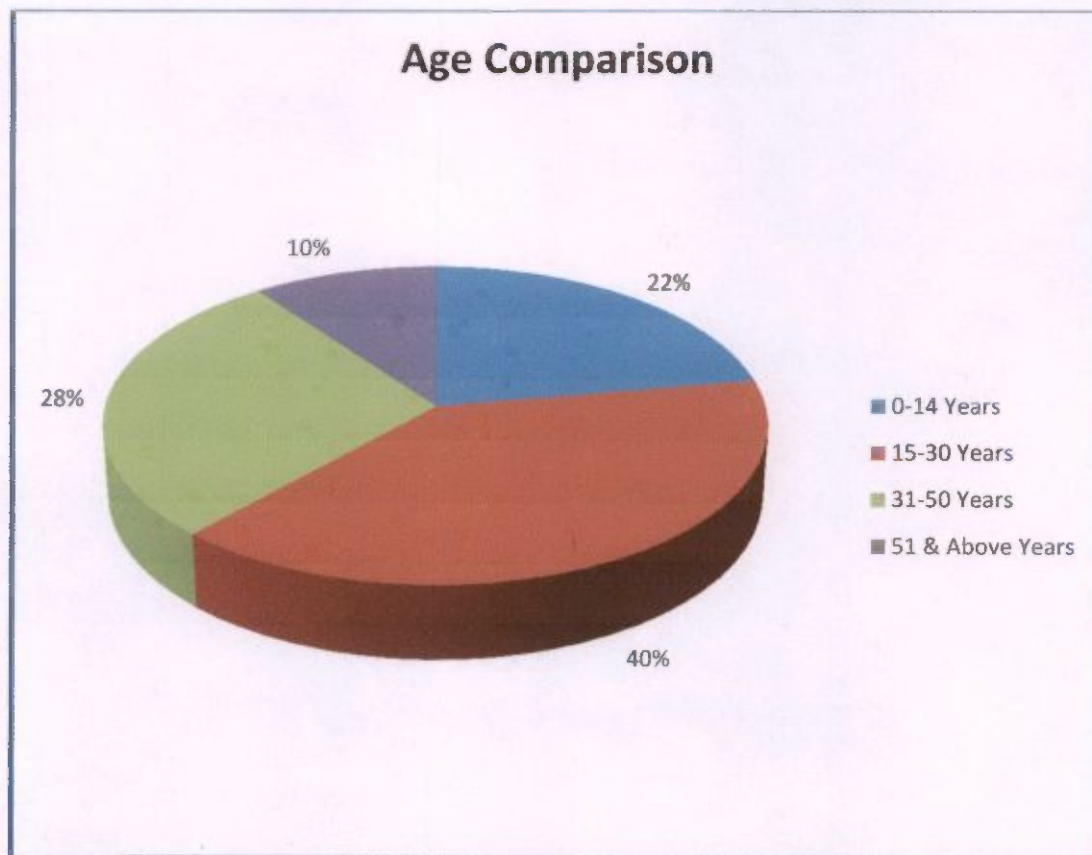
1. Sex Ratio:

Borough	Ward No.	Sex Ratio	
		Male	Female
III	13	161	140
	14	270	223
	29	393	354
	30	0	0
	31	0	0
	32	3	2
	33	0	0
	34	11	16
	35	0	0
	Total	838	735



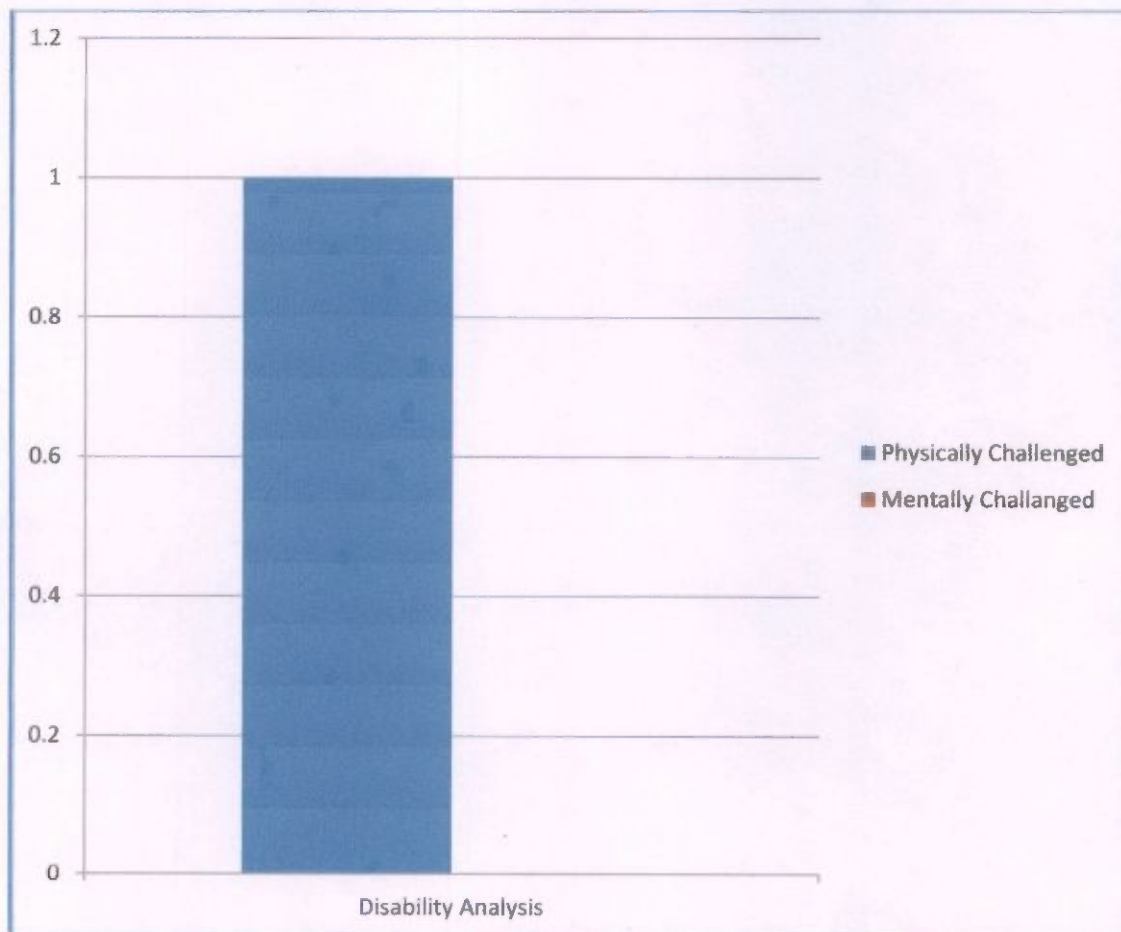
2. Age Comparison:

Borough	Ward No.	Age Comparison			
		0-14 Years	15-30 Years	31-50 Years	51 & Above Years
III	13	75	108	88	30
	14	107	190	142	54
	29	163	310	205	69
	30	0	0	0	0
	31	0	0	0	0
	32	1	0	2	2
	33	0	0	0	0
	34	4	12	7	4
	35	0	0	0	0
	Total	350	620	444	159



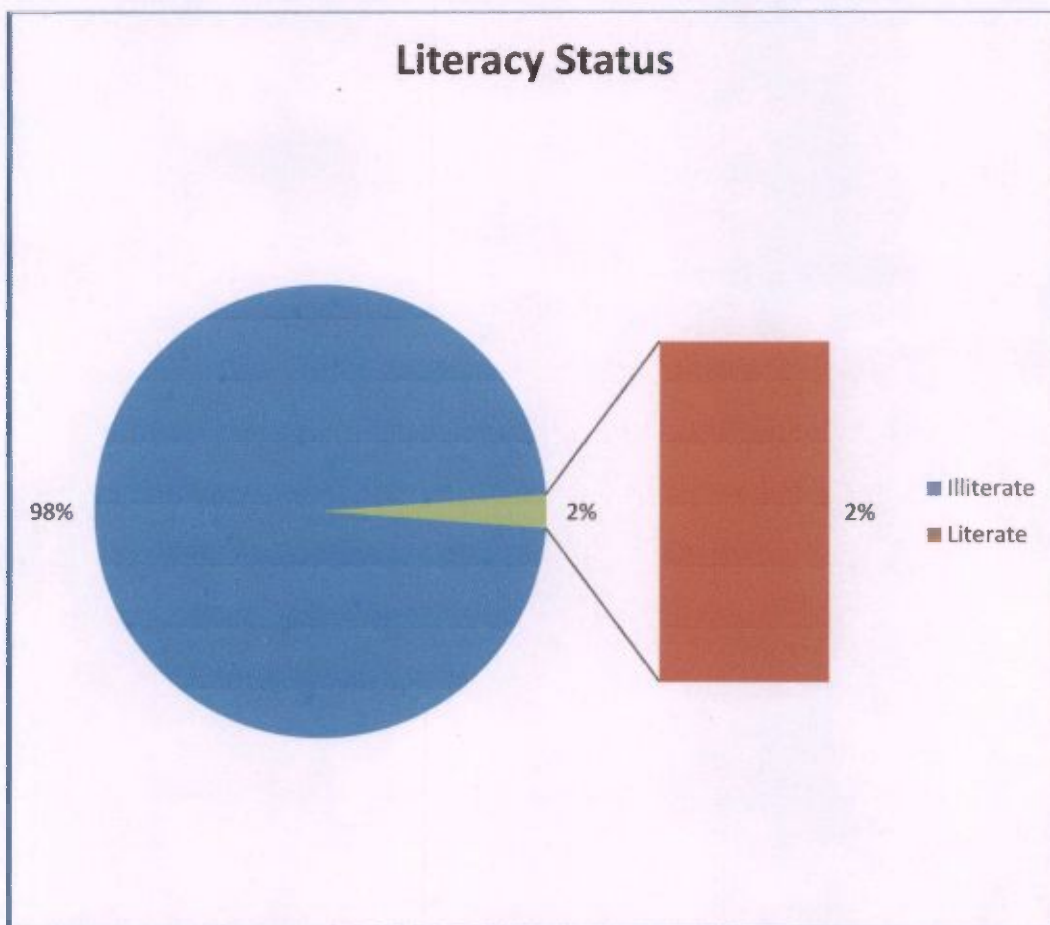
3. Disability Analysis:

Borough	Ward No.	Disability Analysis	
		Physically Challenged	Mentally Challenged
III	13	0	0
	14	1	0
	29	0	0
	30	0	0
	31	0	0
	32	0	0
	33	0	0
	34	0	0
	35	0	0
	Total	1	0



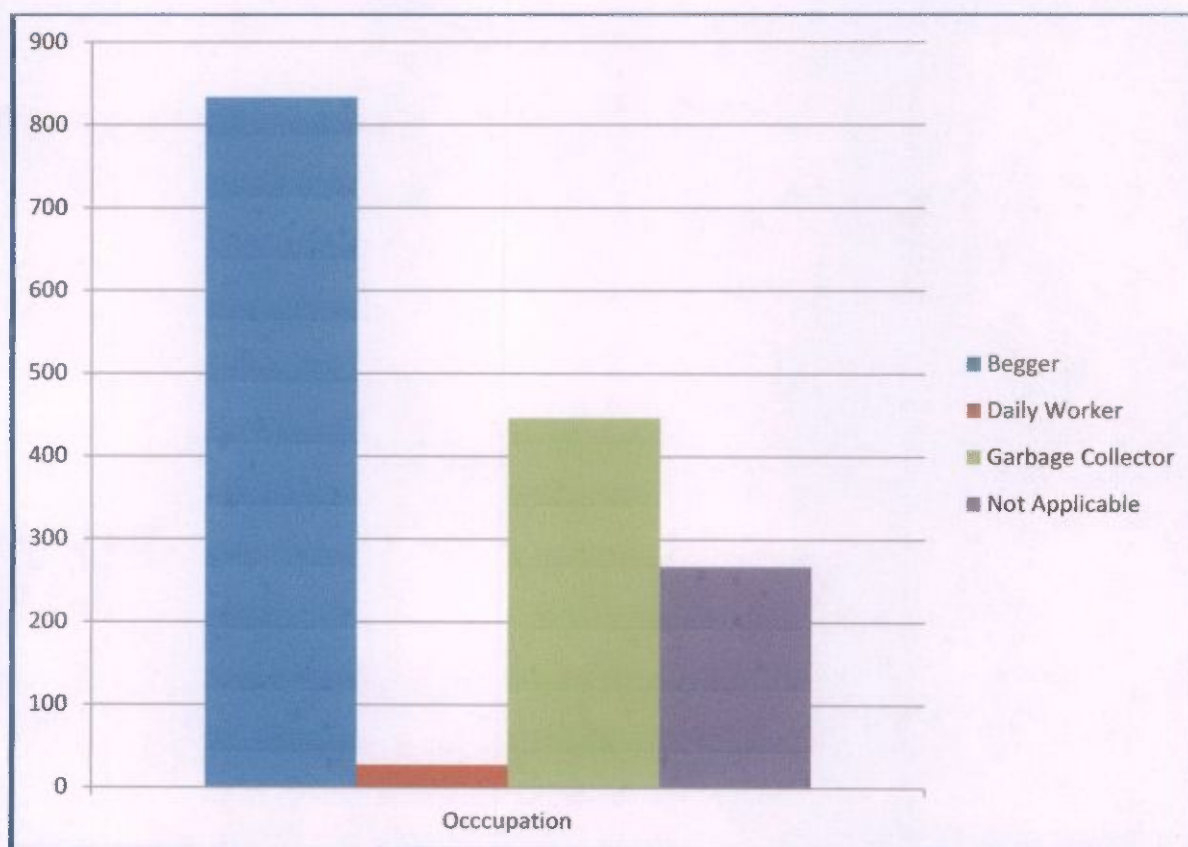
4. Literacy Status:

Borough	Ward No.	Literacy Status	
		Illiterate	Literate
III	13	294	7
	14	486	7
	29	724	23
	30	0	0
	31	0	0
	32	5	0
	33	0	0
	34	27	0
	35	0	0
	Total	1536	37



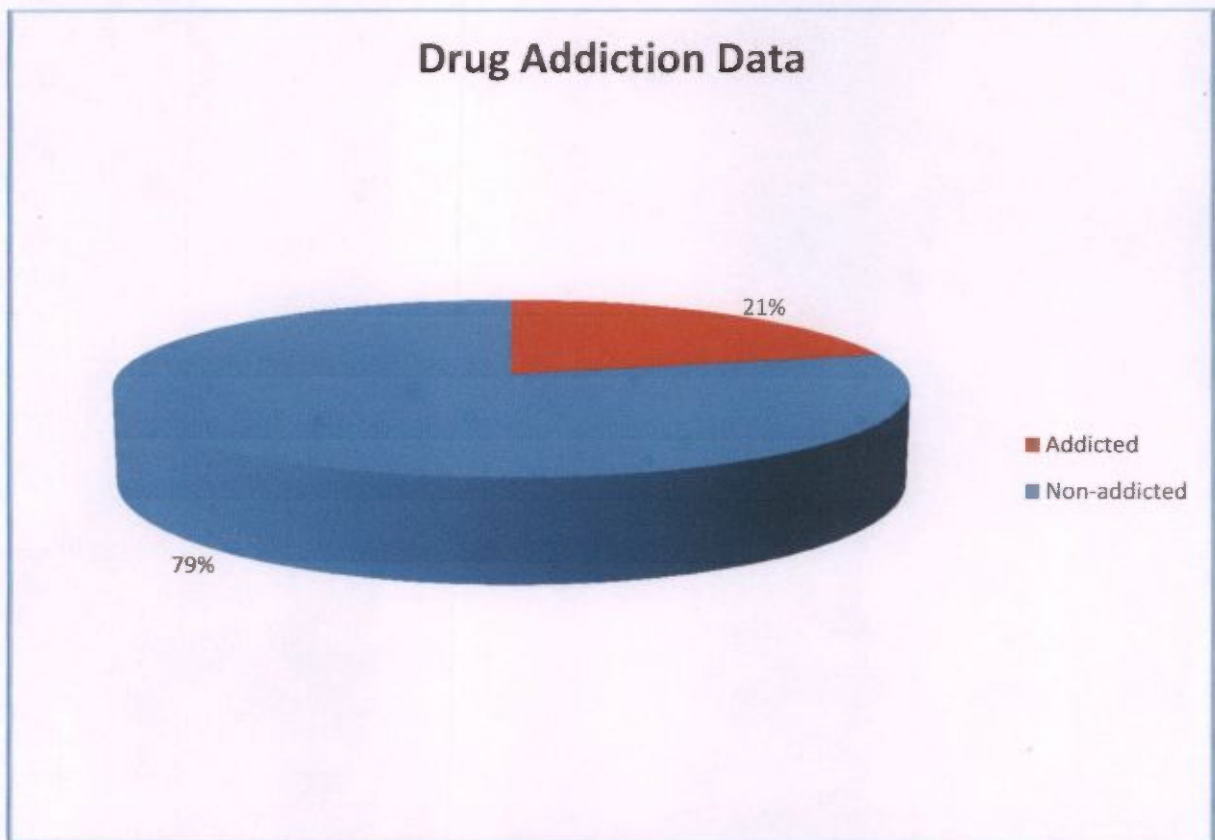
5. Occupation Analysis:

Borough	Ward No.	Occupation Analysis			
		Beggar	Daily Worker	Garbage Collector	Not Applicable
III	13	177	7	63	54
	14	260	3	157	73
	29	374	17	217	139
	30	0	0	0	0
	31	0	0	0	0
	32	3	0	2	0
	33	0	0	0	0
	34	19	0	7	1
	35	0	0	0	0
	Total	833	27	446	267



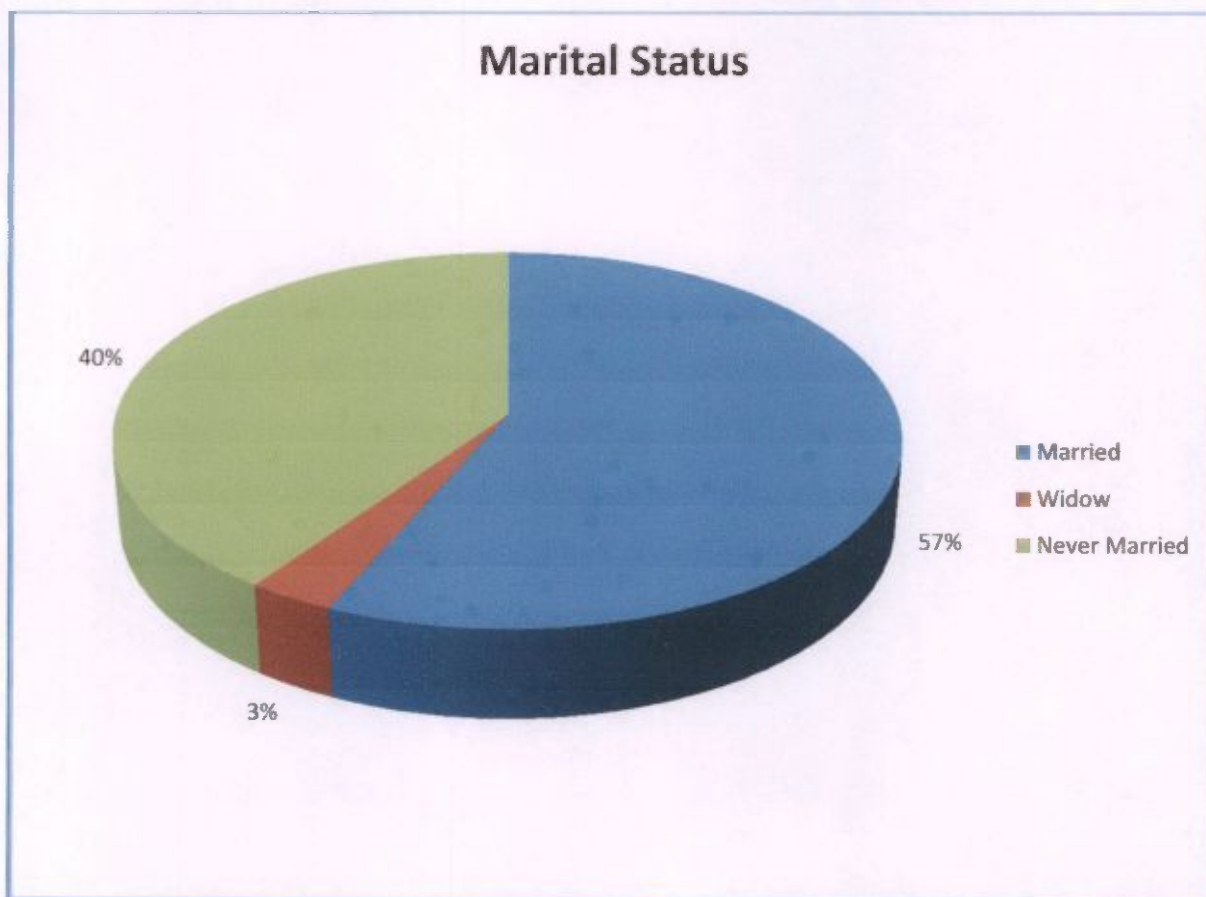
6. Drug Addiction Data:

Borough	Ward No.	Drug Addiction Data	
		Addicted	Non-addicted
III	13	106	195
	14	226	267
	29	0	747
	30	0	0
	31	0	0
	32	0	5
	33	0	0
	34	1	26
	35	0	0
	Total	333	1240



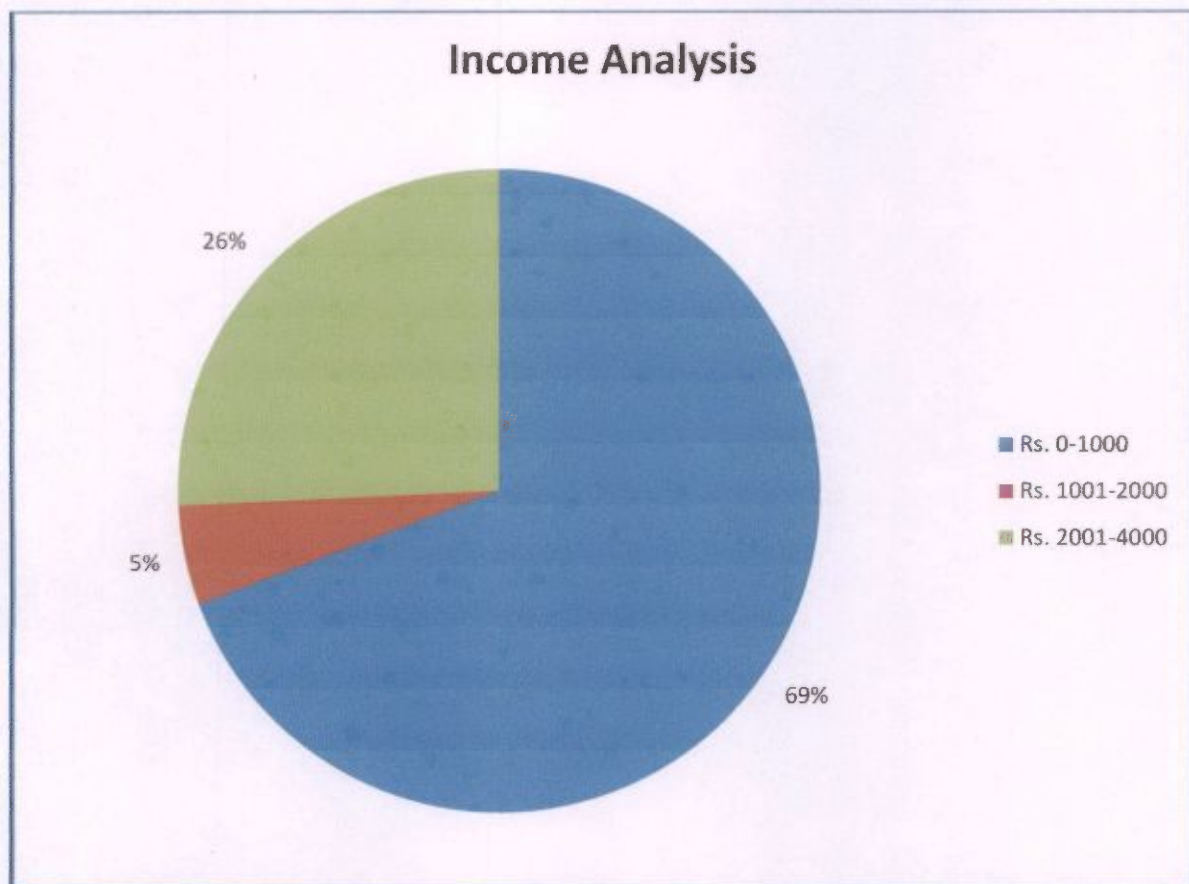
7. Marital Status:

Borough	Ward No.	Marital Status		
		Married	Widow	Never Married
III	13	160	16	125
	14	272	12	209
	29	439	19	289
	30	0	0	0
	31	0	0	0
	32	2	2	1
	33	0	0	0
	34	16	1	10
	35	0	0	0
	Total	889	50	634



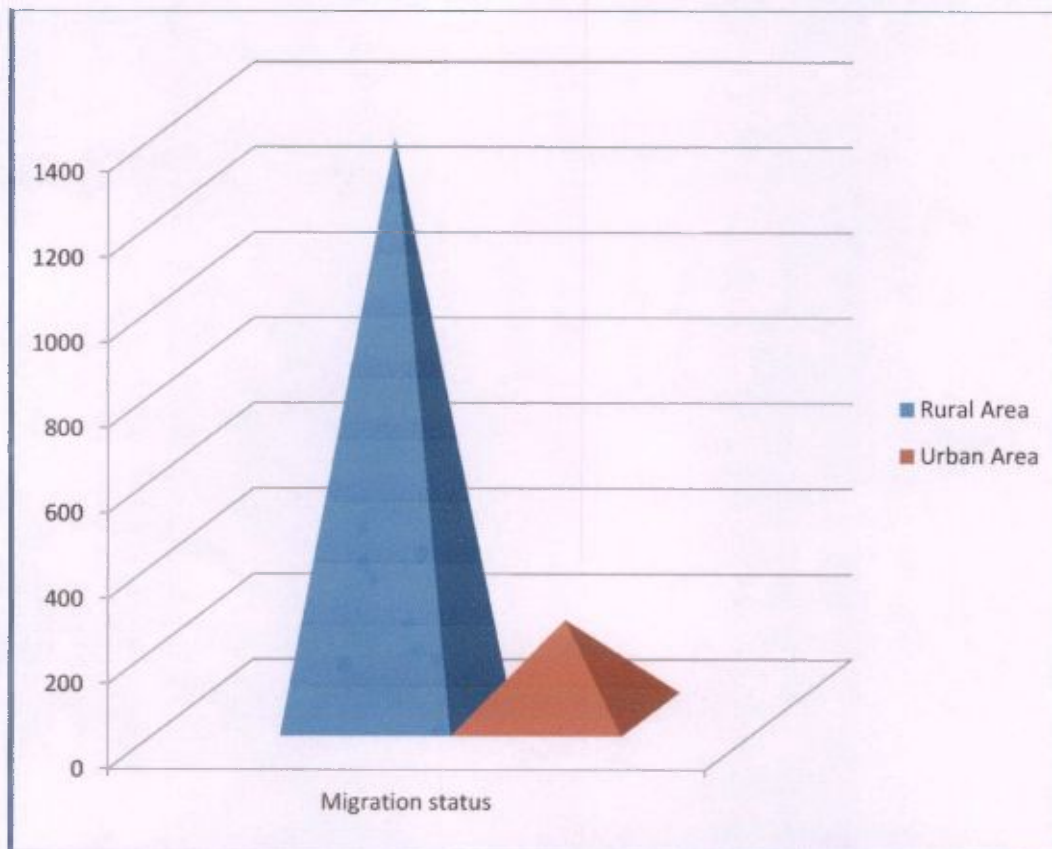
8. Income Analysis:

Borough	Ward No.	Income Analysis		
		Rs. 0-1000	Rs. 1001-2000	Rs. 2001-4000
III	13	230	8	63
	14	333	3	157
	29	502	68	177
	30	0	0	0
	31	0	0	0
	32	3	0	2
	33	0	0	0
	34	21	0	6
	35	0	0	0
	Total	1089	79	405



9. Migration Status

Borough	Ward No.	Migration Status	
		Rural Area	Urban Area
III	13	256	45
	14	429	64
	29	637	110
	30	0	0
	31	0	0
	32	4	1
	33	0	0
	34	25	2
	35	0	0
	Total	1351	222



Resource planning for urban homeless shelter under KMC Zone-I

As assigned by KMC in conducting GIS Based survey for Urban Homeless population, we had conducted a survey under Zone – I of KMC.

The objective of the survey was to provide KMC the count as well as analytical report of such Urban Homeless for providing them shelters and other basic amenities.

The shelters may be constructed in the vicinity areas subject to the availability of land and approval of appropriate authority.

Under Zone – I, we surveyed Boroughs – I, II & III and identified some vacant areas which may be utilized for construction of Shelters for Urban Homeless.

In Borough I, we found out that in ward no. 4, the Vacant Land opposite of Northern Nursing Home on Raja Manindra Road. It is 7,200 Sq. Ft. in area and is a KMDA property.

In Borough II we have not found any vacant /abandoned land for urban homeless shelter. This borough is very congested in nature.

In Borough III we have not found any vacant /abandoned land for urban homeless shelter. This borough is very congested in nature.

The list of the land as identified are annexed hereto:-

Borough Name	Area Details	Ward No	Owner	Area in Sq. Ft (Approx.)	Latitude	Longitude
I	Vacant Land opposite of Northern Nursing Home on Raja Manindra Road	4	KMDA	7200	22.61205500	88.38171800

Conclusion:

- The survey of Zone I revealed the important statistics that there are 3477 homeless people in total from all the 3 Boroughs.
- We have given the data collected through the survey to KMC in different formats – Excel Sheets, representation through Map, Web application and mobile app called Thikana. Through Excel, the users can check and compare the data easily, whereas, the map will give a graphical representation of the areas where the homeless people are found. Through the web application we created, any user can login from anywhere to check the data and the app will allow users to access the data with just a click from anywhere anytime.
- The data collected through the survey will enable KMC to prepare several developmental plans for construction of Shelters for Urban Homeless using the statistical analysis that we provided.
- In some areas, the female respondents did not allow us to take their photographs; hence their photos are not available.
- In very few cases, in apprehension of being displaced to other places, the respondents were found reluctant in sharing information.
- Karmick Solutions Pvt Ltd successfully completed the entire project work with active support & kind cooperation of KMC officials (SWUPA HQ), KMC Borough Managers, other Administrative Bodies & local people.

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SOLUTIONS
IT, INNOVATION, DIGITAL
ISO 9001:2015 Certified Company

Prepared by:

Final Project Report For GIS Based Survey of Urban Homeless Population in the Wards under the Jurisdiction of Kolkata Municipal Corporation (Zone-V)



To
Chief Manager (SW&UPA)/Borough XIII, XIV & Borough XV, XVI
Kolkata Municipal Corporation
5, S.N. Banerjee Road
Kolkata 700013

Ref: CM/UHP_Survey/WO/Zn-V/1/2017-18

Dear Sir,

With reference to the aforesaid Work Order, it is being conveyed that Karmick Solutions Pvt Ltd has been completed the entire assignment of GIS based Homeless Population Survey within jurisdiction of Zone-V (Br-XIII, XIV, XV, XVI), KMC. We are submitting a "Final Project Report" regarding the above mentioned work for Zone-V.

Thanks & Regards



Sourav Roy
CEO

Karmick Solutions Pvt Ltd
116A Purbalok, Kolkata 700099

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Executive Summary

INTRODUCTION

As per the guidelines issued by The Ministry of Housing and Urban Affairs, Government of India, as communicated by SUDA, KMC is implementing "Shelter for Urban Homeless" component by providing shelter with all essential services to the Urban Homeless people in KMC area under NULM. To assess the actual number of homeless, number of shelters required for Homeless in the KMC area, and for their rehabilitation, it is proposed by KMC to conduct a GIS based survey of the homeless in the wards under it.

Homelessness is a state of utter helplessness. Most people think they are not real people and they are in such a state because of their own deeds. Fundamental rights are denied to them. They for the remaining part of their lives live under make-shift shelters. Sometimes, they are forced to spend nights on railway platforms, pavements, pipes, and so on. No wonder, they are often subjected to extreme violence and continuous threat of exploitation. Due to rapid urbanization, homelessness has grown over the past year in many urban cities across the world.

In order to measure the magnitude of the problem, Karmick Solutions have been entrusted by Kolkata Municipal Corporation to conduct a survey of zone V of KMC which consists of Borough XIII to Borough XVI. A custom-made mobile app named 'Thikana' was developed, pre-loaded with a structured questionnaire. The application was used for the survey purpose. The survey was conducted at night hours.

Significant findings that emerged from our survey are:

High Concentration points

A total number of 76 homeless people were interviewed, out of which maximum were found to be staying alone and few with their respective families. A high percentage of homeless people were found living on the Joka Bakrahat Connecting Road, Mahendra Banerjee Road, and Putiary Banerjee Para Road, Raja Ramohan Roy Road, James Long Sarani.

Entitlement status

The survey revealed that out of the 76 respondents, none possess BPL card, Voter card, Aaadhar card, or any type of photo ID card issued by Government entities.

The survey findings revealed that most people are currently living in a state of homelessness in Zone V of Kolkata migrate for economic reasons with a belief that they will find better work opportunities. While in borough XVI, only one person was found to have migrated from other state, and in Borough XIII, XIV, and XV, three, six and two persons were migrants respectively.

Migration

The matter of concern is most for those homeless people who were found to be with children or aged people (above 60 years). While such children remain deprived of education and a normal childhood, aged people experience the challenges of coping with their health ailments without or with negligible access to medical facilities. Some were even found to be physically or mentally challenged.

Magnitude of vulnerability

Out of the homeless people interviewed by Karmick Solutions, there were few male children and few female children belonging to an age group of 1-14 years. It was also found that 40-50% respondents are married.

Family composition

Borough	Ward Number	Road Name
XIII, XIV	121, 122	Raja Rammohan Roy Road
XIV	130	Mahendra Banerjee Road
XVI	125, 144	Joka Bakrahat Connecting Road
XIII	115	Putiary Banerjee Para Road
XIV, XVI	121, 124	James Long Sarani

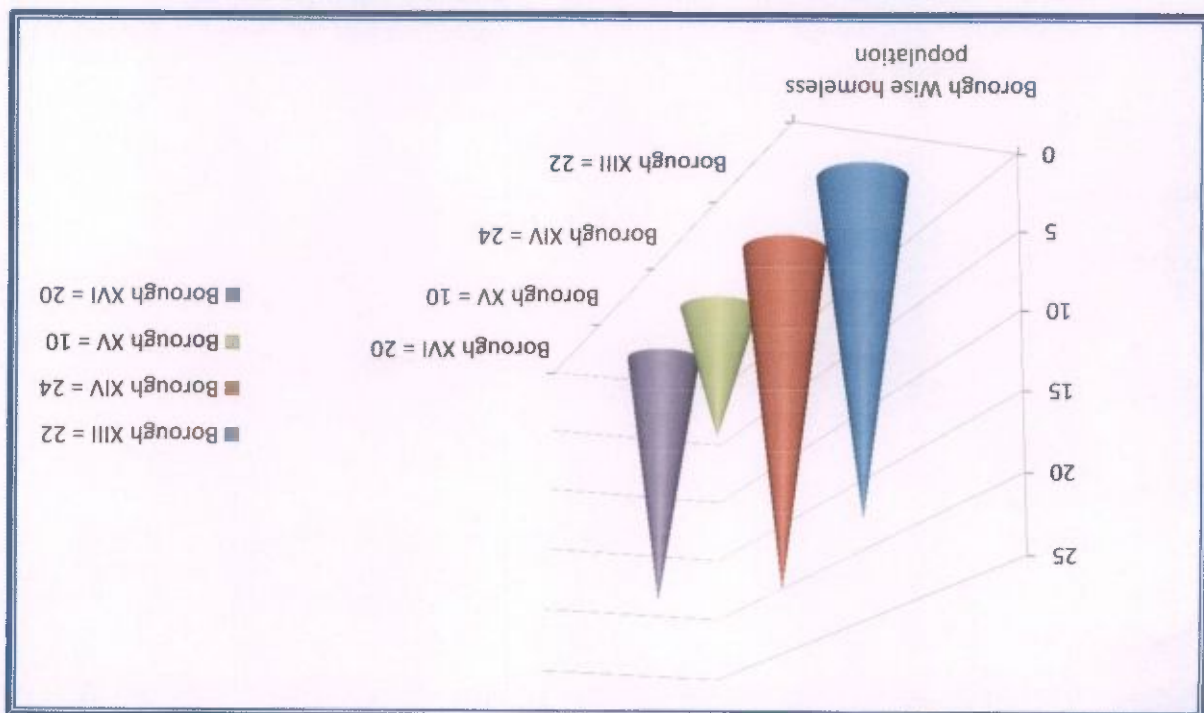
Objectives of the Survey:

Survey would ensure following objectives, to

- Provide planners a detailed geo location based mapping of concentration areas of homeless populations in the wards under KMC.
- Establish the demographic profile of homeless populations within project AOI (Area of Interest)
- Identify official resources such as land and vacant buildings that can be deployed to provide the required infrastructure for shelters in appropriate location of each city/town.
- Establish the location and type of shelters needed in each city/town by gauging the specific needs of the beneficiaries

PROJECT AREA:

The present assignment covers the wards under Zone -V of KMC (Borough 13, 14, 15, 16). This includes Behala, Khidirpur, Garden reach, Joka and Thakurpukur areas. Each of these boroughs are further classified into several administrative wards. Diamond Harbour Road (NH12) is one of the major roads that pass through maximum number of Wards in these Boroughs. Zone-V is situated in South-West part of Kolkata & maximum area covered by self-owned house & residential apartments. Few numbers of Govt. & Non-Govt. offices & many industries are situated in this area (majorly in Borough XV).



Roles of GIS in Urban Homeless Population Survey

1. Geographical Information System commonly termed, as GIS is a technology to monitor, plan, & analyze geographical data to yield meaningful results. It essentially consists of two types of data namely spatial data & non spatial data. Spatial data consists of an electronic vector map converted from paper maps/scanned images. This process is known as vectorization & can be done through any GIS software. The non-spatial data consists of attributes data regarding a map entities attached to the vectorized objects on the map. This spatial & non spatial data together consists of a GIS system on which analysis can be done by performing queries & other GIS operations such as buffering & thematic generation.

2. One of the major advantages of GIS system is viewing of locations of Homeless Population & Proposed Urban Homeless Shelters in different layers & accordingly shortest route monitoring.

3. GIS mapping supports spatial decision making & strategic planning. It is a rapidly evolving area that continues to expand. Everybody wants information in usable formats & this has led to continual increase in GIS as it is easier to use, more intuitive, more analytic & more embedded within a variety of technologies.

4. Urban Homeless population spatial data can even be used for **territory planning for future** development of Urban Homeless Shelter, meaning that management will know how to deploy funds & manpower so that they don't overlap with each other territories.

Advantages of the GIS based Survey

The Benefits of the system are as follows:

Functional:

- Allows the user to see the geographic location of the entire homeless population concentration within the Area of Interest (AOI).
- Enable viewing of layers & related information through maps and web based interfaces.
- Provide information on click.
- The users can enquire & generate report as per the attribute data.
- Enhance the process of decision making in a more appropriate and scientific manner.
- Attach any kind of data like photo, documents for the different locations.
- Can use color-coded thematic maps for better understanding.

- Identifying the areas with concentration of homeless population,
- Profiling the homeless populations in these areas in terms of gender, age, education, occupation, marital status, number of children, history of illness etc. persons with disability should be categorized separately.
- Identifying the aspirations of the homeless for a shelter and also the deterrents preventing the homeless from using the existing shelters, if any

The steps to be followed during the survey

Scope of Work

- Avoids duplication, misuse and data error using a centralized database.
- Highly secure with privileges to authentic users
- The authentic users can insert, update, delete maps & attribute data.
- Facility to set map layers
- Facility to click on map and get layer information
- Displays legends
- Identifies attributes attached to geographic features
- Use the clear section tool
- Generates MIS report based on queries

Technical:

- Entry & updating of data through web based interfaces for system administrators for the non-spatial attribute.
- Generates customized report as per Zone wise, Ward wise & even Road wise.
- The system would be capable of giving color coded information regarding potentially high populated & low populated zones.
- Gives correct depiction of linear, polygon and point features using GPS data.
- The entire information will upload in a Web based /Mobile application & need not be installed in any kind of desktop software.
- The solutions are deployed at a central server as designated by the client and access rights are given to client to various users to connect and work on it from anywhere using the internet or intranet as per the desire of the organization's desire.

Karmick's execution Plan

- A. We had assigned two persons as one team for the task of field survey for each ward of the selected boroughs. Each team was equipped with one Android smartphone and one hand-held GPS device (Trimble Juno SB) for conducting the task of survey.
- B. An android mobile application (Thikana) was developed by our skilled app developers & this application was successfully installed on the mobile devices of each team members.

- Discussions on recommendations to be put forth in the report.
- Collating results and submitting to KMC.
- shelters, along with government agencies
- Determination of the feasibility of the identified buildings and locations for building/ upgrading
- Field resource mapping survey of all the identified potential buildings and shelter locations

At the end of this process, the following deliverable are expected:

- c) Vacant lands that are suitable potential sites for new shelter buildings.
- b) Unused or underutilized government buildings that can be possibly redeployed as shelters after suitable refurbishing; and
- a) Existing shelters;
- The next step is to conduct a resource mapping exercise. The resources that this phase of the survey seeks to identify are

Resource Mapping

- Finalized resource mapping questionnaire for the next stage of resource mapping.
- resources in terms of land and building.
- Determination of shelter locations, types, number of shelters required in an area, plus available
- Collated survey results
- Map should indicate the locations of all the scattered as well as clusters of homeless people.

The following deliverables are expected out of this process at this stage:

- Broadly identifying the possible buildings and locations where new shelters can be built and duly display on the map by geo tagging them
- The information should be recorded and collated by each team. To ensure faster survey results, data entry should be done in parallel with the survey along with photograph and Geo tagging of each homeless person.

Annexure II QUESTIONNAIRE for SURVEY OF HOUSELESS POPULATION											
Longitude											
Name of Corporation/ Municipality/ Kollata Municipal Corporation											
Name of Street/ Location											
Full Name of Respondent											
Present Living Status											
Sweet/ Footpath											
Railroad											
Bus Shed											
Under Project											
Marketplace											
Other Landmark/ Please Specify											
Living in Same Location											
Whether BPL Card/ Voter											
Card/ Aashuk/ any photo identity											
Govt. Provided/ Holder											
Whether willing to avail of Govt											
Arranged shelter											
Yes/ No											
If No, Please write reason for											
detention from using shelter											
Yes/ No											
Whether any type of ration card											
Holder (Please mention type											
and number of card)											
Yes/ No											
Living Since (Date or Year)											
Place of Origin											
Reason for Migration from Place											
of Origin											
Name in Full											
Father/ Husband's											
Nearest Landmark											
Form No											

Details of Respondent & Family Member Physically Found											
Full Name	Photo attach	Residence with	Self	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No
Age	Sex	Marital Status	Married	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No
Married	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No
Divorced	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No
Widower	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No
Deceased	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No
Other	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No
PC	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No
HS	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No
Secondary	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No
High School	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No
Postgraduate	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No
Occupation	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No
Unemployed	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No
Self-employed	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No
Other	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No
Place of Birth	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No
Urban	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No
Rural	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No
Other	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No	Yes/ No
Signature of Enumerator	Age on 01/01/2018, Marital Status, N=Never Married, D=Divorced, W=Widow, Widower, DS=Deceased, Sex M=Male, F=Female, O=Others										

overlapping of survey data.

do not accidentally enter into the neighboring ward and therefore do not cause any

- imparted them the knowledge on how they should input data collected from each of the respondents (homeless people) into respective data fields of the questionnaire.
- Made them understand how they have to capture the images of each homeless people with their Android smartphone after successfully completing their interview process for each. (Note: They need to capture three images of the each people in three different camera angles -Frontal, left and right.)
- Ensured that they know the right method to make use of the given base map for each ward provided to them by Kolikata Municipal Corporation (KMC) to cover each major and minor road of the respective wards in order to reach each and every homeless person living in those wards.
- To make it sure that during the survey, survey team members assigned for each ward

their mobile devices. So, the training was on as follows.....

mind the fact that our survey questionnaire was already featured in the mobile app installed on

D. We gave thorough training to each team member involved in the task of survey while keeping in

the maximum number of homeless people living in each ward.

C. We had instructed them to perform this Survey between 10:00 PM and 6:00 AM to reach out to

Survey Instruments Specification

Karmick Solutions used Handheld GPS along with installed Mobile App for Homeless population survey.



Features

- 4G cellular data and voice call capability
- Feature packed, fully integrated solution
- 5 megapixel camera
- High-sensitivity GPS receiver
- Long life battery for all-day use

Karmick's Methodology

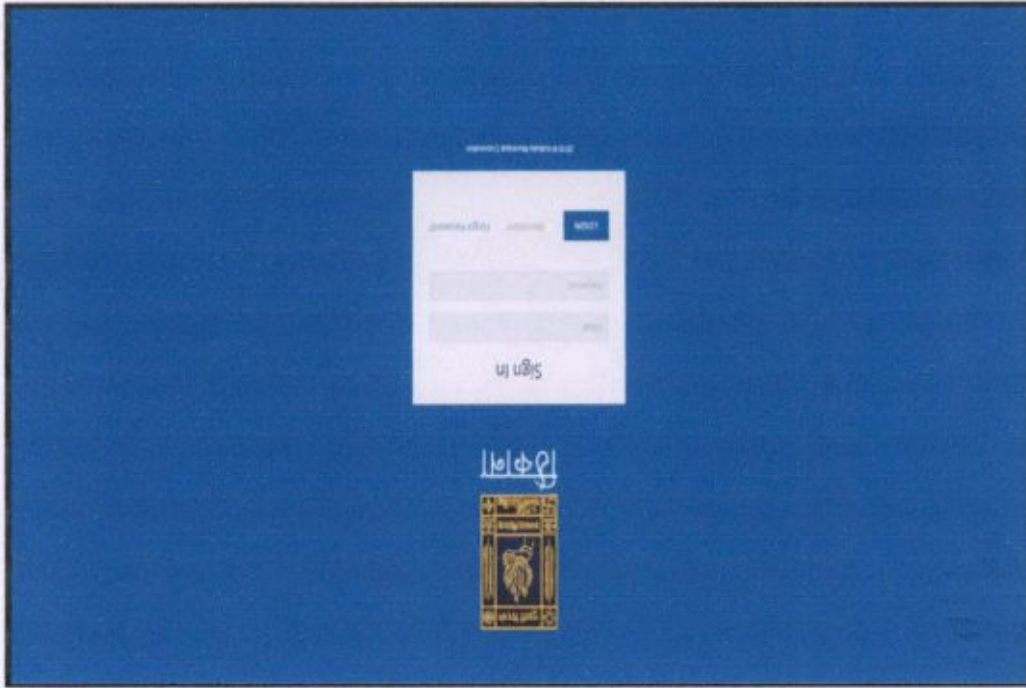
Karmick Solutions involved 56 people for the task of field survey, Map preparation, Web & Mobile Application Development & data hosting.

A. Development of Mobile & Web Application "THIKANA"

At first a web & mobile based database handling system is developed by Karmick for handling the above mentioned spatial and non-spatial data for the entire AOI of KMC.

Development of web and expansion of the internet provided to key capabilities that can greatly help KMC. First, the web allowed visual interaction with data. By setting up a web server, client can produce maps. Since the map and charts are published on the internet, other clients can view the updates, helping to speed up the evaluation process. Second because of the near ubiquitous nature of the internet, the geospatial data can be widely accessible, clients can work on it from almost in any location. Both these features will alter the way GIS specialists will do their work in the very near future. The combination of easy access to data and visual presentation addresses some of the primary difficulties in performing GIS specialists' evaluations.

The application provides user friendly WEB based GUI (Graphic User Interface), which is very intuitive and user friendly such that the most important features are available with a few mouse clicks or a few keystrokes.



Admin Login page Desktop Application

Overview of the Web & Mobile Application

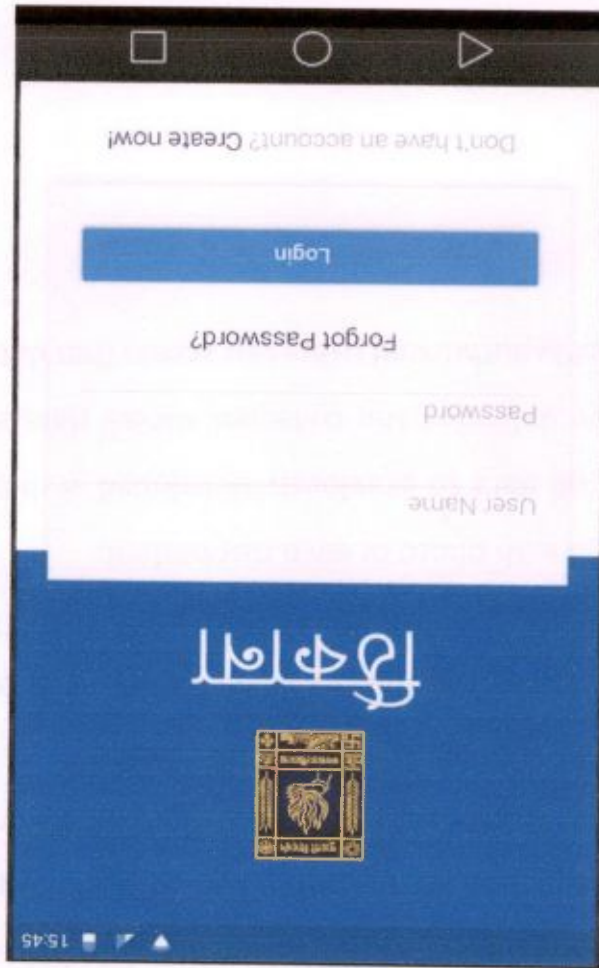
The developed application different kinds of information in various layers and retrieve information on clicks. It has search facilities. The users would have the facility to search from the existing database. The search facility would be provided in combination of different fields. It also has the features to include further surveyed data in future. The web system is such that on taking the cursor to the entity it the relevant information and photograph wherever available.

- Take Picture of Homeless people with a click
- Helps in layout and printing
- Gives information on click
- Spatial and non-spatial Queries
- Search Facilities
- Generates various MIS Report

General Features

Features of the developed application:

The application is completely network compliant and fetches and updates data from server via normal networking protocols. The software would be able to connect to any network database and performs database modifications corresponding to the locking protocols as per the RDBMS concepts. The software connects to an existing user and to existing database simultaneously.



Admin Login page Mobile application

S.No	Name	Age	Gender	Address	City	State	Pin Code	Mobile No.	Email	Registration Date	Status
1	John Doe	25	Male	123 Main St	New York	NY	10001	123-456-7890	john.doe@example.com	2023-01-01	Active
2	Jane Smith	30	Female	456 Elm St	Los Angeles	CA	90001	987-654-3210	jane.smith@example.com	2023-01-02	Active
3	Mike Johnson	28	Male	789 Oak St	Chicago	IL	60601	555-111-2222	mike.johnson@example.com	2023-01-03	Active
4	Sarah Brown	22	Female	321 Pine St	San Francisco	CA	94101	444-333-2222	sarah.brown@example.com	2023-01-04	Active
5	David Wilson	35	Male	654 Maple St	Seattle	WA	98101	222-333-4444	david.wilson@example.com	2023-01-05	Active
6	Emily Davis	27	Female	987 Cedar St	Portland	OR	97201	111-222-3333	emily.davis@example.com	2023-01-06	Active
7	Chris Miller	32	Male	101 Birch St	Denver	CO	80201	333-444-5555	chris.miller@example.com	2023-01-07	Active
8	Alice Taylor	29	Female	202 Spruce St	Phoenix	AZ	85001	666-777-8888	alice.taylor@example.com	2023-01-08	Active
9	Bob Anderson	31	Male	303 Ash St	San Diego	CA	92101	888-999-0000	bob.anderson@example.com	2023-01-09	Active
10	Grace White	26	Female	404 Hickory St	San Jose	CA	95101	000-111-2222	grace.white@example.com	2023-01-10	Active

Desktop Application Home page

CASE STUDY 1:

Name: Banwari Yadav (32 years old male)

Locality: Our survey team found him near "Netaji Sangha" on Mannohan Banerjee Road, which is under Ward No 118 of Borough XIII, KMC.

Banwari came to Kolkata in the year 2010 from Deoghar. He belongs from BPL family & never goes to school. From teenage he was addicted in Alcohol. To collect money for alcohol he became a mugger. After few years he caught by local police. Then his family members driven him from home & he came to Kolkata for some income. He works as a daily labour in temporary basis in various places in South Kolkata & earns Rs. 2100.00 per month. He has no permanent address & used to sleep Road Side/Footpath nearing his present place of Work. At the time of survey he was slightly drunk & we got above information regarding him.



CASE STUDY 2:

Name: Uttam Shit (55 years old male)

Locality: Our survey team found him near "Brahma Samaj Building" on Brahma Samaj Road, which is under Ward No 130 of Borough XIV, KMC.

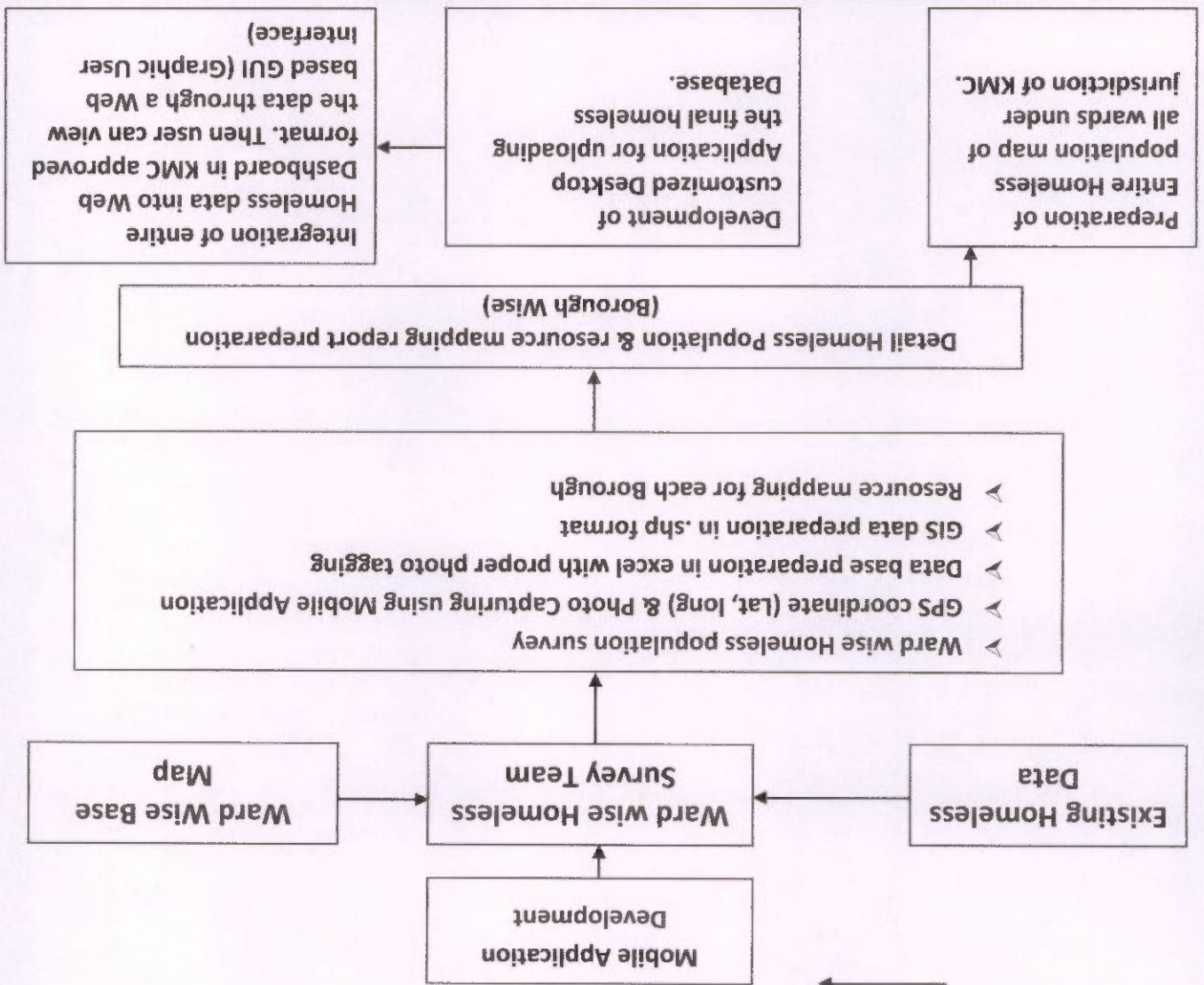
Uttam came to Kolkata in the year 2016 from Nandigram. He belongs from farmer family & he goes to school up to class four. Then he came to Kolkata for some income in the year 2016. He not knows anything except farming. So, he works as a beggar in various places in Behala & earns Rs. 1200.00 per month. He has no permanent address & used to sleep Road Side/Footpath nearing Brahma Samaj. At the time of survey he cries in front of our surveyors for his condition & he eagerly looking for a shelter from Govt.



Karmick's Project execution timeline

Zone No	Borough No	Total Number of Ward	Survey Start Date	Survey Completion Date	Final Data delivery Date (including GIS)	Homeless population Found
V	Borough XIII	7	11/3/2018	16/3/2018	19/3/2018	22
	Borough XIV	7	9/3/2018	10/3/2018	13/3/2018	24
	Borough XV	9	13/3/2018	14/3/2018	16/3/2018	10
	Borough XVI	7	13/3/2018	14/3/2018	20/3/2018	20
	Total	30				76

PROCESS FLOW DIAGRAM



System Implementation & Hosting

Our development was completed & the Web application was to be installed. The software would be installed in the Web server of KMC.

Following would be the Technical Requirements & Specification Required:

Operation System Platform Required – Linux Server (Apache 2.4), (PHP 7 to be installed)

Database – MySQL 5.6

Server Specification – HP Proliant DL 360 G6 or Equivalent – (2 in quantity, one main server & another is backup)

- Quad Core Intel Xeon E5504 Processor (2GHz, 80 Watts)
- 4 MB (1X4MB) Level 3 Cache
- 8 GB (4X2 GB) Standard; PC3 – 10600E (DDR3-1333) Un buffered
- HP Smart Array P410i zero memory Module
- 460W Hot Plug Power Supply
- Redundant RFK Std
- 1 TB SAS HDD

Internet Lease Line: 6 mbps for 40-50 Concurrent Users to implement secured internet, department need to put in a proper infrastructure of Router, virus protection and secured layers of both hard devices and software

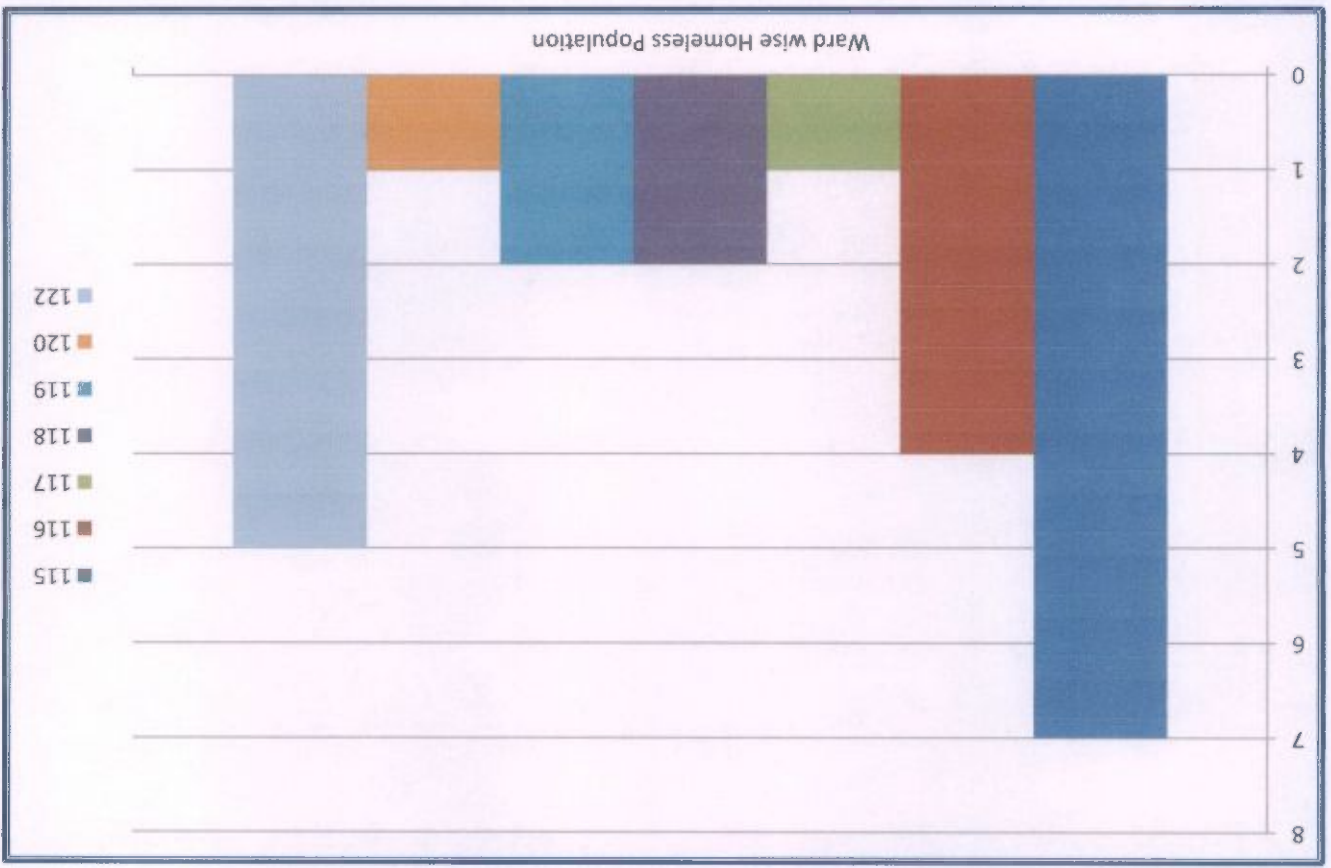
User System Specification – Any System with Internet Connection and Internet Explorer/Mozilla Firefox/Chrome Browser will be able to use the software.

Borough wise Project Output of Homeless Population Data Zone-V

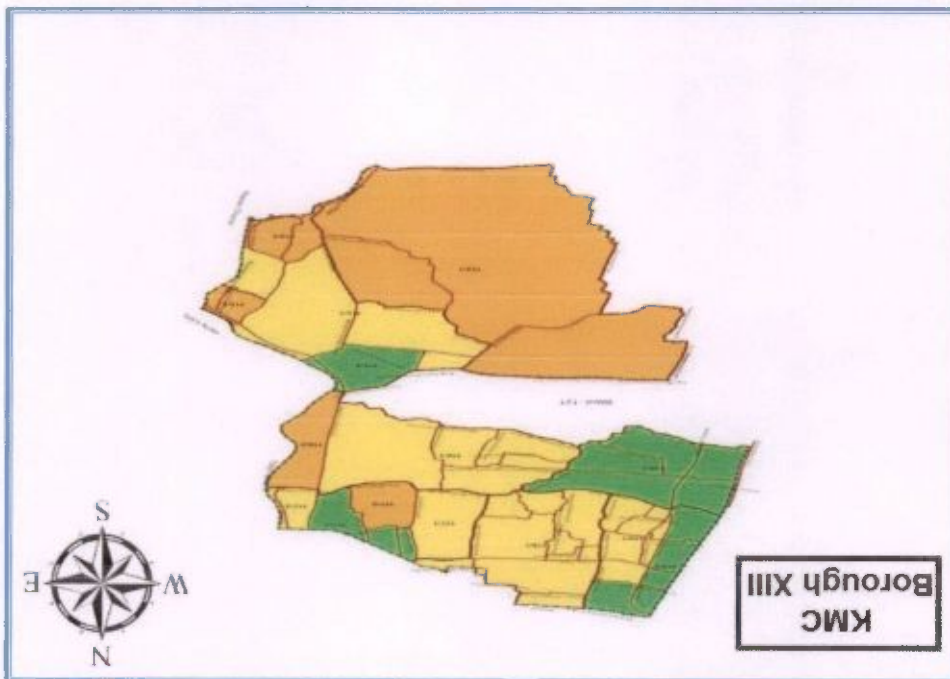
Detail of Homeless Population Data Borough-XIII

We have started field survey on 11/03/2018 & completed the entire survey job on 16/03/2018. We found following Homeless population data after survey.

Borough	Total number of wards	Ward No.	Homeless People found During Survey
XIII	7	115	7
		116	4
		117	1
		118	2
		119	2
		120	1
		122	5
		Total =	22



Project Area:

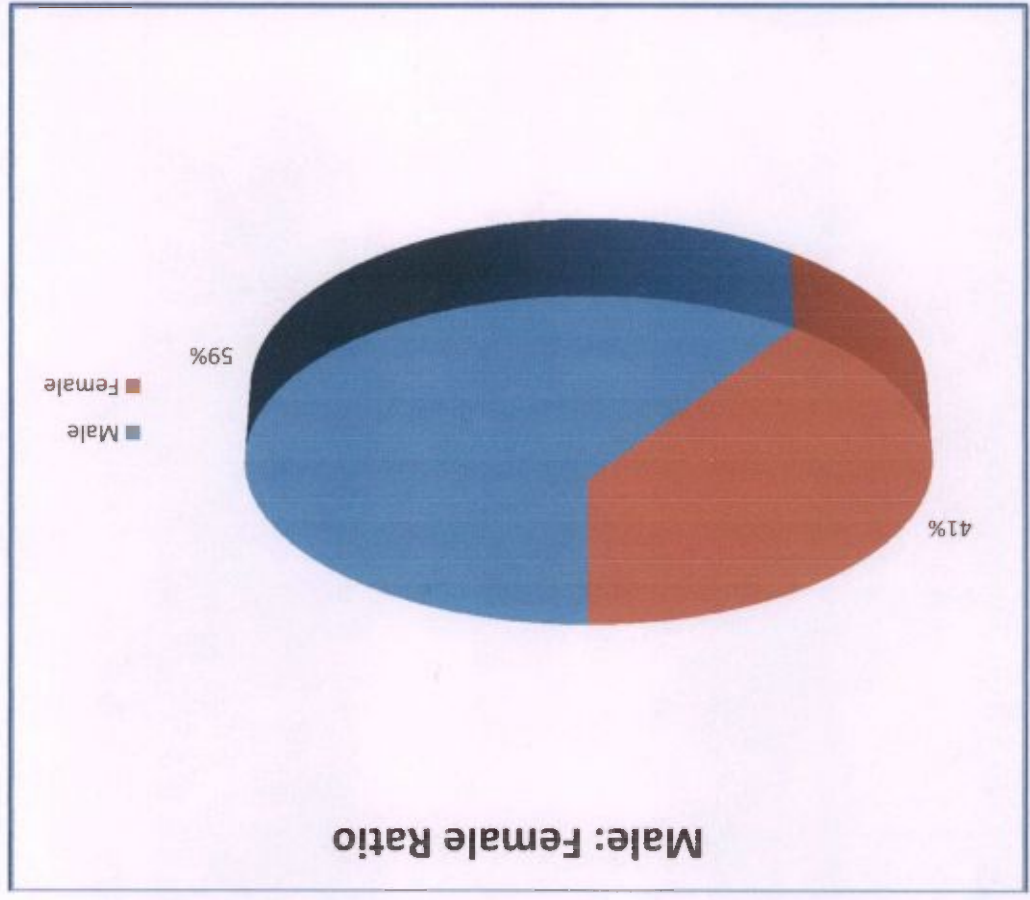


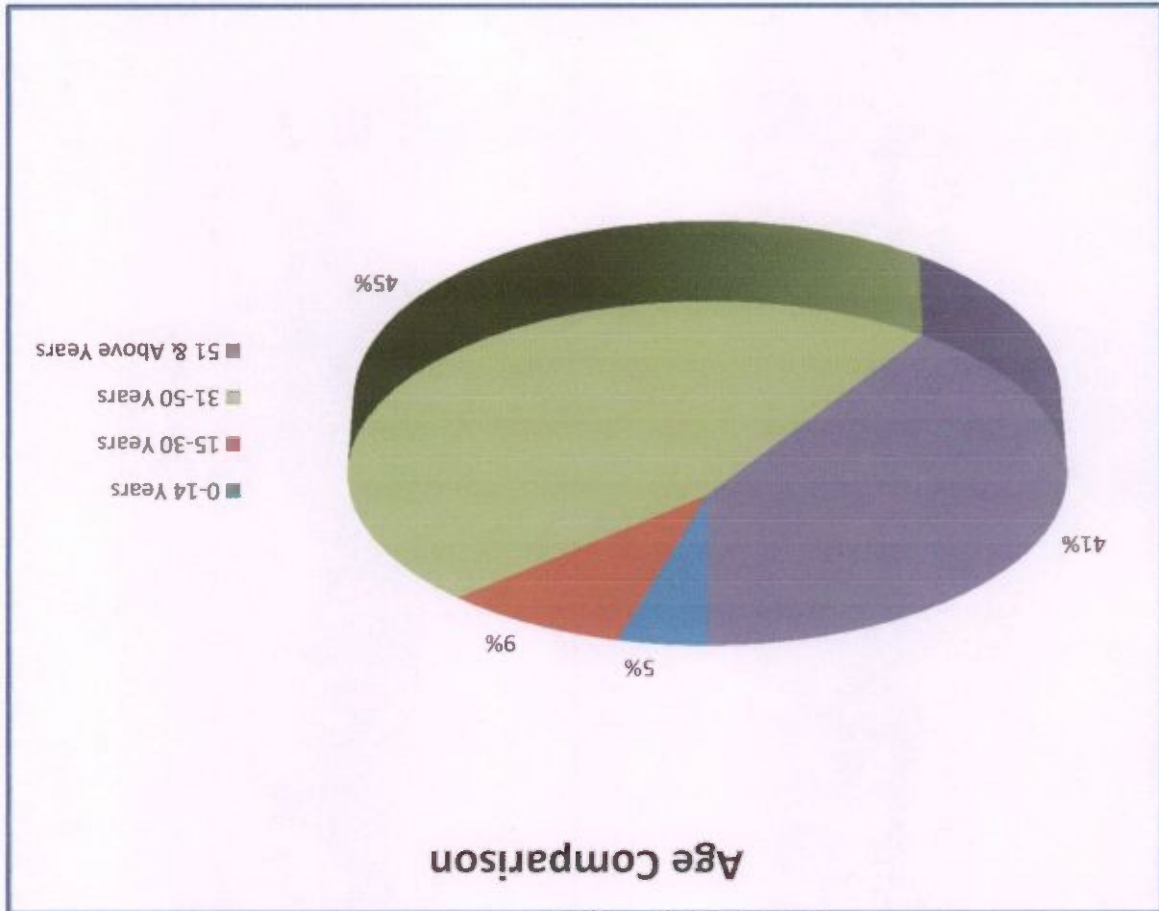
Ward No	Direction	Boundary Details
115	North	Raja Ram Mohan Roy Road and Tolly's Nullah
	South	Sodepur 2nd Lane and Haridevpur Road
	East	Keorapukur Khal
	West	Moti Lal Gupta Road and Mahatma Gandhi Road
116	North	Roy Bahadur A.C Roy Road and Pran Krishna Chandra Lane
	South	Pasupati Bhattacharjee Road
	East	Tolly's Nullah and B.L. Saha Road
	West	Bama Charan Roy Road and B.L. Saha Road
117	North	S.N.Roy Road and Tollygunge Circular Road
	South	Roy Bahadur A.C Roy Road and Pran Krishna Chandra Lane
	East	Tolly's Nullah
	West	Buro Sibata Main Road and B.L. Saha Road
118	North	South of New Allipore
	South	Roy Bahadur A.C Roy Road and S.N.Roy Road
	East	Buro Sibata Main Road
	West	Joy Krishna Paul Road, Sahapur Main Road and Bankpara Road.
119	North	South of New Allipore
	South	Roy Bahadur A.C Roy Road
	East	Joy Krishna Paul Road, Sahapur Main Road and Bankpara Road.
	West	Diamond Harbour Road
120	North	Roy Bahadur A.C Roy Road
	South	Bhupen Roy Road
	East	Bamacharan Roy Road
	West	Diamond Harbour Road
122	North	Raja Ram Mohan Roy Road, Sodepur 2nd Lane and Haridevpur Road
	South	Hem Chandra Mukherjee Road, Motilal Gupta Road and Dhalipara Road
	East	Mahatma Gandhi Road and Motilal Gupta Road
	West	Kalipada Mukherjee Road, Hem Chandra Mukherjee Road, Ishan Ghosh Road and Dhalipara Road.

Some more socio-economic findings are evaluated from this homeless people survey data under KMC Borough XIII.

1. Sex Ratio:

Borough	Ward No.	Sex Ratio
XIII		Male
		Female
	115	4
	116	2
	117	1
	118	2
	119	2
	120	0
	122	2
Total		13
		9



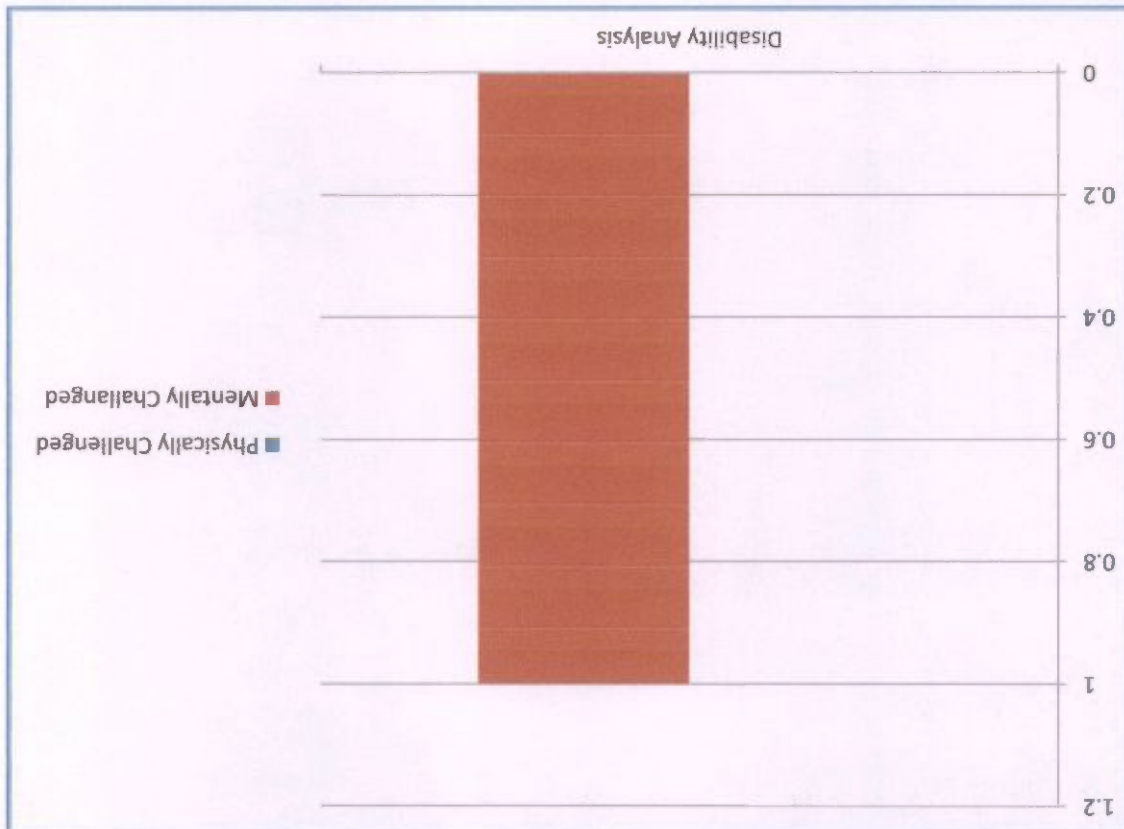


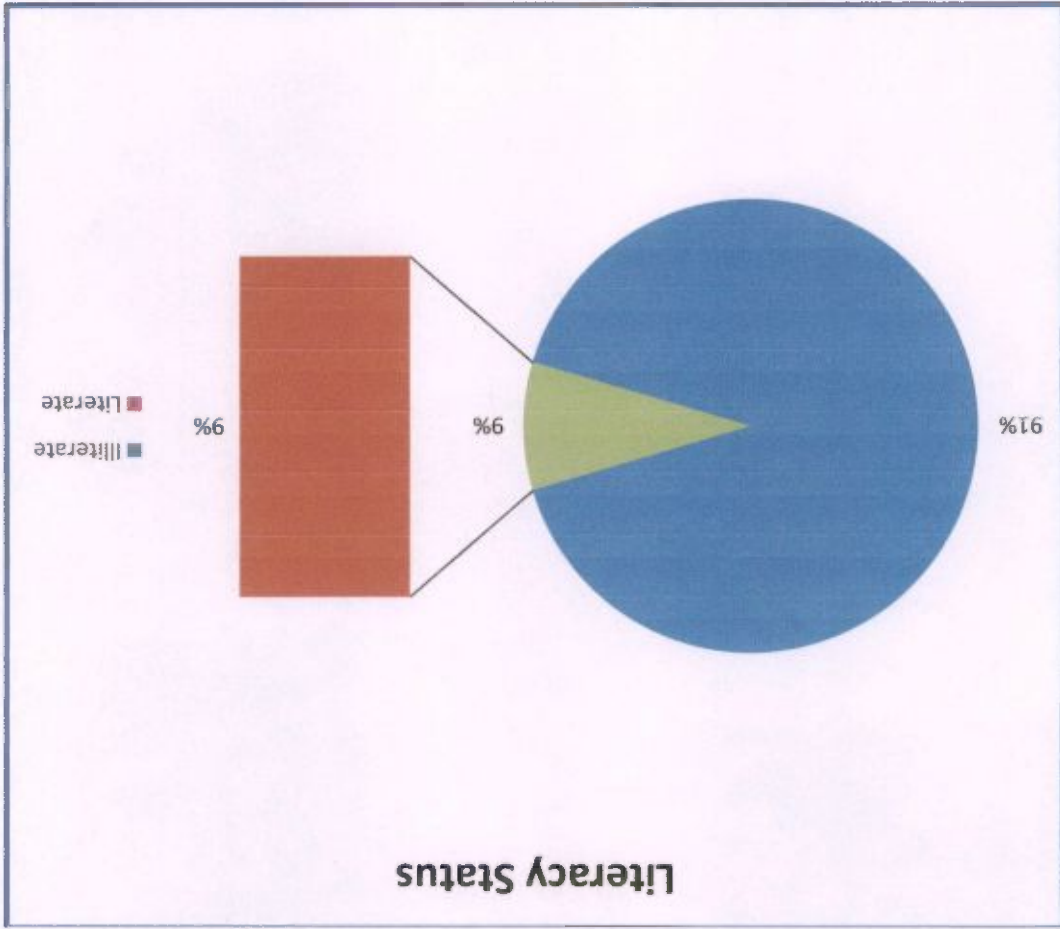
Borough	Ward No.	Age Comparison
XIII		0-14 Years
		15-30 Years
		31-50 Years
		51 & Above Years
	115	1
	116	0
	117	0
	118	0
	119	0
XIII	120	0
	122	0
	Total	1
		2
		10
		9
		3
		1
		0

2. Age Comparison:

3. Disability Analysis:

Borough	Ward No.	Disability Analysis
XIII	115	0
	116	0
	117	0
	118	0
	119	0
	120	0
	122	0
	Total	0
		Physically Challenged
		Mentally Challenged
		1





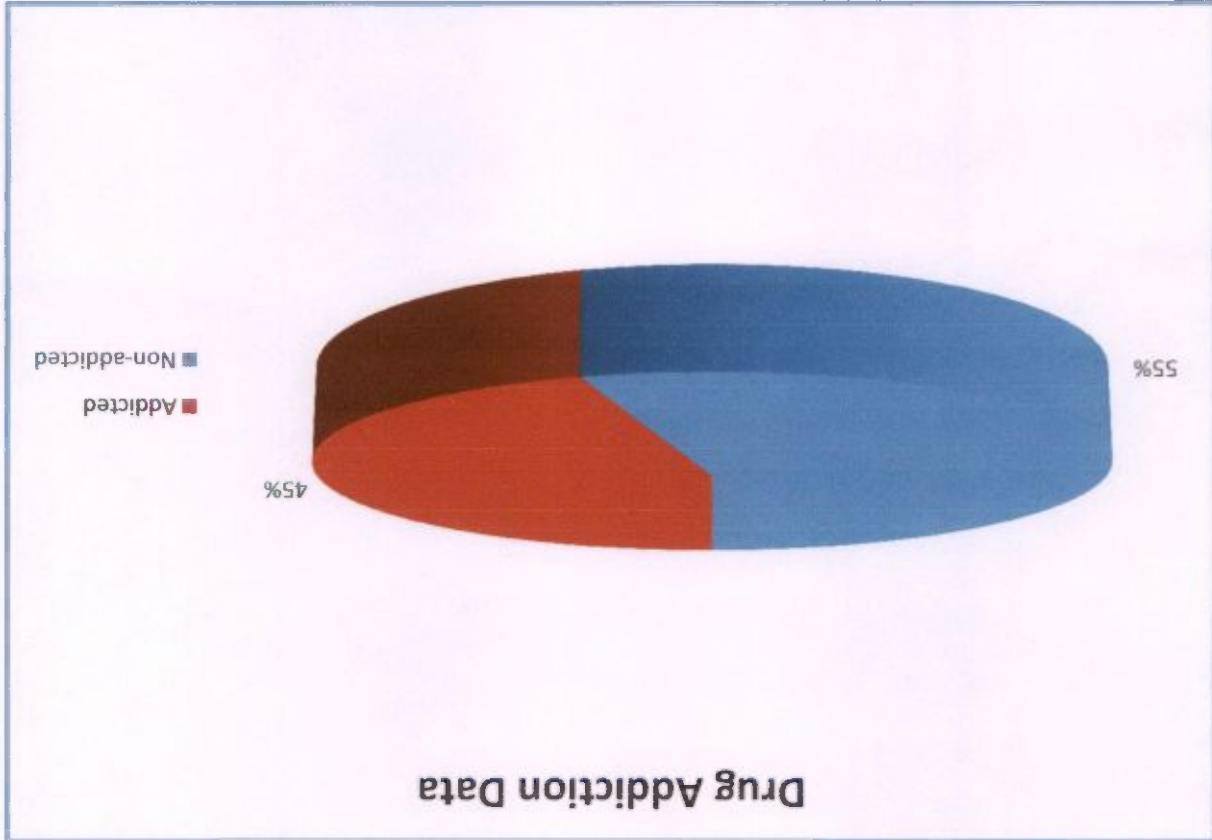
Borough	Ward No.	Literacy Status
XIII	115	7
	116	3
	117	1
	118	2
	119	2
	120	1
	122	4
	Total	20
		Literate

4. Literacy Status:

5. Occupation Analysis:

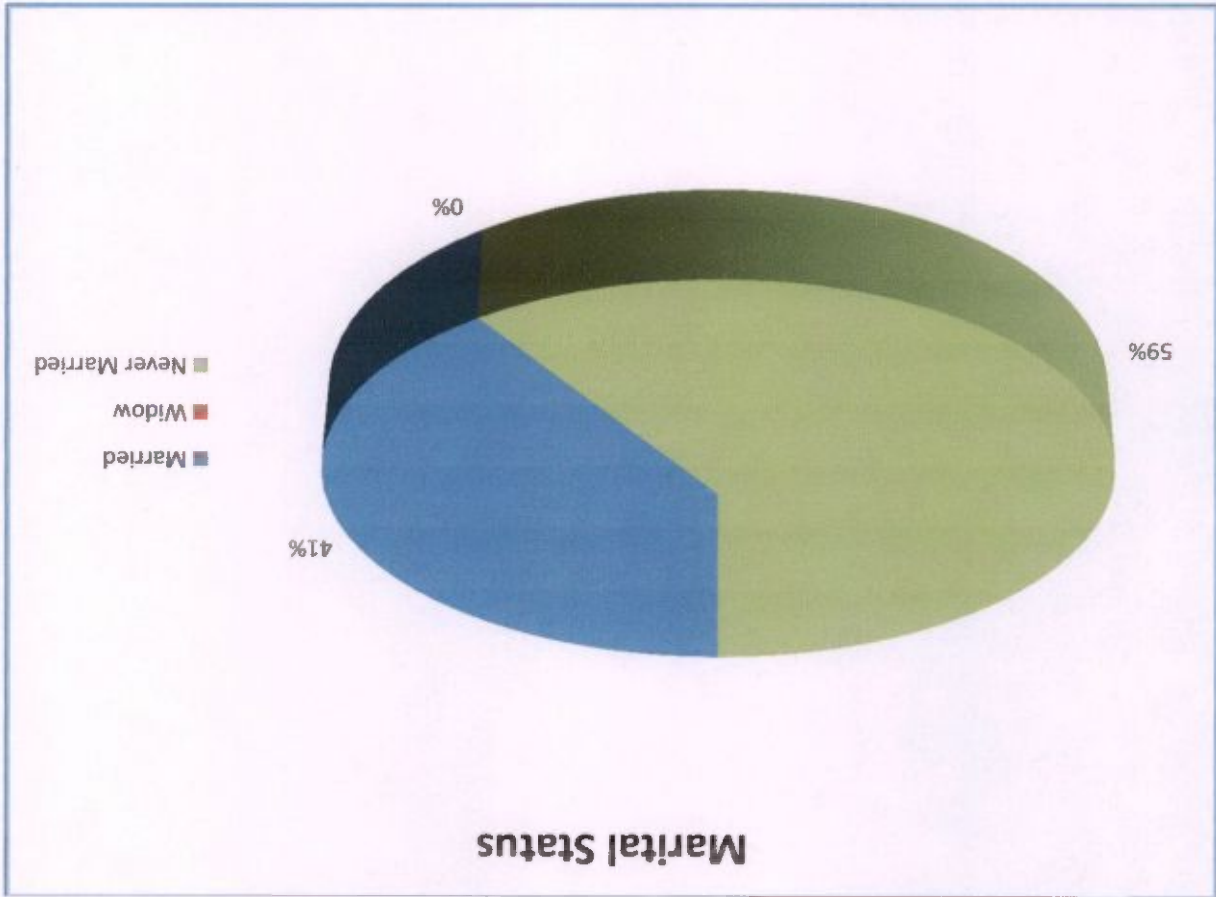
Borough	Ward No.	Occupation Analysis			
		Beggar	Daily Worker	Garbage Collector	Not Applicable
XIII	115	3	3	0	1
	116	2	1	1	0
	117	0	0	1	0
	118	1	1	0	0
	119	1	1	0	0
	120	0	0	1	0
	122	2	3	0	0
	Total	9	9	3	1





Borough	Ward No.	Drug Addiction Data	
XIII		Addicted	Non-addicted
	115	3	4
	116	1	3
	117	1	0
	118	2	0
	119	1	1
	120	0	1
	122	2	3
	Total	10	12

6. Drug Addiction Data:

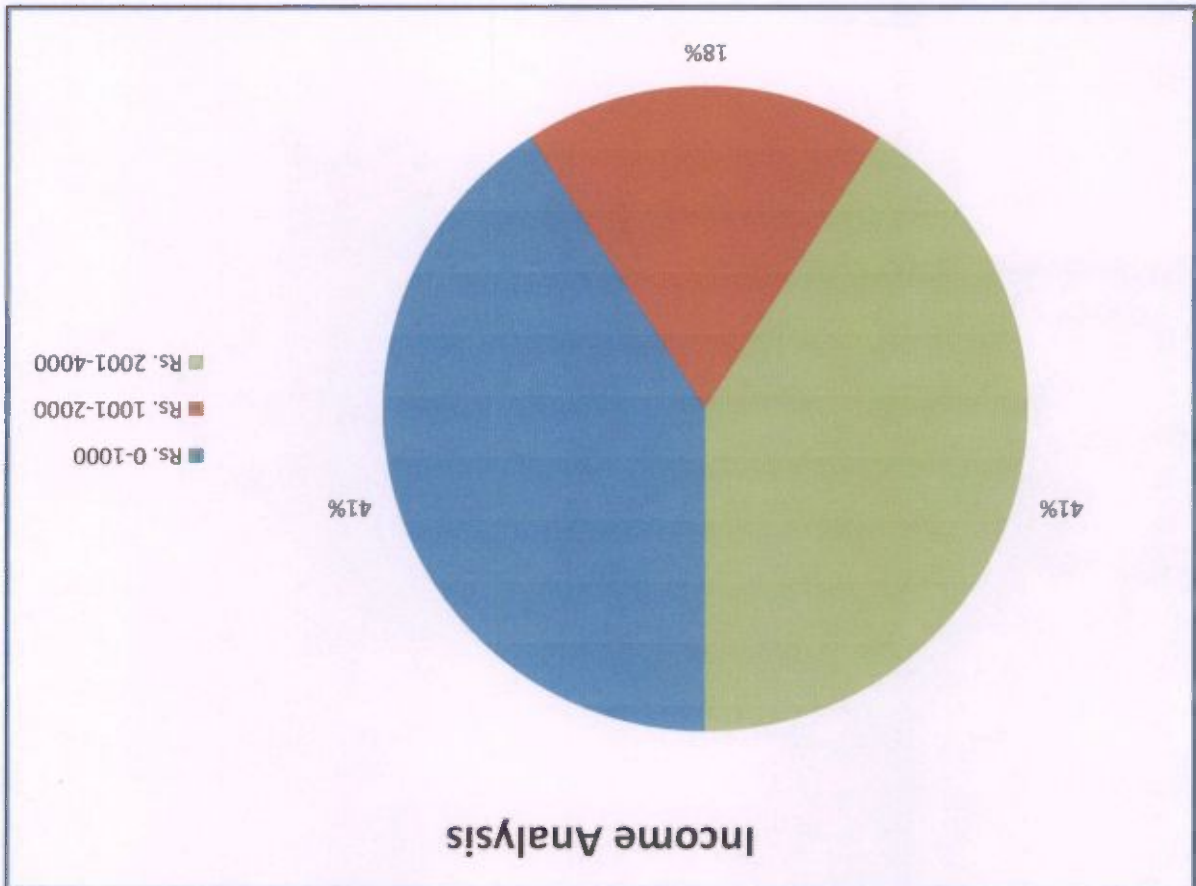


Borough	Ward No.	Marital Status		
		Married	Widow	Never Married
XIII	115	2	0	5
	116	1	0	3
	117	0	0	1
	118	0	0	2
	119	1	0	1
	120	1	0	0
	122	4	0	1
	Total	9	0	13

7. Marital Status:

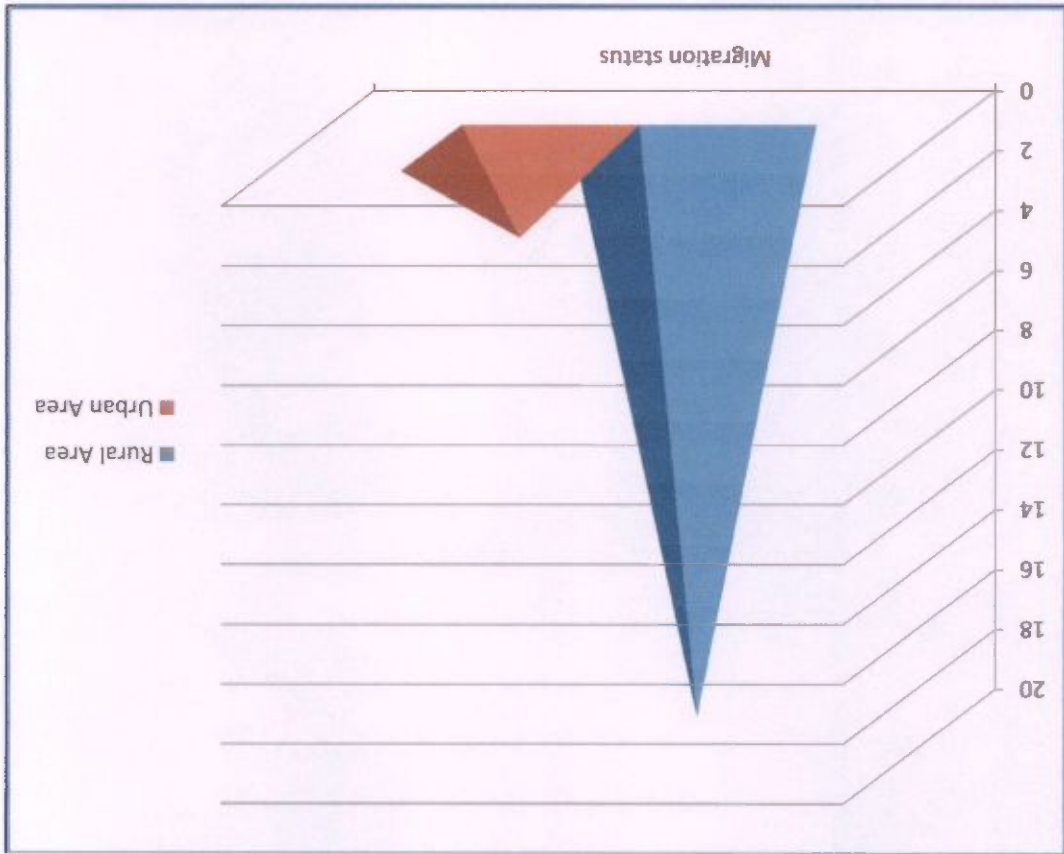
8. Income Analysis:

Borough	Ward No.	Income Analysis			
		Rs. 0-1000	Rs. 1001-2000	Rs. 2001-4000	
XIII	115	3	1	3	
	116	2	1	1	
	117	0	1	0	
	118	1	0	1	
	119	1	0	1	
	120	0	1	0	
	122	2	0	3	
	Total	9	4	9	



9. Migration Status

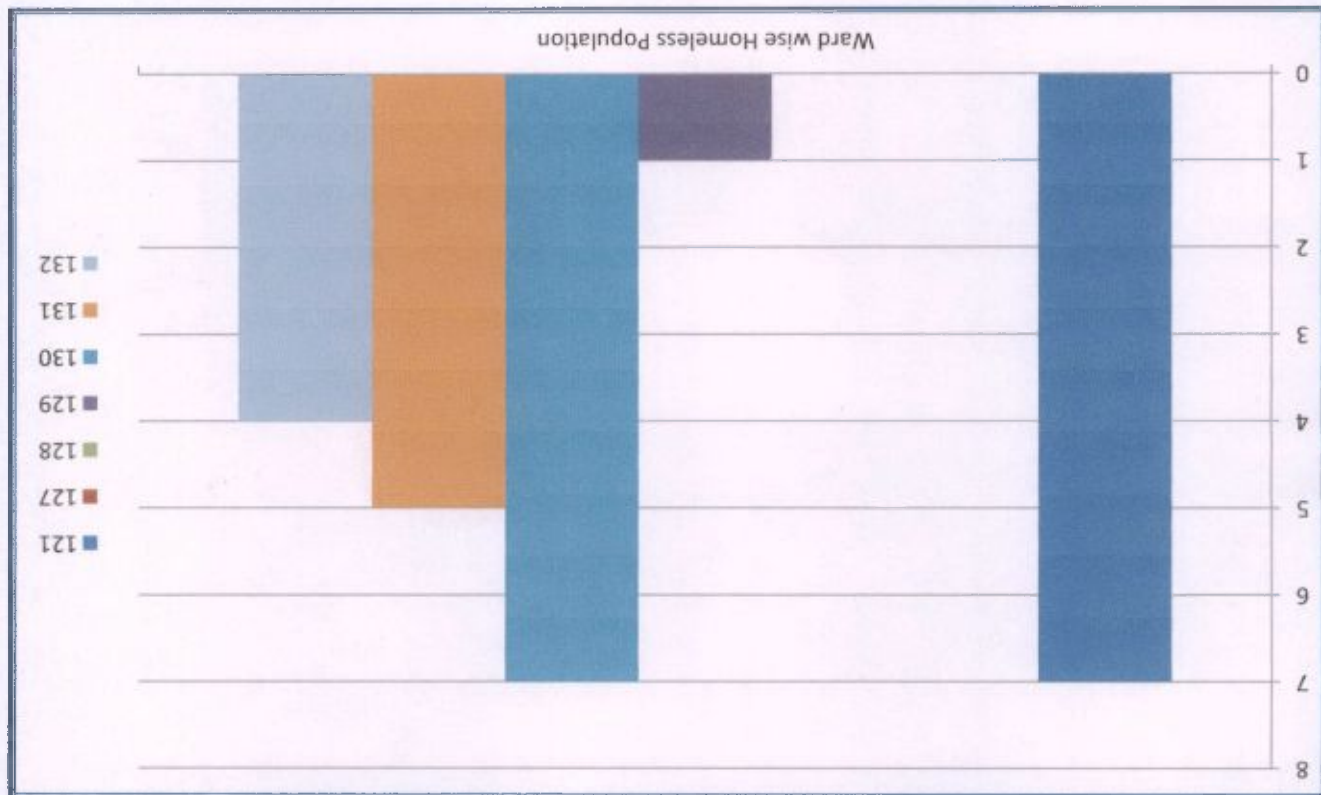
Borough	Ward No.	Migration Status
XIII	115	7
	116	3
	117	1
	118	2
	119	2
	120	0
	122	4
	Total	19
		Urban Area
		3



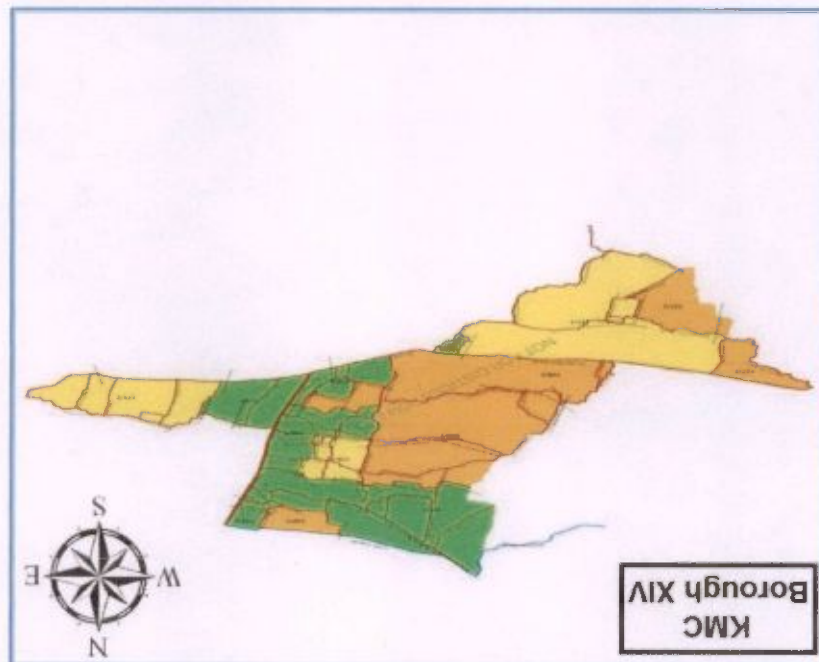
Detail of Homeless Population D Borough-XIV

We have started field survey on 09/03/2018 & completed the entire survey job on 1 found following Homeless population data after survey.

Borough	Total number of wards	Ward No.	Homeless People Found during Survey
XIV	7	121	7
		127	0
		128	0
		129	1
		130	7
		131	5
		132	4
		Total	24



Project Area:

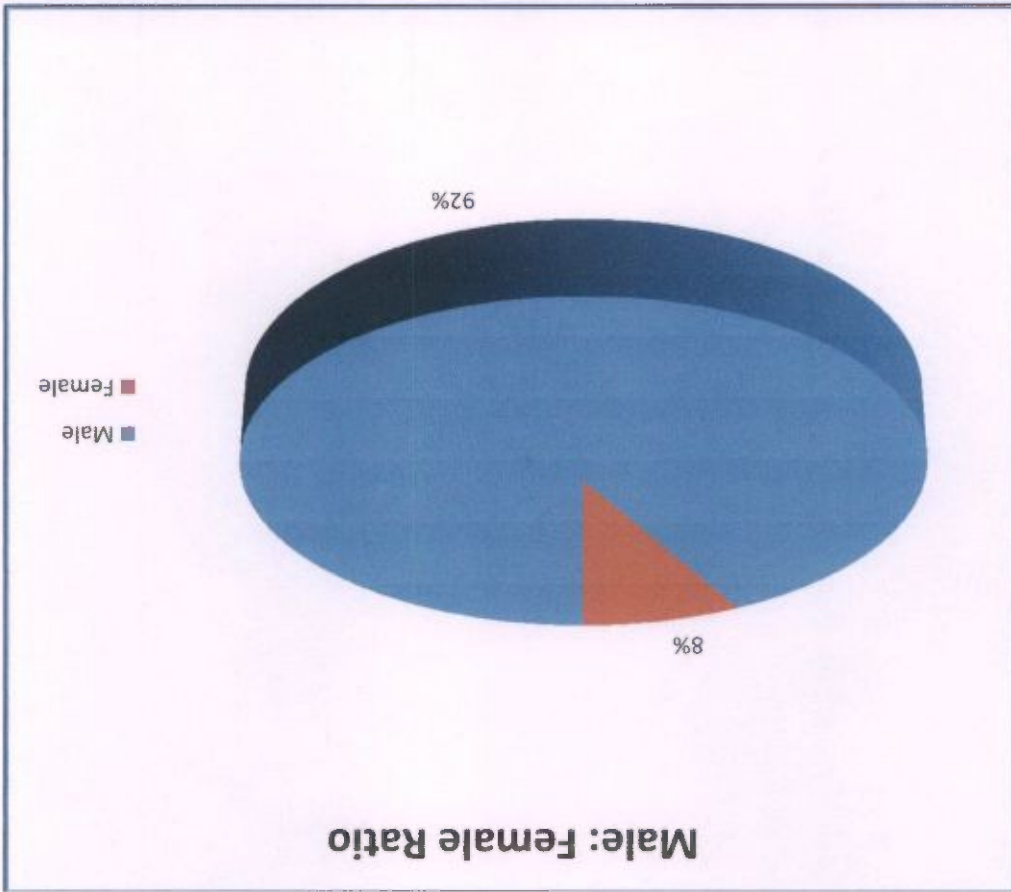


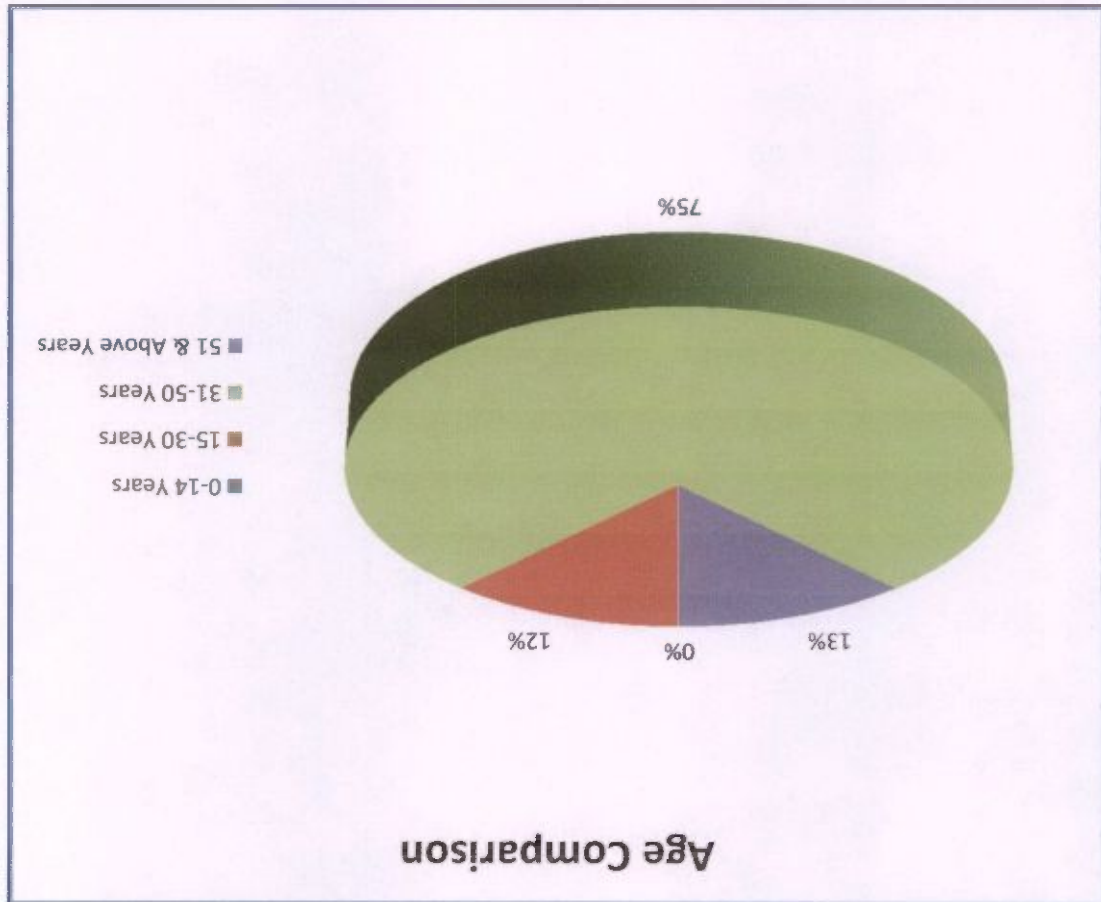
Ward No	Boundary	Details
121	North	Bhupen Roy Road and Pasupati Bhattacharjee Road
	South	Raja Ram Mohan Roy Road
	East	Raja Ram Mohan Roy Road and B.L.Saha Road
	West	Diamond Harbour Road and Bama Charan Roy Road
127	North	Ho Chi Minh Sarani
	South	Sarsuna Mouza, Sibarampur Mouza & Sibarampur Road
	East	Baghpota Road, Jadav Ghosh Road and Sarsuna Main Road
	West	Sarsuna Mouza, Sonakukhi Mouza, Sibarampur Mouza.
128	North	Parui Mouza, Parui Daspara Road, Parui Kancha Road and Dr. A.K Paul Road.
	South	Ho Chi Minh Sarani
	East	Diamond Harbour Road
	West	Bededanga Road, Parui Mouza.
129	North	Pallishri and Maharani Indira Debi Road
	South	Parui Daspara Road and Parui Kancha Road
	East	Kazipara Road, Goalpara Road, Gopal Misra Road and Becharam Chatterjee Road.
	West	Parui Mouza, Mahendra Banerjee Road, Behala Mouza.
130	North	Netaji Subhas Road
	South	Fakir Para Road and Dr. A.K. Paul Road
	East	Diamond Harbour Road
	West	Kazipara Road, Goalpara Road, Gopal Mishra Road and Becharam Chatterjee Road
131	North	Upendra Nath Banerjee Road and Bonomali Naskar Road
	South	Jinhira khal, Pallibari, Maharani Indira Debi Road and Netaji Subhas Road
	East	Diamond Harbour Road and Khudiram Bose Sarani
	West	Jinhira khal
132	North	The Canal
	South	Upendra Nath Banerjee Road and Bonomali Naskar Road
	East	Diamond Harbour Road
	West	Junction of Upendra Nath Banerjee Road and the Canal

Some more socio-economic findings are evaluated from this homeless people survey data under KMC Borough XIV.

1. Sex Ratio:

Borough	Ward No.	Sex Ratio
XIV	121	0
	127	0
	128	0
	129	1
	130	1
	131	0
	132	0
	Total	22
	Male	2
	Female	20



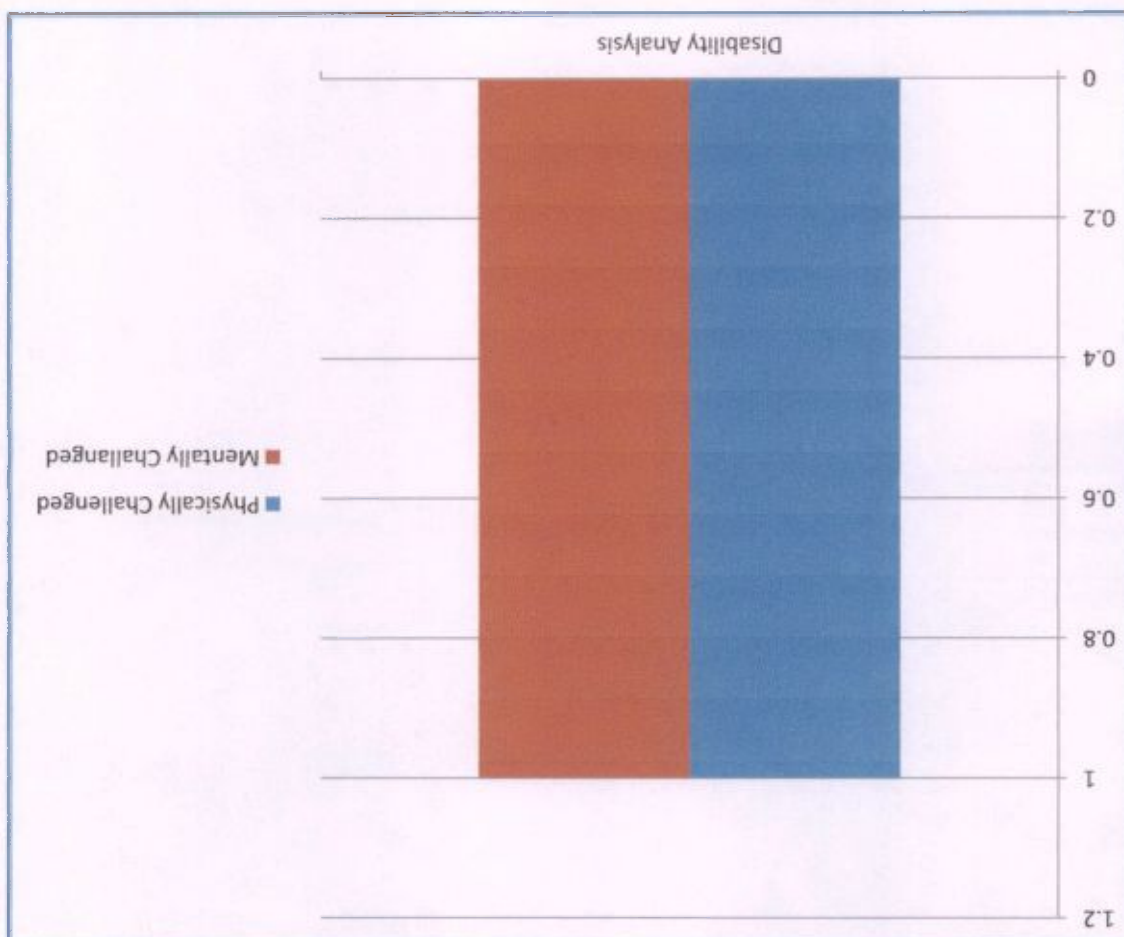


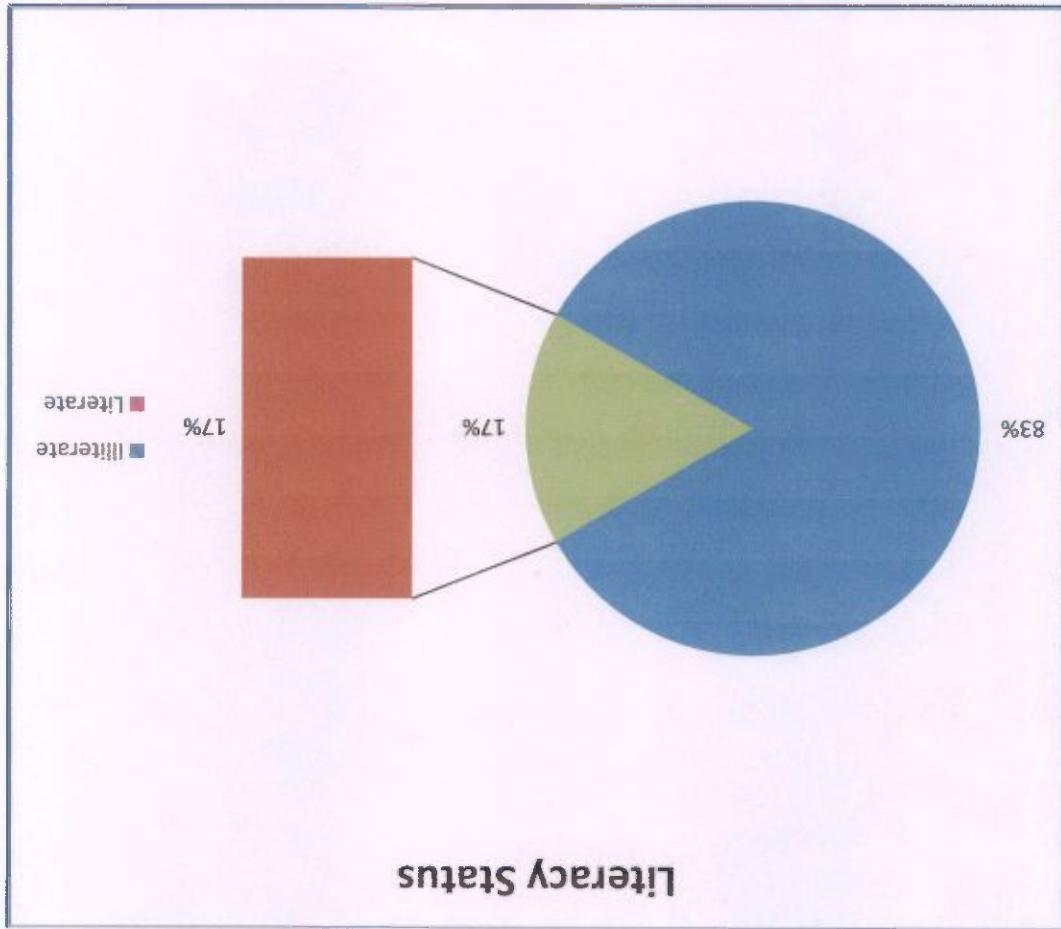
Borough	Ward No.	Age Comparison			
XIV		0-14 Years	15-30 Years	31-50 Years	51 & Above Years
	121	0	2	5	0
	127	0	0	0	0
	128	0	0	0	0
	129	0	0	1	0
	130	0	0	5	2
	131	0	1	3	1
	132	0	0	4	0
	Total	0	3	18	3

2. Age Comparison:

3. Disability Analysis:

Borough	Ward No.	Disability Analysis
XIV	121	0
	127	0
	128	0
	129	0
	130	1
	131	0
	132	0
	Total	1
		Physically Challenged
		Mentally Challenged



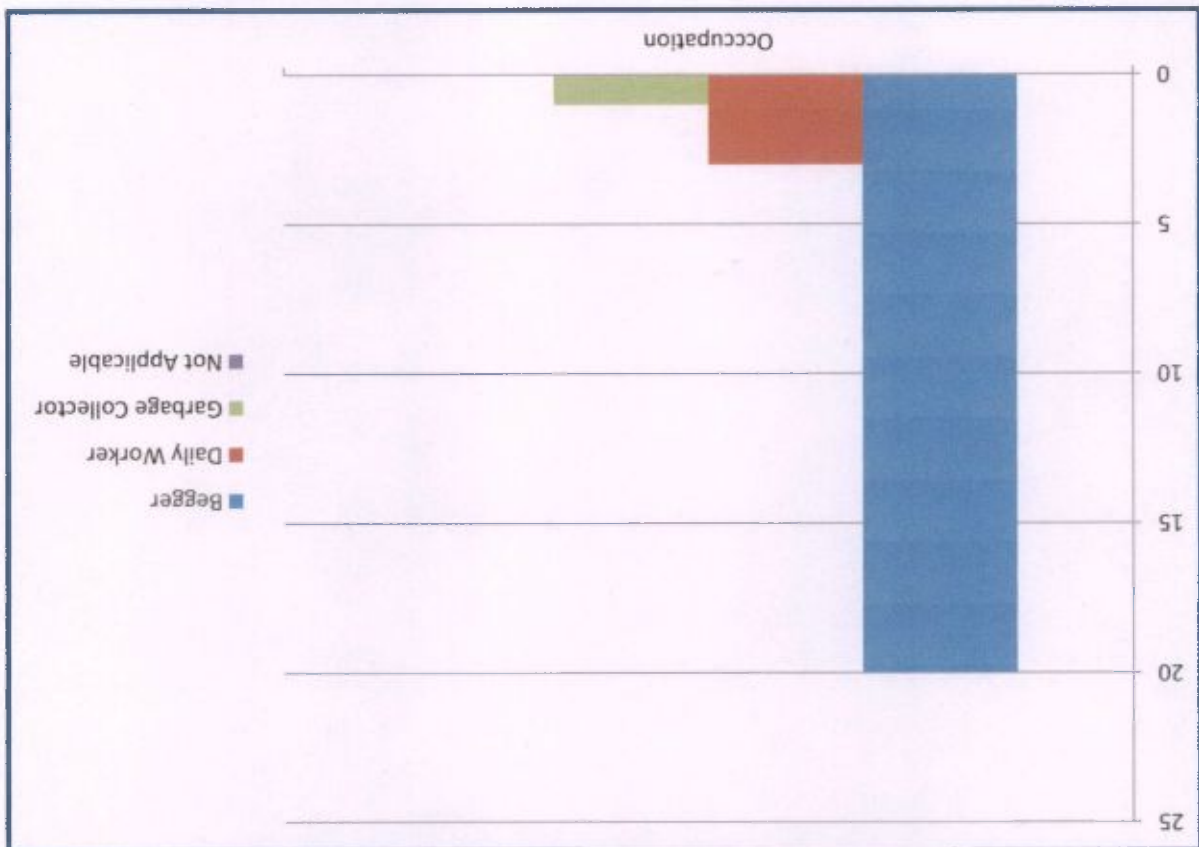


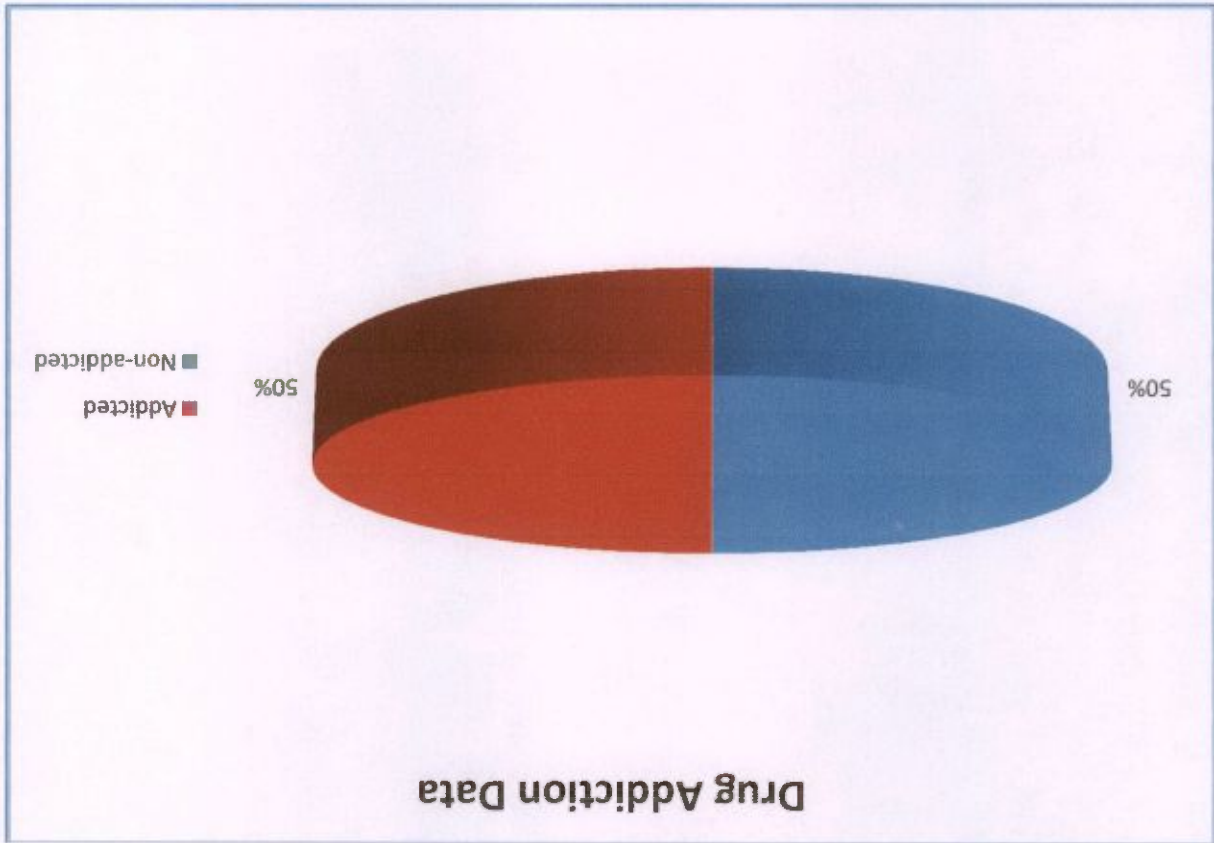
Borough	Ward No.	Literacy Status	
XIV	121	6	1
	127	0	0
	128	0	0
	129	1	0
	130	6	1
	131	5	0
	132	2	2
	Total	20	4
		Illiterate	Literate

4. Literacy Status:

5. Occupation Analysis:

Borough	Ward No.	Occupation Analysis				
		Beggar	Daily Worker	Garbage Collector	Not Applicable	
XIV	121	4	2	1	0	
	127	0	0	0	0	
	128	0	0	0	0	
	129	1	0	0	0	
	130	7	0	0	0	
	131	4	1	0	0	
	132	4	0	0	0	
	Total	20	3	1	0	





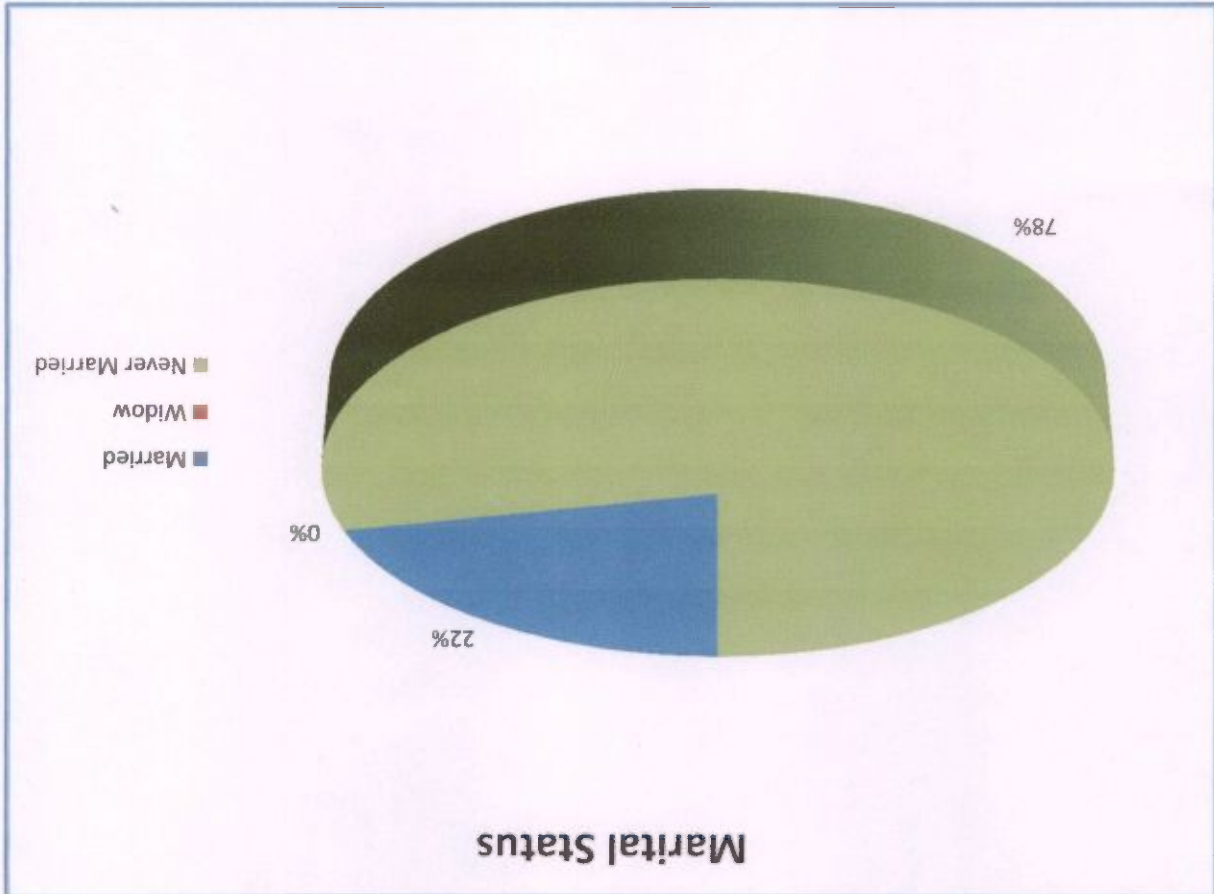
Borough	Ward No.	Drug Addiction Data	
XIV		Addicted	Non-addicted
	121	2	5
	127	0	0
	128	0	0
	129	0	1
	130	4	3
	131	3	2
	132	3	1
	Total	12	12

6. Drug Addiction Data:

7. Marital Status:

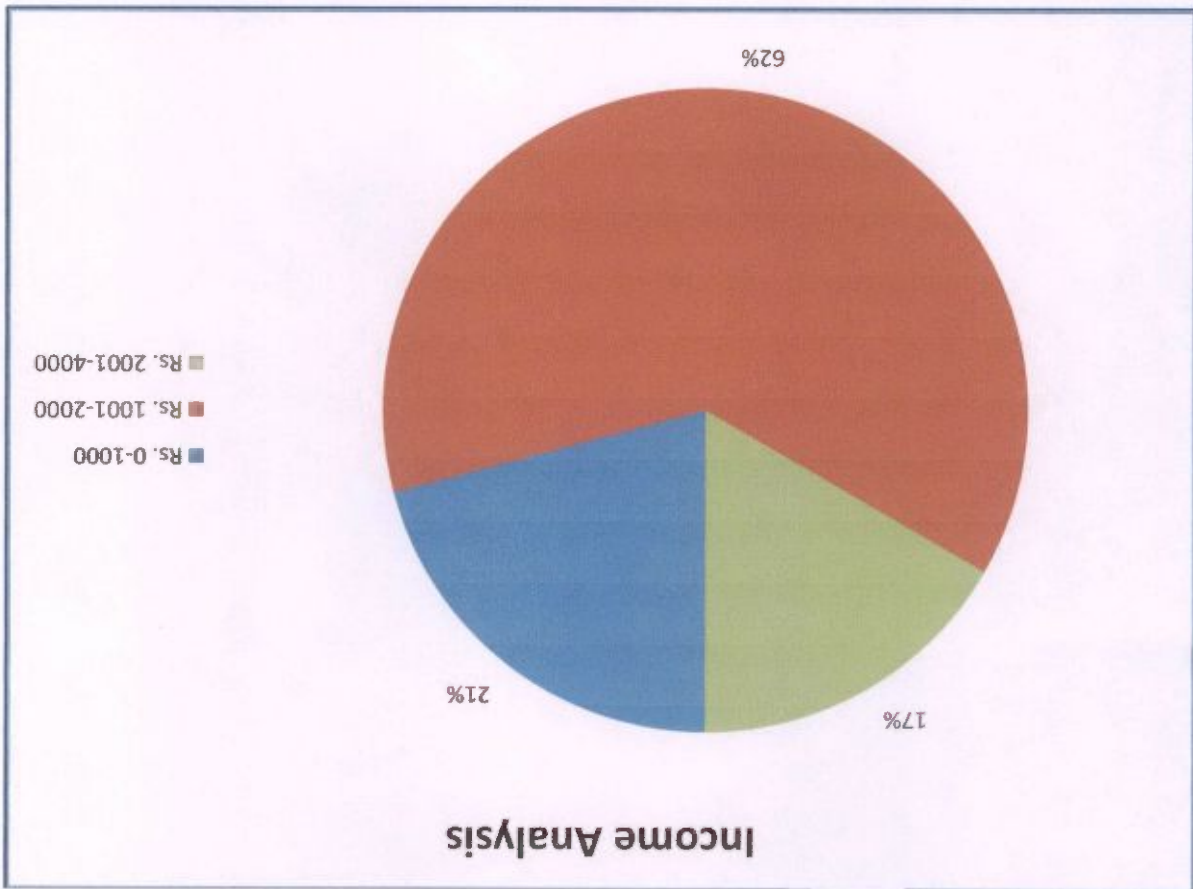
Borough	Ward No.	Marital Status		
		Married	Widow	Never Married
XIV	121	2	0	5
	127	0	0	0
	128	0	0	0
	129	1	0	0
	130	1	0	5
	131	1	0	4
	132	0	0	4
	Total	5	0	18

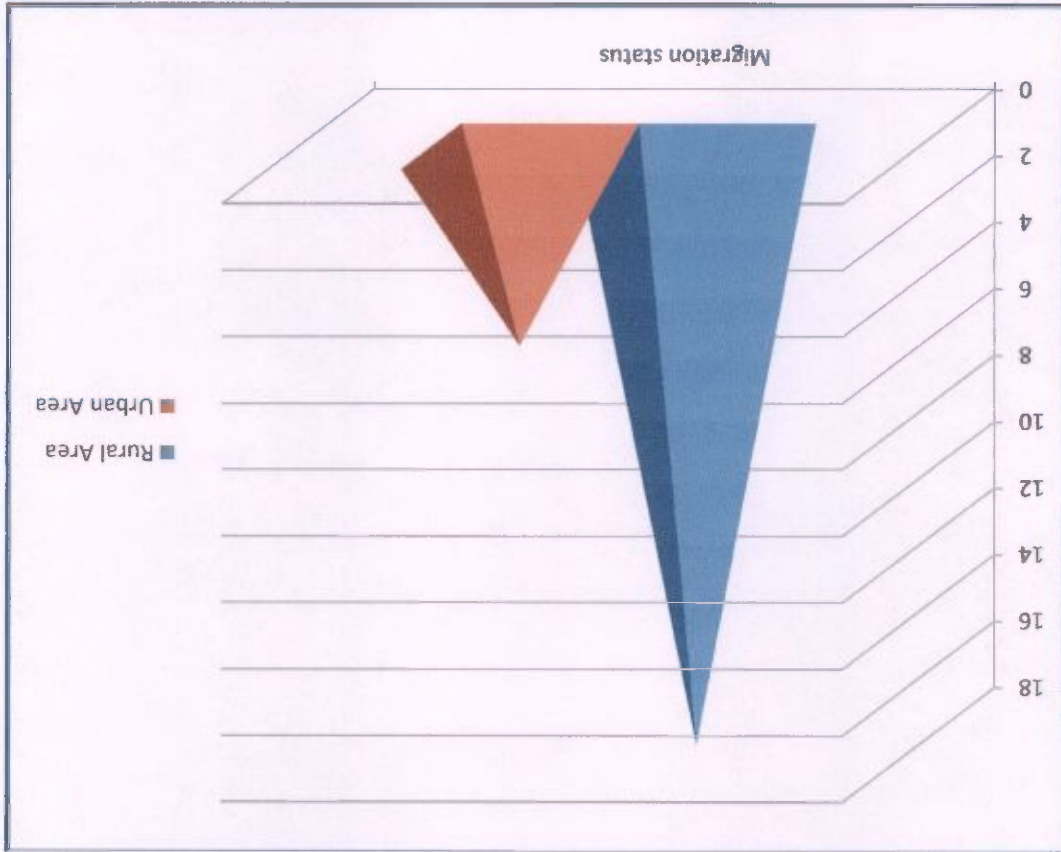
Marital Status



8. Income Analysis:

Borough	Ward No.	Income Analysis			
		Rs. 0-1000	Rs. 1001-2000	Rs. 2001-4000	
XIV	121	0	4	3	
	127	0	0	0	
	128	0	0	0	
	129	1	0	0	
	130	4	3	0	
	131	0	4	1	
	132	0	4	0	
	Total	5	15	4	





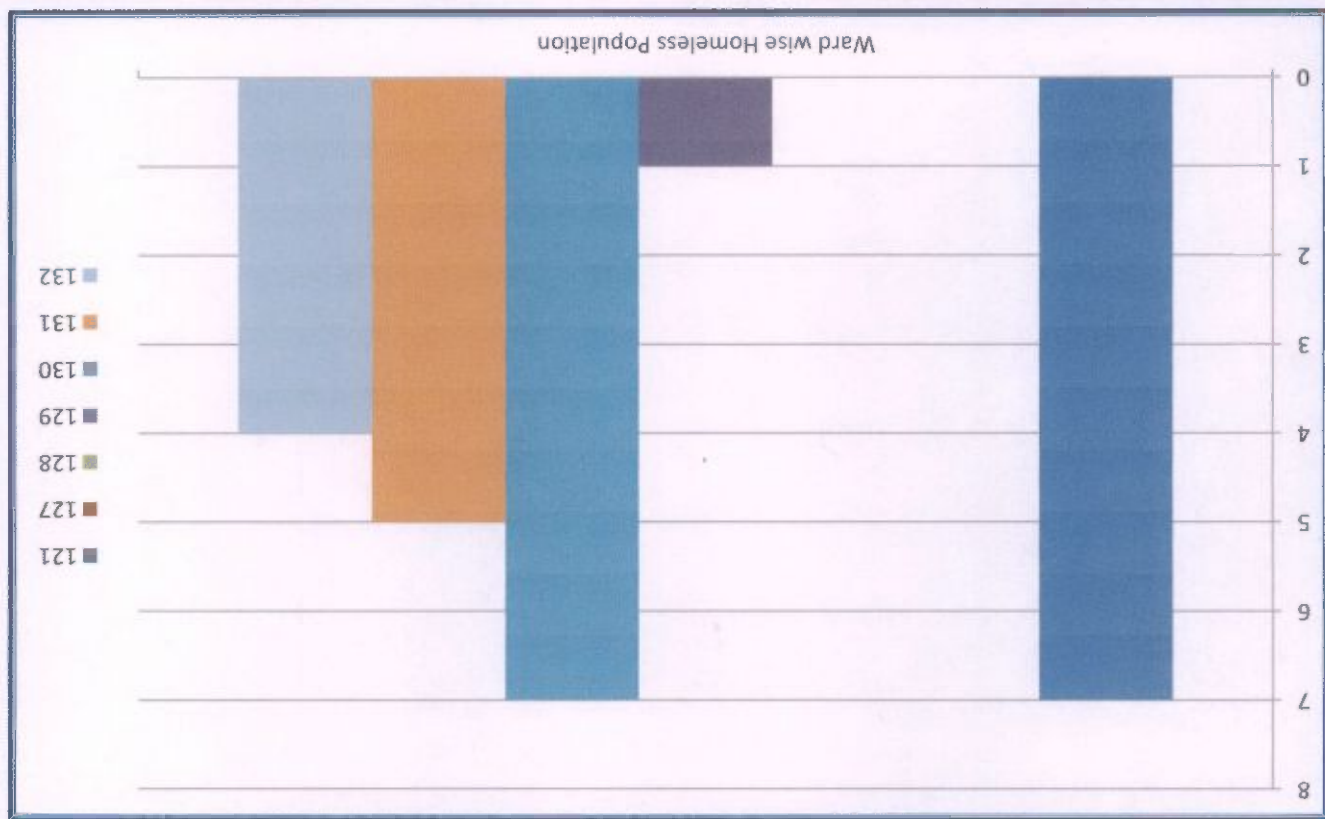
Borough	Ward No.	Migration Status
XIV	121	7
	127	0
	128	0
	129	1
	130	4
	131	4
	132	2
	Total	18
		Urban Area
		6

9. Migration Status

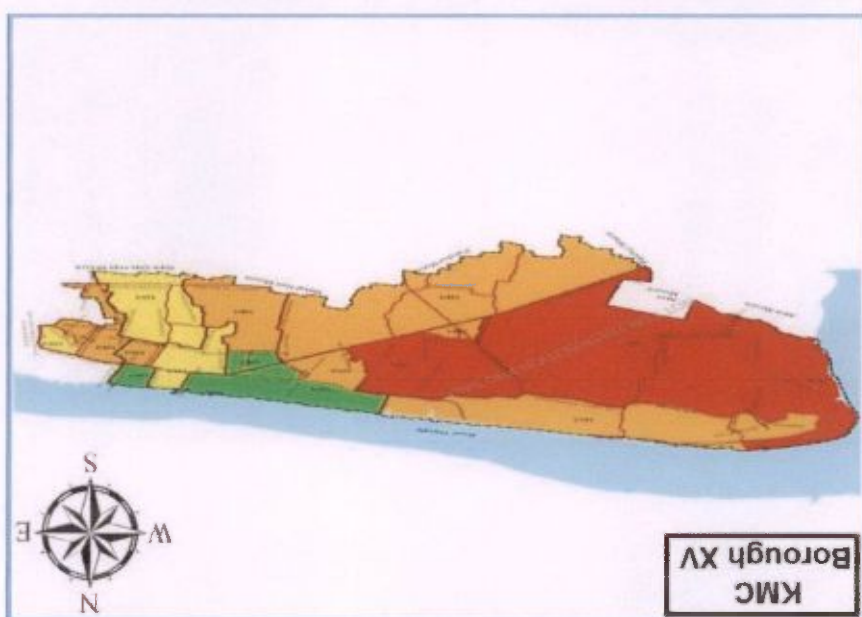
Detail of Homeless Population Data Borough-XV

We have started field survey on 13/03/2018 & completed the entire survey job on 14/03/2018. We found following Homeless population data after survey.

Borough	Total number of wards	Ward No.	Homeless People Found during Survey
XV	9	133	1
		134	0
		135	3
		136	0
		137	2
		138	1
		139	2
		140	1
		141	0
		Total	10



Project Area:



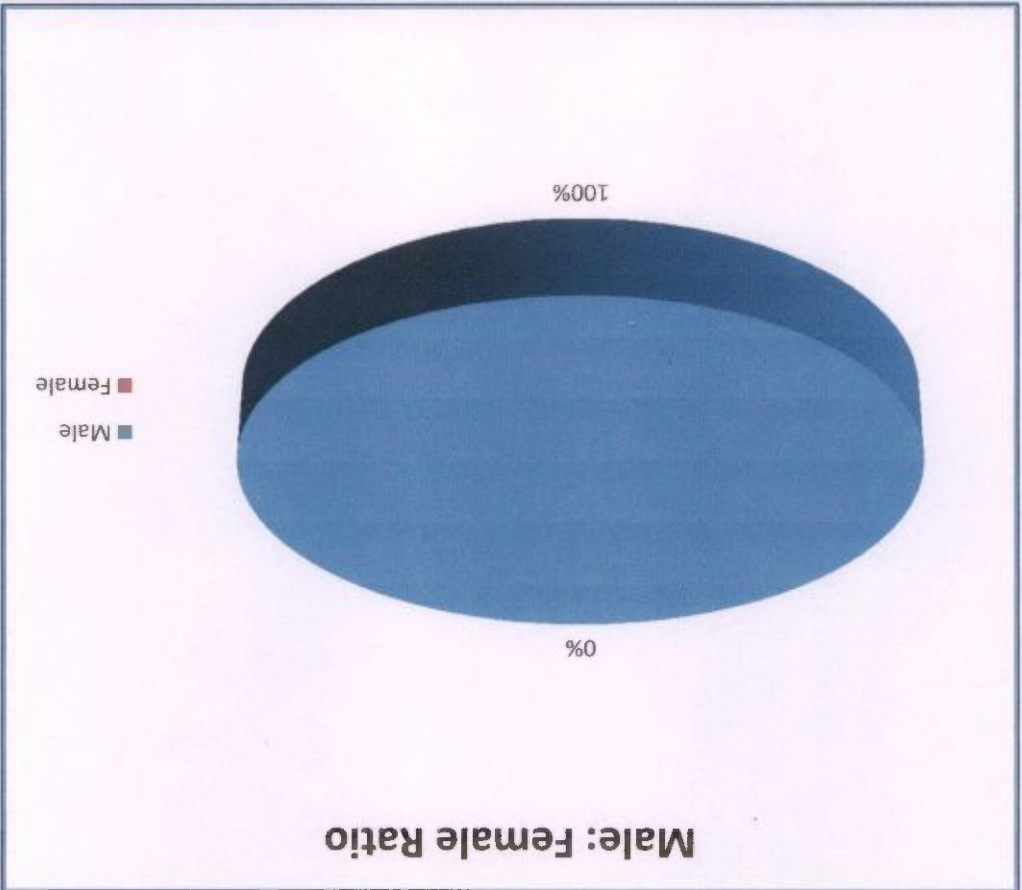
Ward No	Boundary	Details
133	North	Rameshwarpur Road, Ramnagar Lane (West), Haribabu's Pally Bye Lane, Paharpur Road, and Mudialy 1 st Lane
	South	Northern boundary of Ramdashati Mouza
	East	Metharpara Lane, Azahar Molla Bagan, Hari babu's Pally Bye-Lane and Trenching Ground Road
	West	Mudialy 1 st Lane, Fatehpur 2 nd Lane and Fatehpur 1 st Lane
134	North	Southern bank of River Hooghly and Garden Reach Road
	South	Garden Reach Road, Dhanksheti Khal, Hari Babu's Pally Bye-Lane, Paharpur Road, Ramnagar Lane (East) and Circular Garden Reach Road.
	East	Prince Dilwarjah Lane, Western boundary of Port Commissioner's land and Banerjee Bagan Lane
	West	Iron Gate Road, Dhanksheti Khal, Methapara Lane, Azahar Molla Bagan Lane and Hari Babu's Pally Bye-Lane
135	North	Southern Bank of river Hooghly and Garden Reach Road and Dhanksheti Khal
	South	Ramnagar Lane (West), Rameswarpur Road, Mudialy Road and Mudialy 1 st Lane
	East	Iron Gate Road, Dhanksheti Khal, Mudialy 1 st Lane and Mudialy Road
	West	Bichalighat Road and Mudialy Road

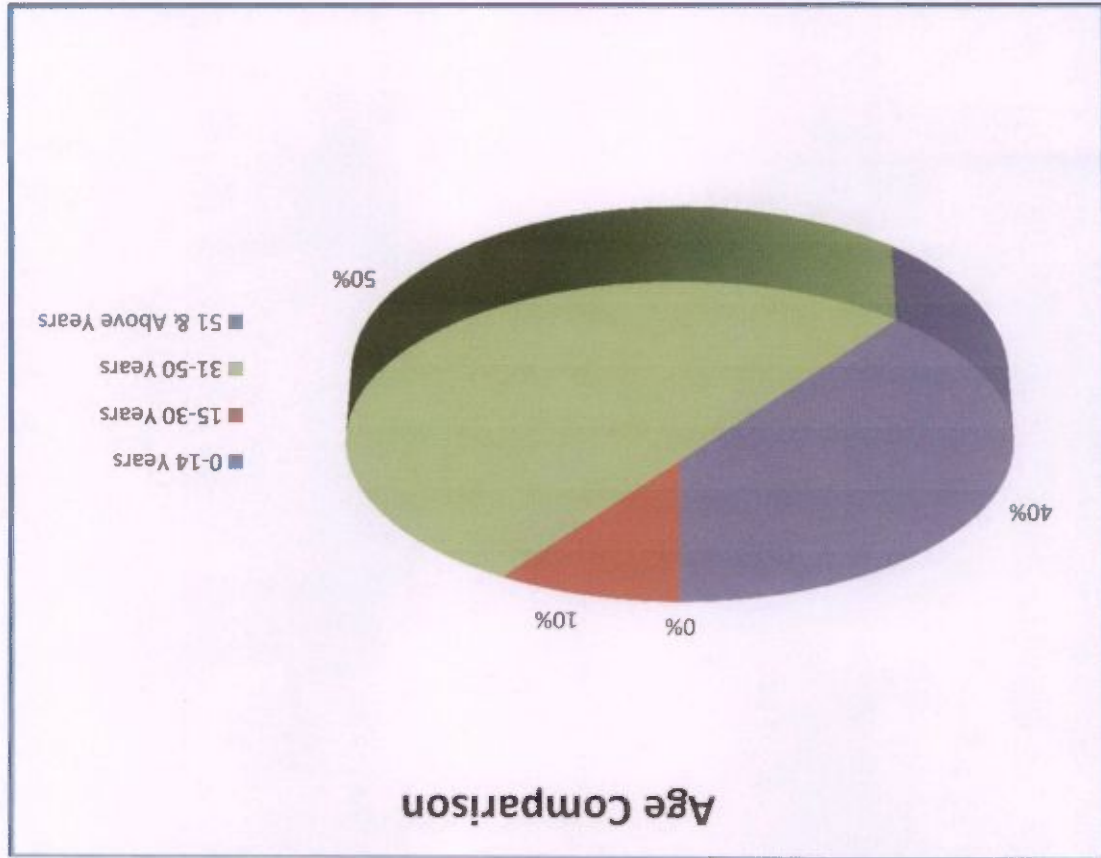
136	North	S.A. Farooque Road and Mudiya Road
	South	Northern boundary of Ramdashati Mauza
	East	Mudiya Road, Fatehpur 2 nd Lane and Fatehpur 1 st Lane
	West	Shimpukur Lane, Santoshpur Road and Mudiya Road
137	North	Southern Bank of river Hooghly and Garden Reach Road
	South	Garden Reach Road, S.A. Farooque Road and Halderpara Lane
	East	Bichalighat Road
	West	Murray Road and Halderpara Lane and a line drawn between southern bank of river Hooghly and Garden Reach Road
138	North	Dr. Abdul Khabir Road, Garden Reach Road and Halderpara Lane
	South	S.A. Farooque Road
	East	Murray Road and Halderpara Lane
	West	Railway siding, Railway siding (From Dr. Abdul Khabir Road to the point where it meets Panchpara Road) and Panchpara Road.
139	North	S.A. Farooque Road
	South	Northern boundaries of Panchur and Makalhati Mauzas.
	East	Shimpukur Lane and Santoshpur Road
	West	Eastern boundary of Panchur Mauza
140	North	Jeliapara Road, Dr. Abdul Khabir Road, Southern boundary of Akra Mauza and Kailash Mistry Lane
	South	S.A. Farooque Road, northern boundary of Akra Mauza
	East	Railway siding (From Dr. Abdul Khabir Road to the point where it meets Panchpara Road), Panchpara Road and western boundary of Akra Mauza.
	West	Jeliapara Road, Bagdiapara Road, eastern boundary of Akra Mauza and Bhanga Khal Road
141	North	Southern bank of river Hooghly
	South	Garden Reach Road, Dr. Abdul Khabir Road, Jeliapara Road and Kailash Mistry Lane
	East	A line drawn between southern bank of river Hooghly and Garden Reach Road, Jeliapara Road, Bagdiapara Road and Bhangakhal Road
	West	Eastern bank of river Hooghly

Some more socio-economic findings are evaluated from this homeless people survey data under KMC Borough XV.

1. Sex Ratio:

Borough	Ward No.	Sex Ratio	
XV		Male	Female
	133	1	0
	134	0	0
	135	3	0
	136	0	0
	137	2	0
	138	1	0
	139	2	0
	140	1	0
	141	0	0
	Total	10	0



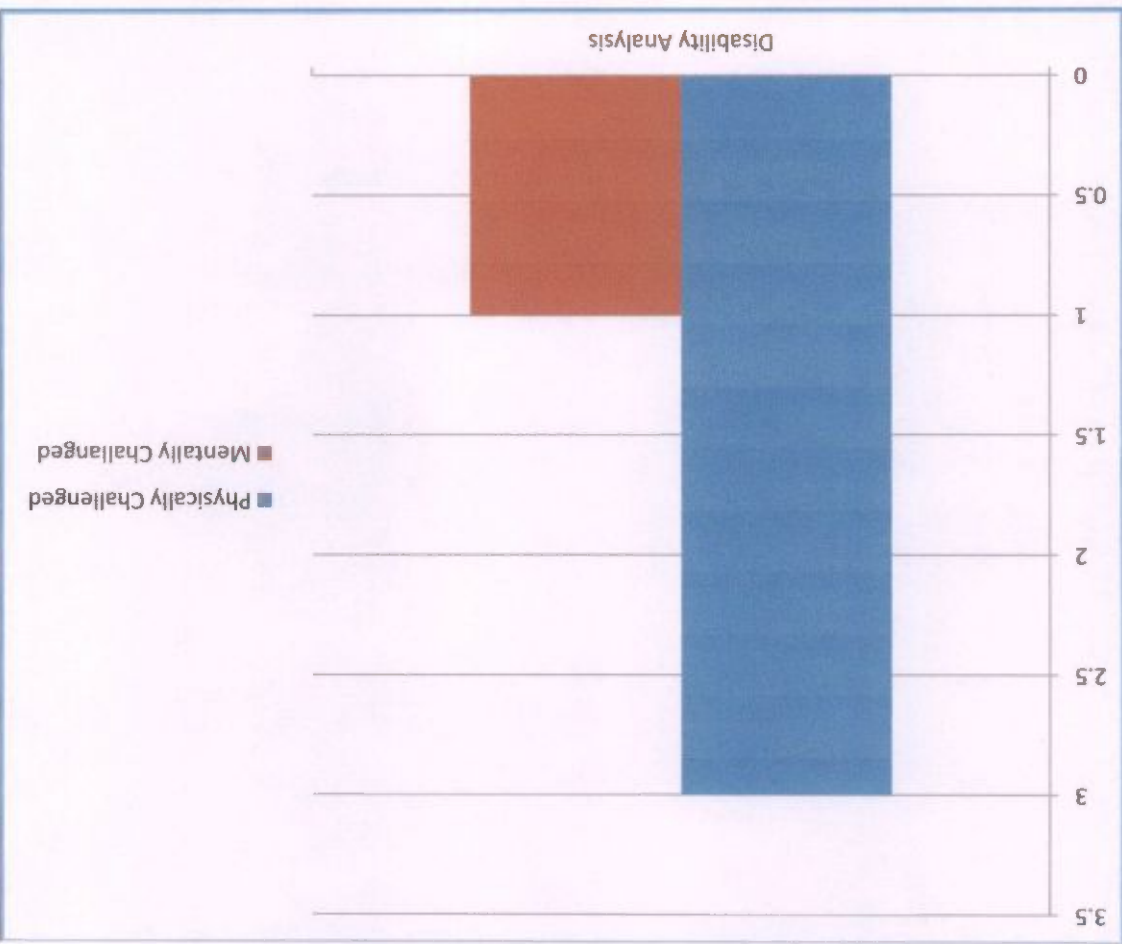


Borough	Ward No.	Age Comparison			
		0-14 Years	15-30 Years	31-50 Years	51 & Above Years
XV	133	0	0	0	1
	134	0	0	0	0
	135	0	0	2	1
	136	0	0	0	0
	137	0	0	2	0
	138	0	0	0	1
	139	0	0	1	1
	140	0	1	0	0
	141	0	0	0	0
	Total	0	1	5	4

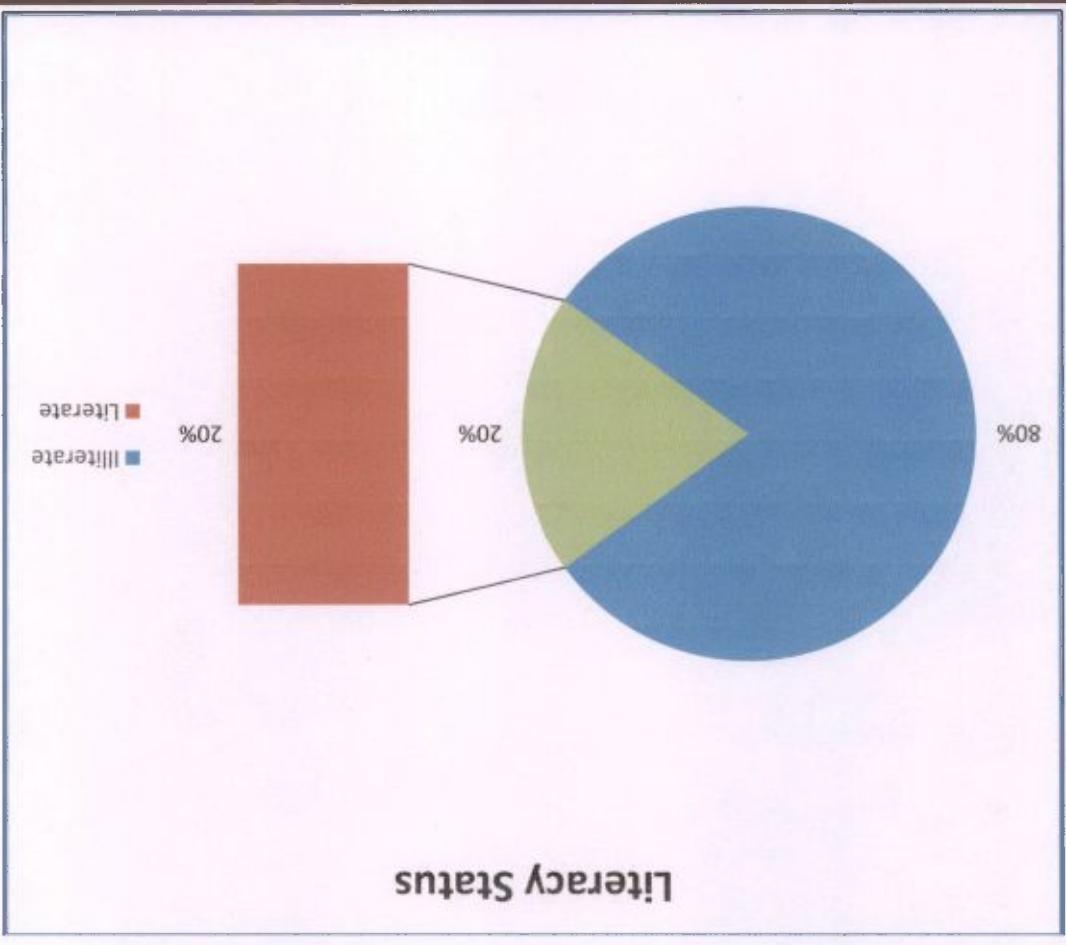
2. Age Comparison:

3. Disability Analysis:

Borough	Ward No.	Disability Analysis
XV	133	0
	134	0
	135	0
	136	0
	137	0
	138	1
	139	1
	140	1
	141	0
	Total	3
		Physically Challenged
		Mentally Challenged
		2



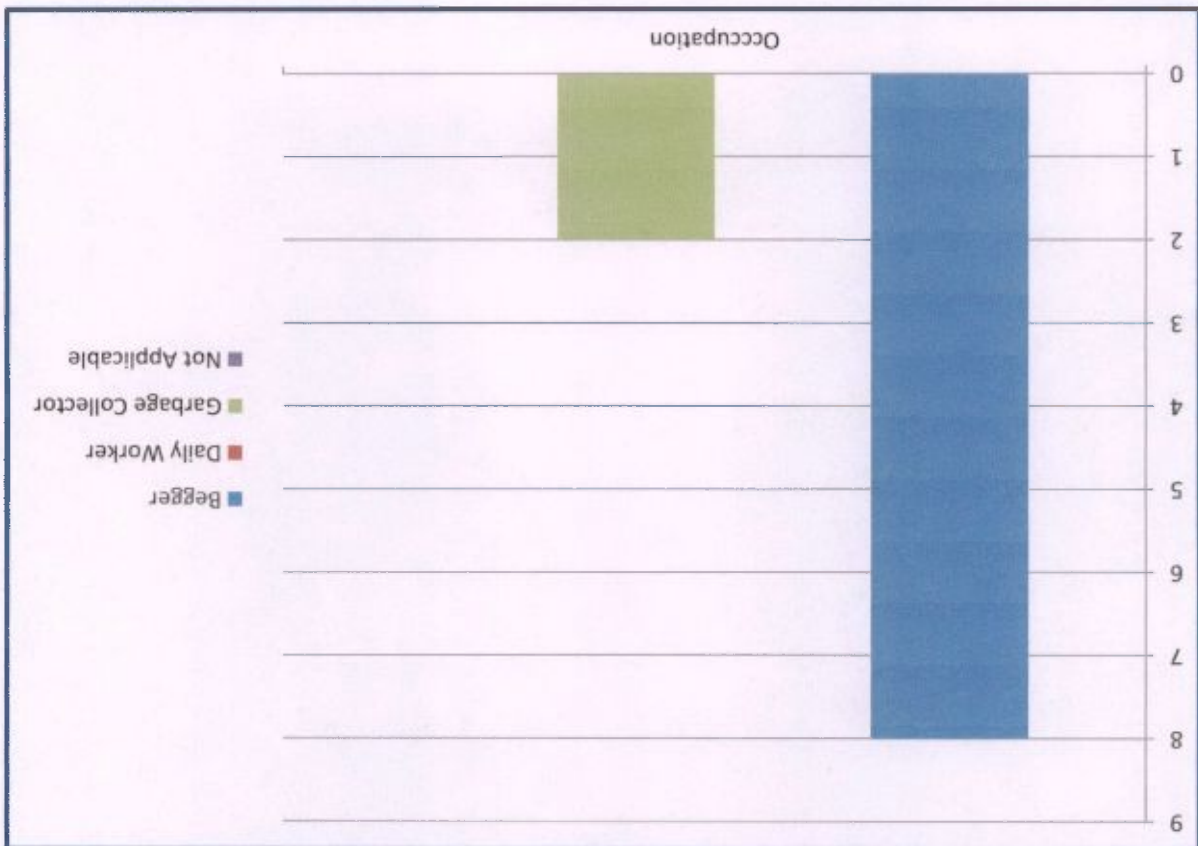
Borough	Ward No.	Literacy Status
XV	133	1
	134	0
	135	2
	136	0
	137	2
	138	1
	139	1
	140	1
	141	0
	Total	8
		literate
		literate



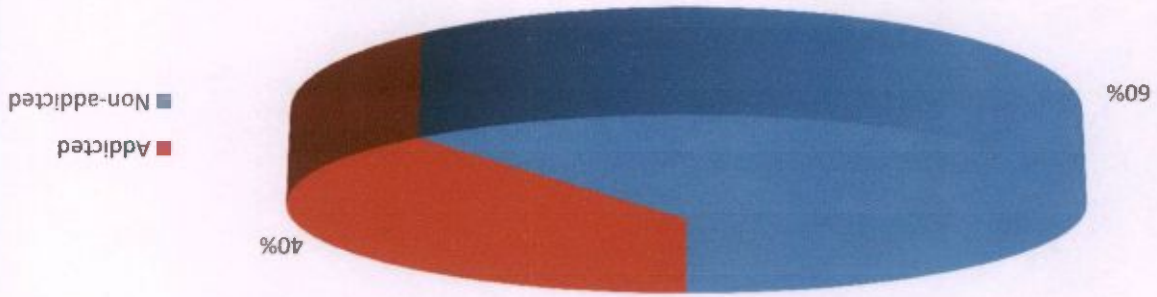
4. Literacy Status:

5. Occupation Analysis:

Borough	Ward No.	Occupation Analysis			
XV		Beggar	Daily Worker	Garbage Collector	Not Applicable
	133	0	0	1	0
	134	0	0	0	0
	135	3	0	0	0
	136	0	0	0	0
	137	1	0	1	0
	138	1	0	0	0
	139	2	0	0	0
	140	1	0	0	0
	141	0	0	0	0
	Total	8	0	2	0

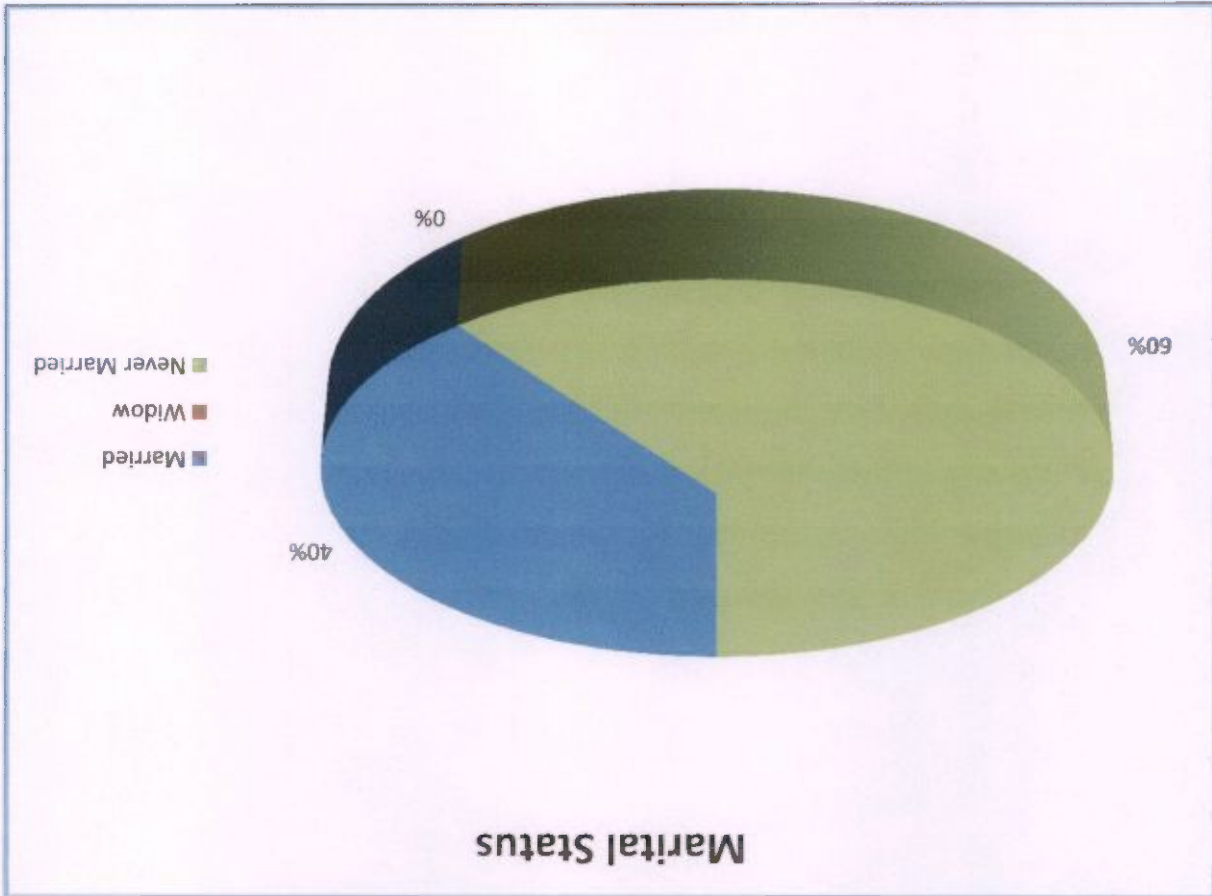


Drug Addiction Data



Borough	Ward No.	Drug Addiction Data	
XV		Addicted	Non-addicted
	133	1	0
	134	0	0
	135	1	2
	136	0	0
	137	1	1
	138	1	0
	139	0	2
	140	0	1
	141	0	0
	Total	4	6

6. Drug Addiction Data:

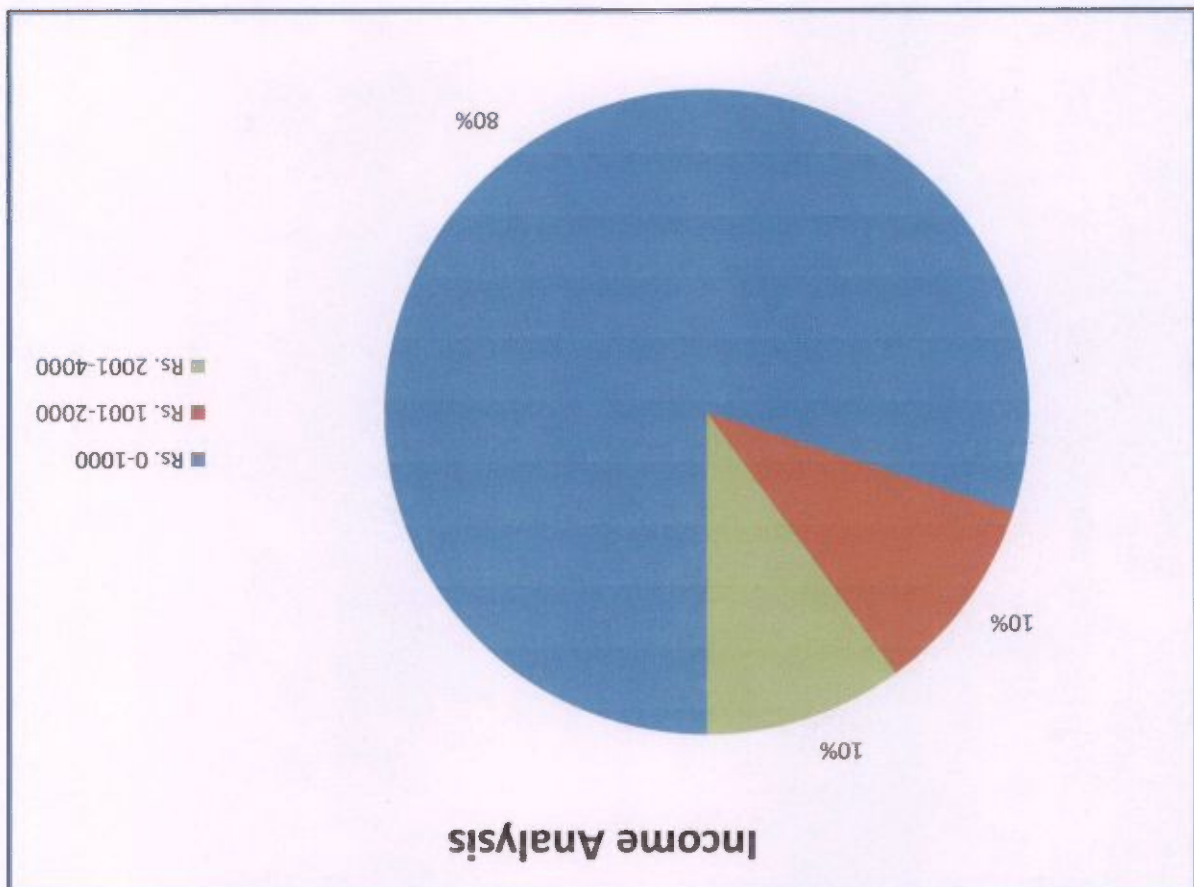


Borough	Ward No.	Marital Status		
XV	133	1	0	0
	134	0	0	0
	135	1	0	2
	136	0	0	0
	137	0	0	2
	138	1	0	0
	139	1	0	1
	140	0	0	1
	141	0	0	0
	Total	4	0	6
		Married	Widow	Never Married

7. Marital Status:

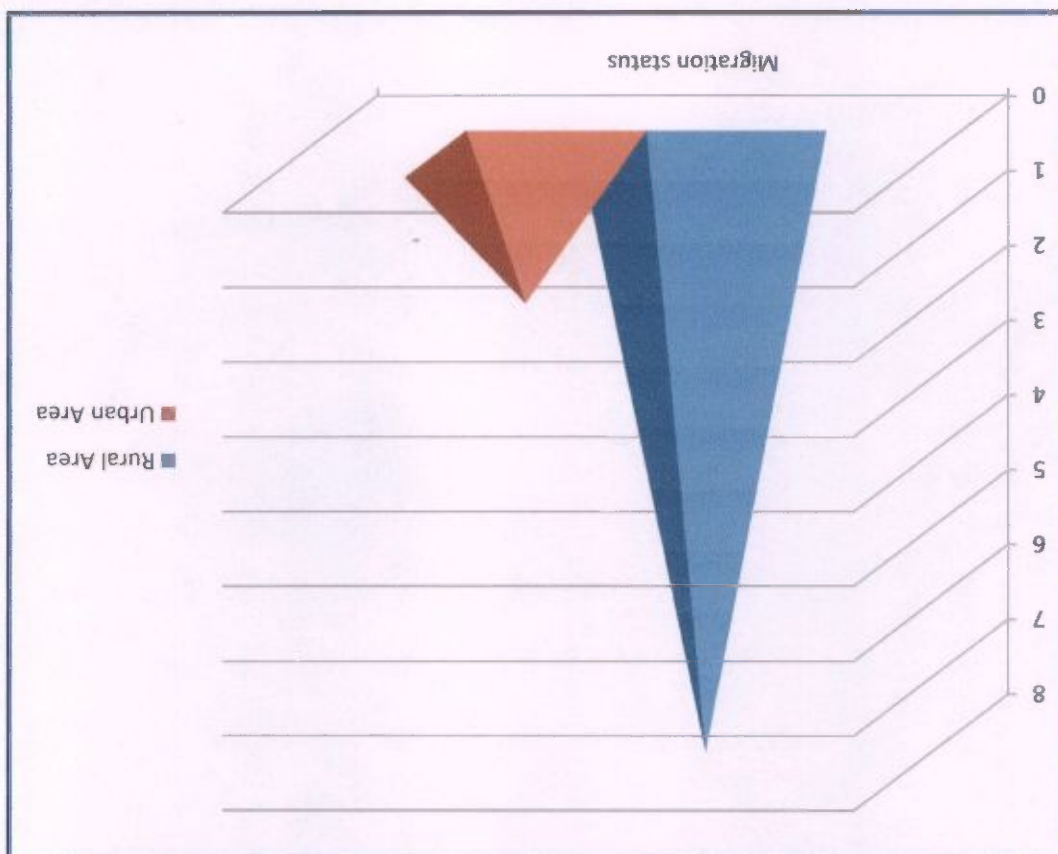
8. Income Analysis:

Borough	Ward No.	Income Analysis			
		Rs. 0-1000	Rs. 1001-2000	Rs. 2001-4000	
XV	133	0	1	0	
	134	0	0	0	
	135	3	0	0	
	136	0	0	0	
	137	1	0	1	
	138	1	0	0	
	139	2	0	0	
	140	1	0	0	
	141	0	0	0	
	Total	8	1	1	



9. Migration Status

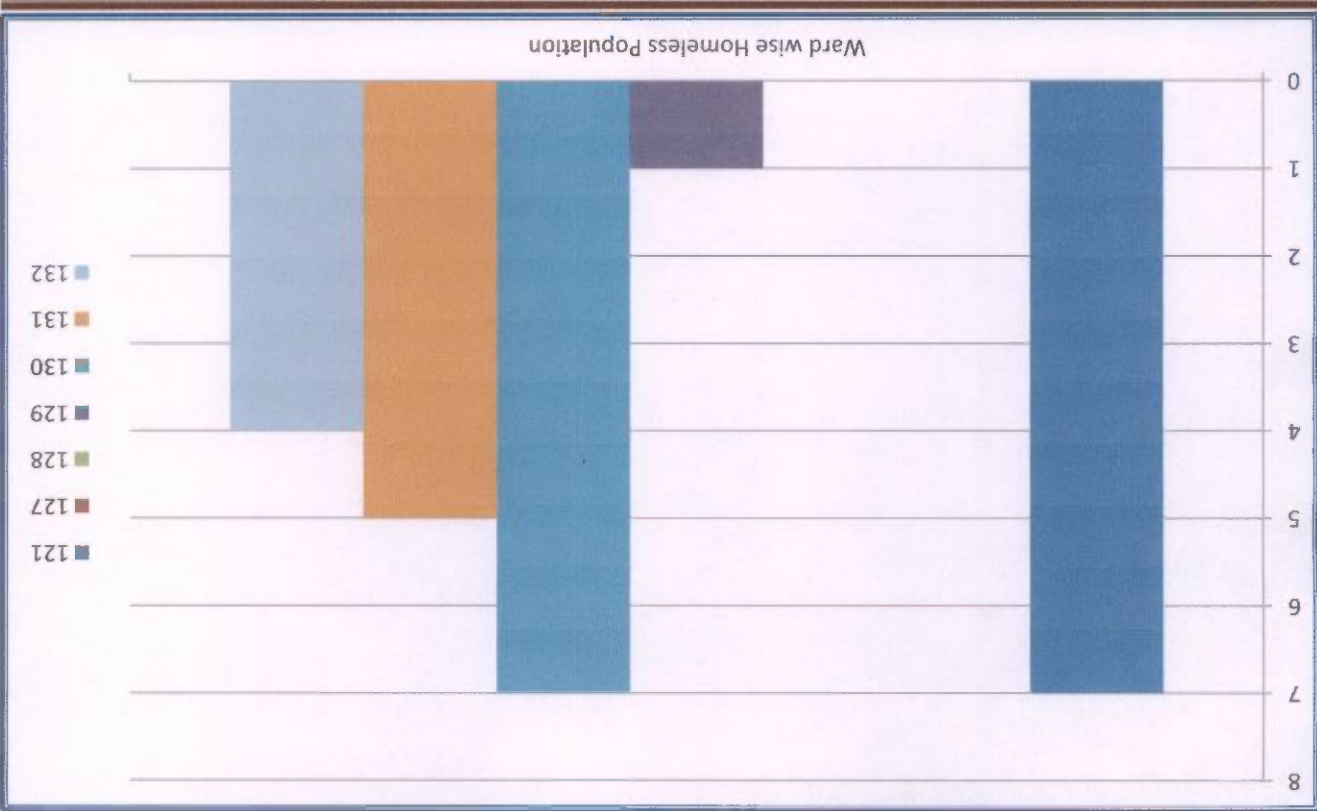
Borough	Ward No.	Migration Status
XV	133	1
	134	0
	135	3
	136	0
	137	0
	138	1
	139	2
	140	1
	141	0
	Total	8
		Rural Area
		Urban Area



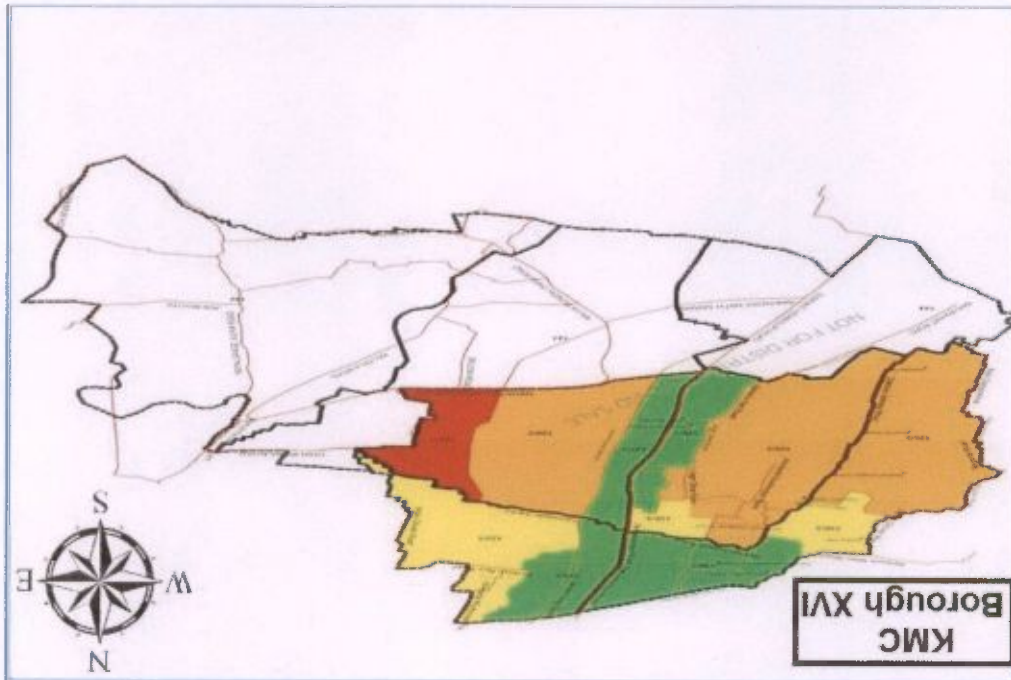
Detail of Homeless Population Data Borough-XVI

We have started field survey on 13/03/2018 & completed the entire survey job on 14/03/2018. We found following Homeless population data after survey.

Borough	Total number of wards	Ward No.	Homeless People Found during Survey
XVI	7	123	0
		124	3
		125	2
		126	3
		142	0
		143	5
		144	7
		Total	20



Project Area:



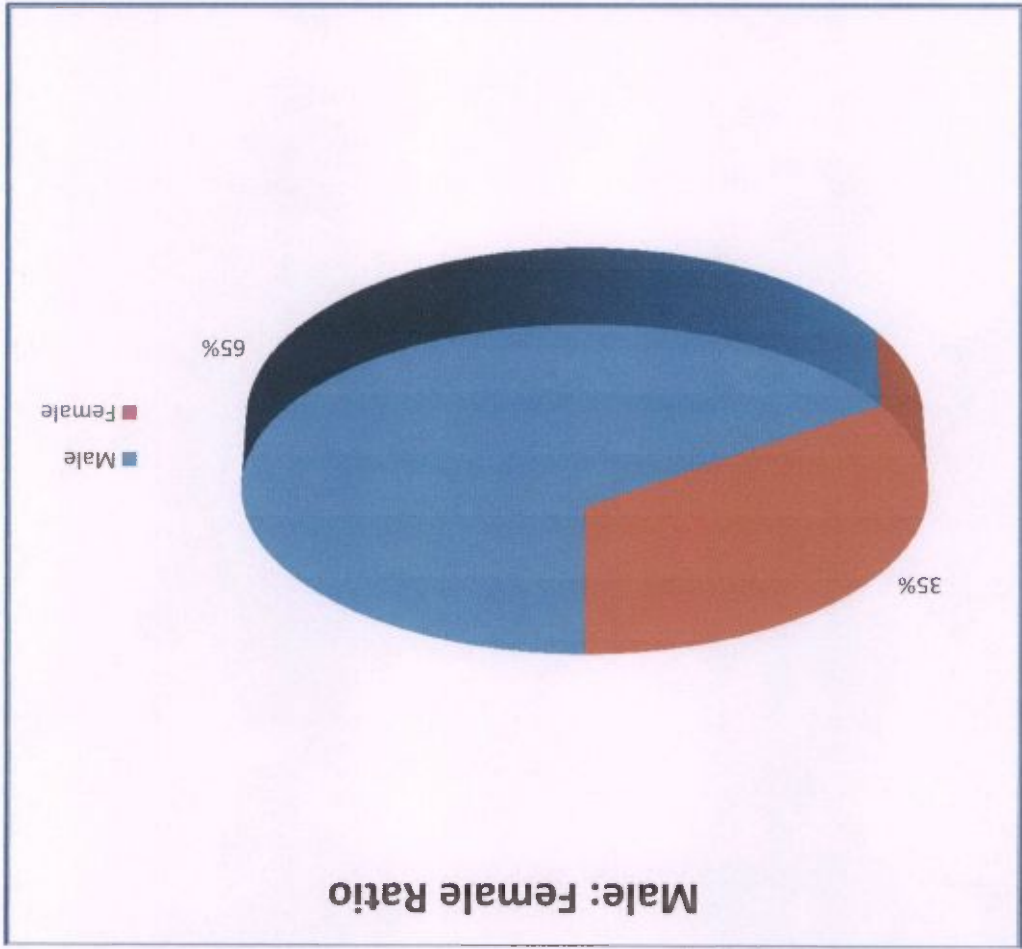
Ward No	Boundary	Details
123	North	Raja Ram Mohan Roy Road, Hem Chandra Mukherjee Road and Motilal Gupta Road
	South	Chandi Charan Ghosh Road, James Long Sarani, Vidyasagar Sarani and a line drawn in continuation to the East wherein meets the North-Western boundary of Chakthakurani Mouza
	East	Kalipada Mukherjee Road, Hem Chandra Mukherjee Road, Ishan Ghosh Road and a line drawn in continuation on the South upto Dhalipara Road
	West	Diamond Harbour Road
124	North	Chandi Charan Ghosh Road, James Long Sarani, Vidyasagar Sarani and a line drawn in continuation to the East where it meets the North-Western Boundary of Chakthakurani Mouza.
	South	Mahatma Gandhi Road
	East	Eastern boundary of Purba Barisha Mouza
	West	Diamond Harbour Road
125	North	Sashan Kalitola Road, Narayan Roy Road and K.K Roy Chowdhury Road
	South	Paschim Barisha Mouza
	East	Diamond Harbour Road and Paschim Barisha Mouza
	West	Dakshin Behala Road and a line drawn in continuation across Ananda Nagore Colony upto Dag No 2179 of Paschim Barisha Mouza.

126	North	Ho Chi Minh Sarani	
	South	Sashan Kalitela Road, Narayan Roy Road and K.K Roy Chowdhury Road	
	East	Dakshin Behala Road, Ananda Nagore Colony, Paschim Barisha Mouza and Diamond Harbour Road	
	West	Paschim Barisha Mouza, Sarsuna Mouza, Baghpota Road, Jadav Ghosh Road and Sarsuna Main Road.	
142	North	Not Found	
	South	Not Found	
	East	Not Found	
	West	Not Found	
143	North	Not Found	
	South	Not Found	
	East	Not Found	
	West	Not Found	
144	North	Not Found	
	South	Not Found	
	East	Not Found	
	West	Not Found	

Some more socio-economic findings are evaluated from this homeless people survey data under KMC Borough XVI.

1. Sex Ratio:

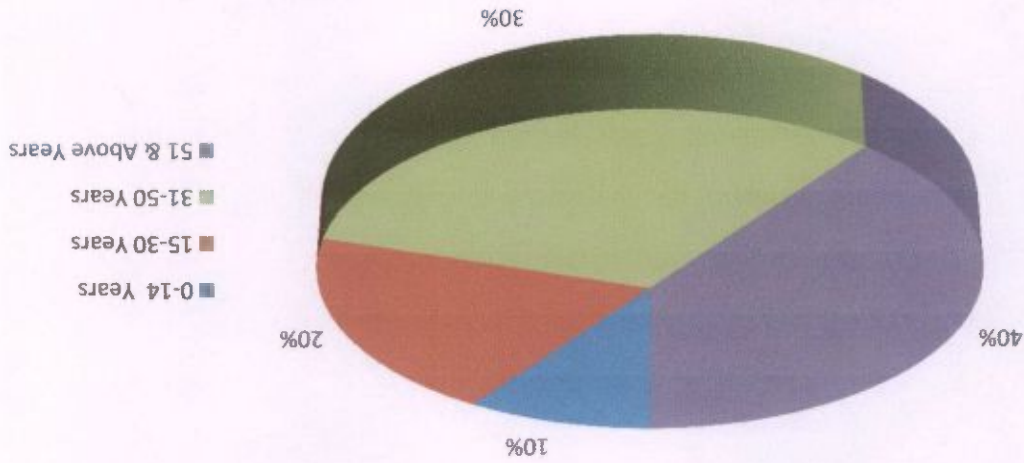
Borough	Ward No.	Sex Ratio	
XVI		Male	Female
	123	0	0
	124	2	1
	125	1	1
	126	3	0
	142	0	0
	143	1	4
	144	6	1
	Total	13	7



2. Age Comparison:

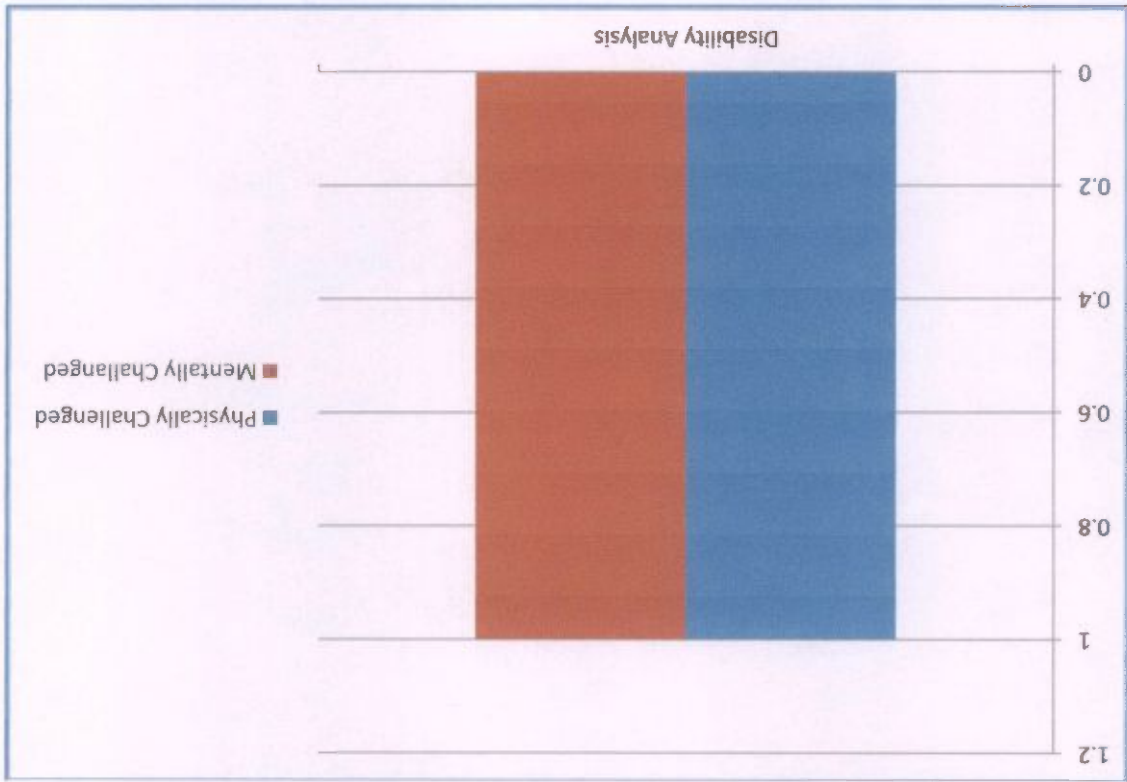
Borough	Ward No.	Age Comparison			
		0-14 Years	15-30 Years	31-50 Years	51 & Above Years
XVI	123	0	0	0	0
	124	1	1	1	0
	125	0	2	0	0
	126	0	0	1	2
	142	0	0	0	0
	143	0	0	2	3
	144	1	1	2	3
	Total	2	4	6	8

Age Comparison



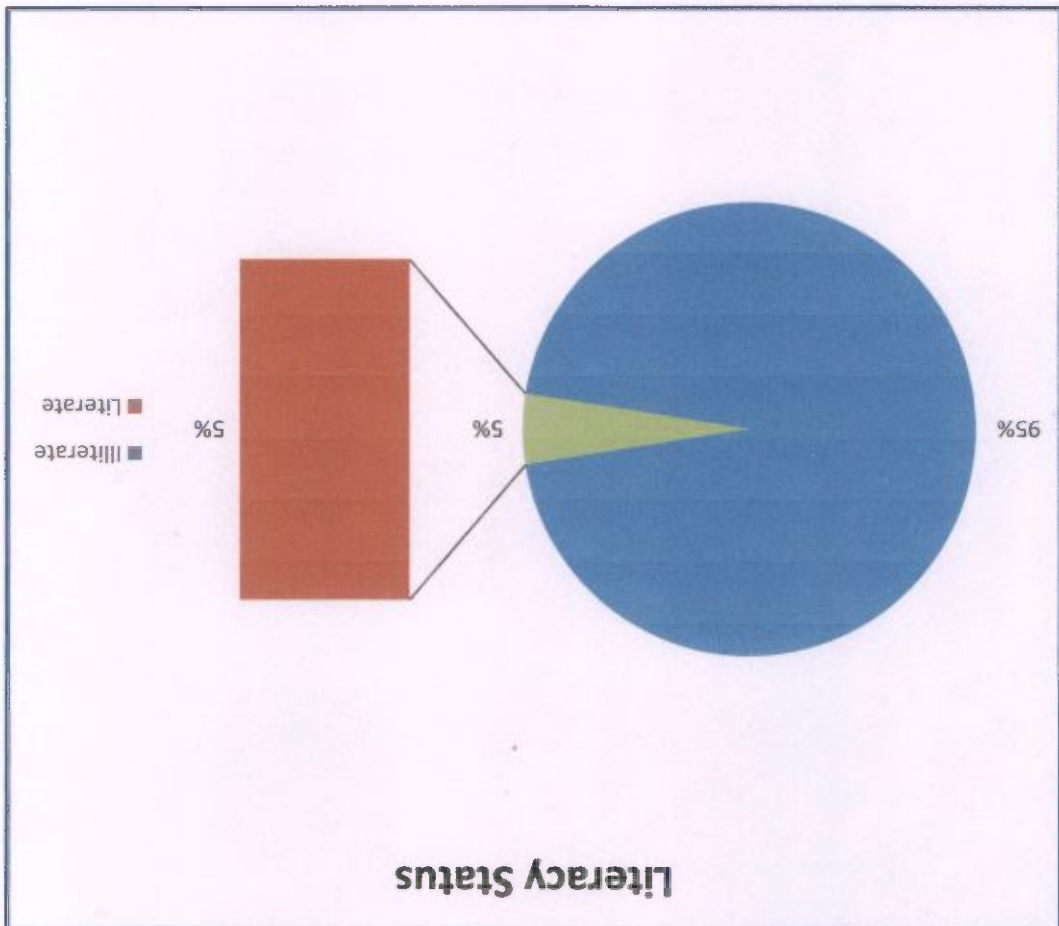
3. Disability Analysis:

Borough	Ward No.	Disability Analysis	
XVI		Physically Challenged	Mentally Challenged
	123	0	0
	124	0	0
	125	0	0
	126	1	0
	142	0	0
	143	0	1
	144	0	0
	Total	1	1



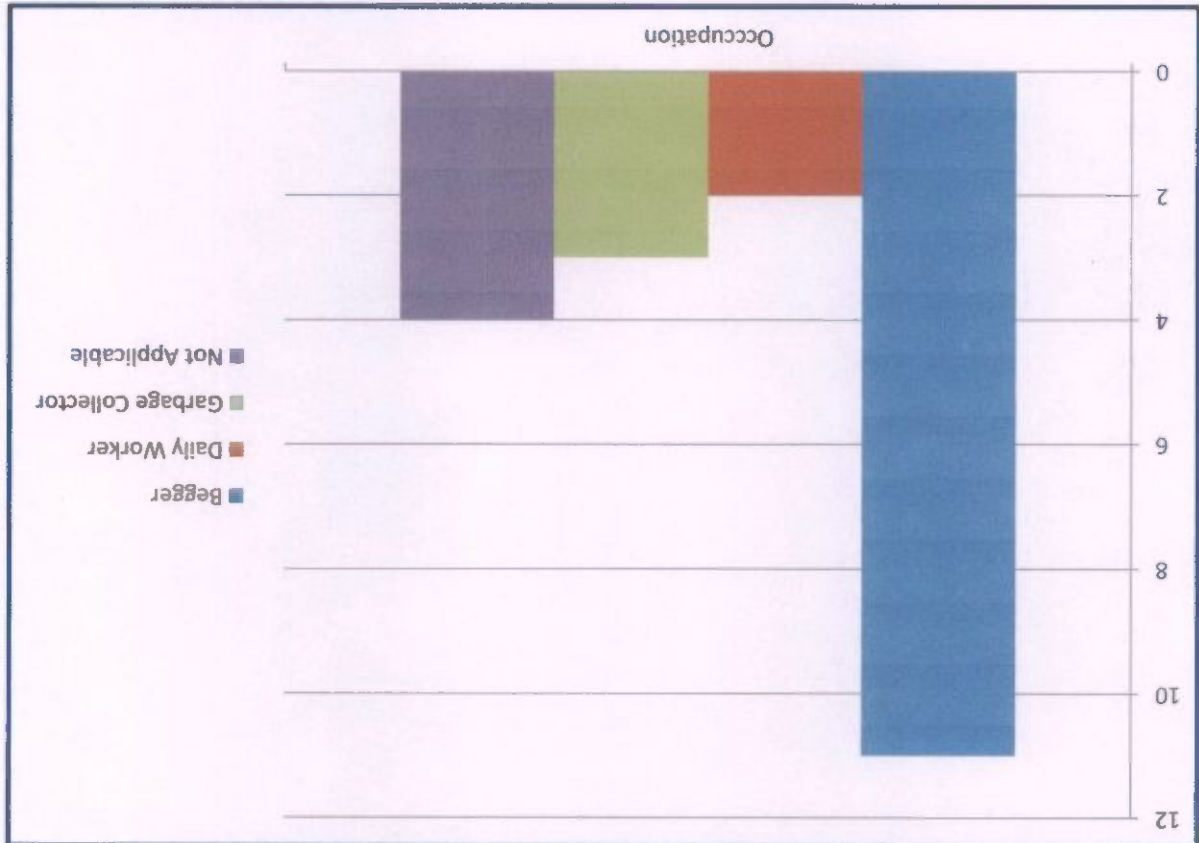
4. Literacy Status:

Borough	Ward No.	Literacy Status	
XVI		illiterate	Literate
	123	0	0
	124	2	1
	125	2	0
	126	3	0
	142	0	0
	143	5	0
	144	7	0
	Total	19	1



5. Occupation Analysis:

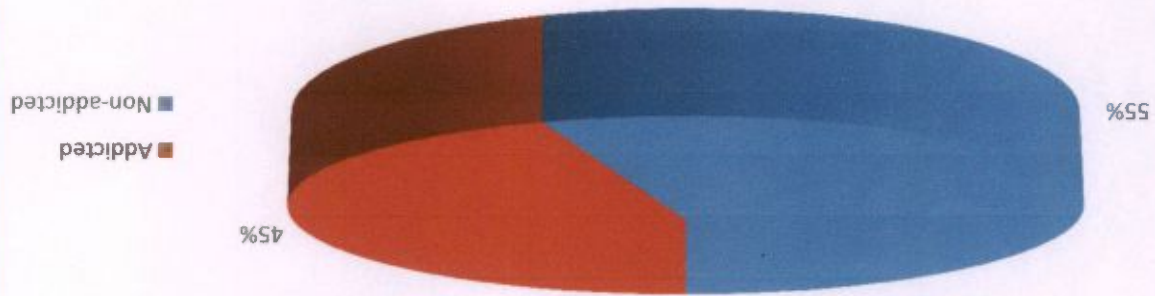
Borough	Ward No.	Occupation Analysis			
		Beggar	Daily Worker	Garbage Collector	Not Applicable
XVI	123	0	0	0	0
	124	0	0	1	2
	125	0	0	1	1
	126	3	0	0	0
	142	0	0	0	0
	143	3	1	1	0
	144	5	1	0	1
	Total	11	2	3	4



6. Drug Addiction Data:

Borough	Ward No.	Drug Addiction Data									
XVI		123	0	Addicted							
		124	1	Non-addicted							
		125	1								
		126	2								
		142	0								
		143	1								
		144	4								
	Total	9	11								

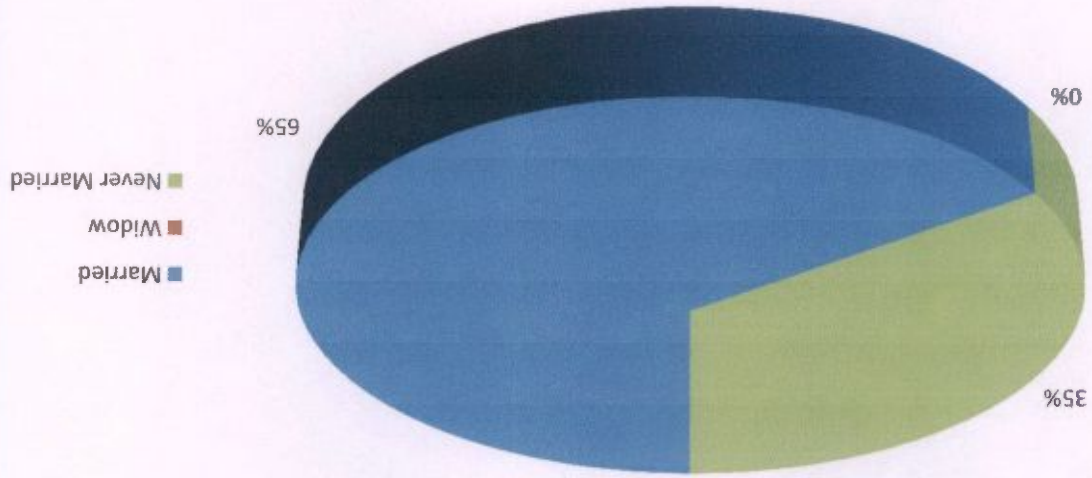
Drug Addiction Data



7. Marital Status:

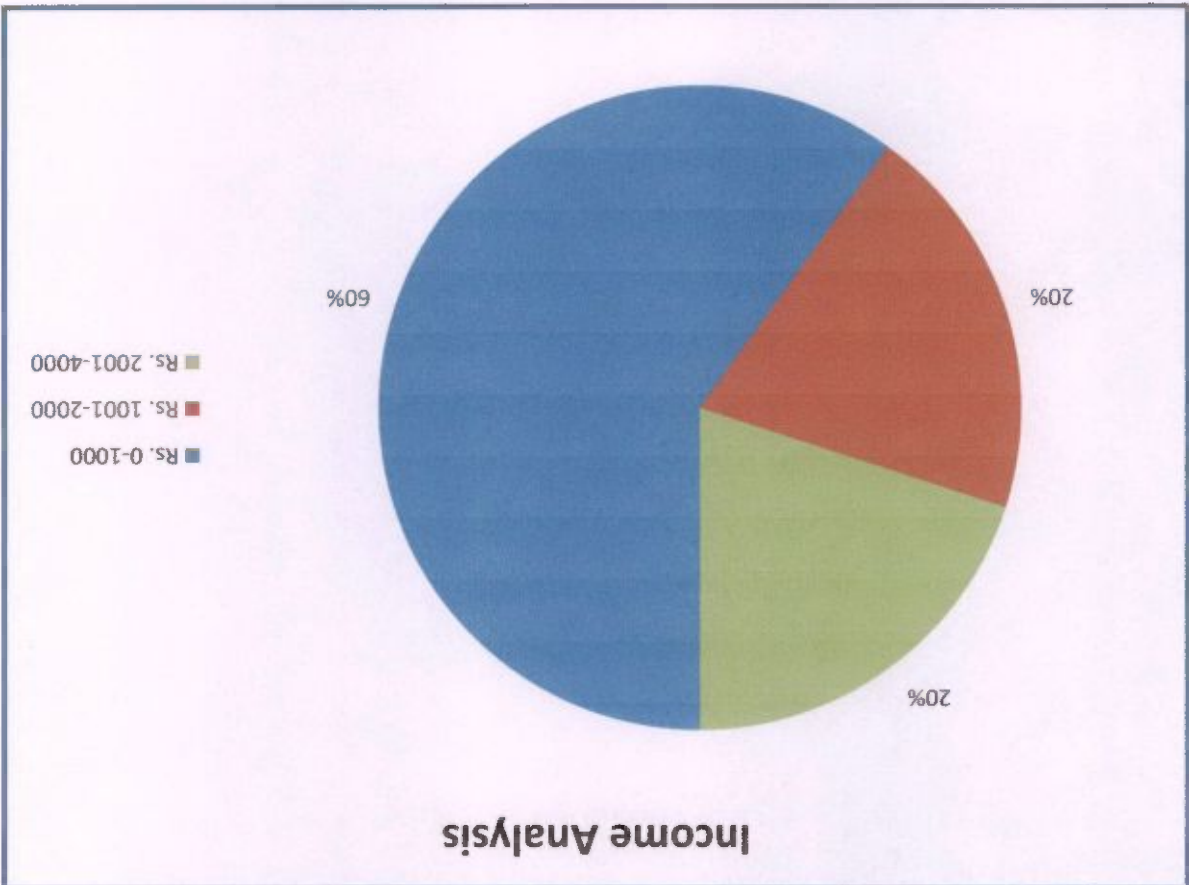
Borough	Ward No.	Marital Status		
		Married	Widow	Never Married
XVI	123	0	0	0
	124	2	0	1
	125	2	0	0
	126	2	0	1
	142	0	0	0
	143	1	0	4
	144	6	0	1
	Total	13	0	7

Marital Status



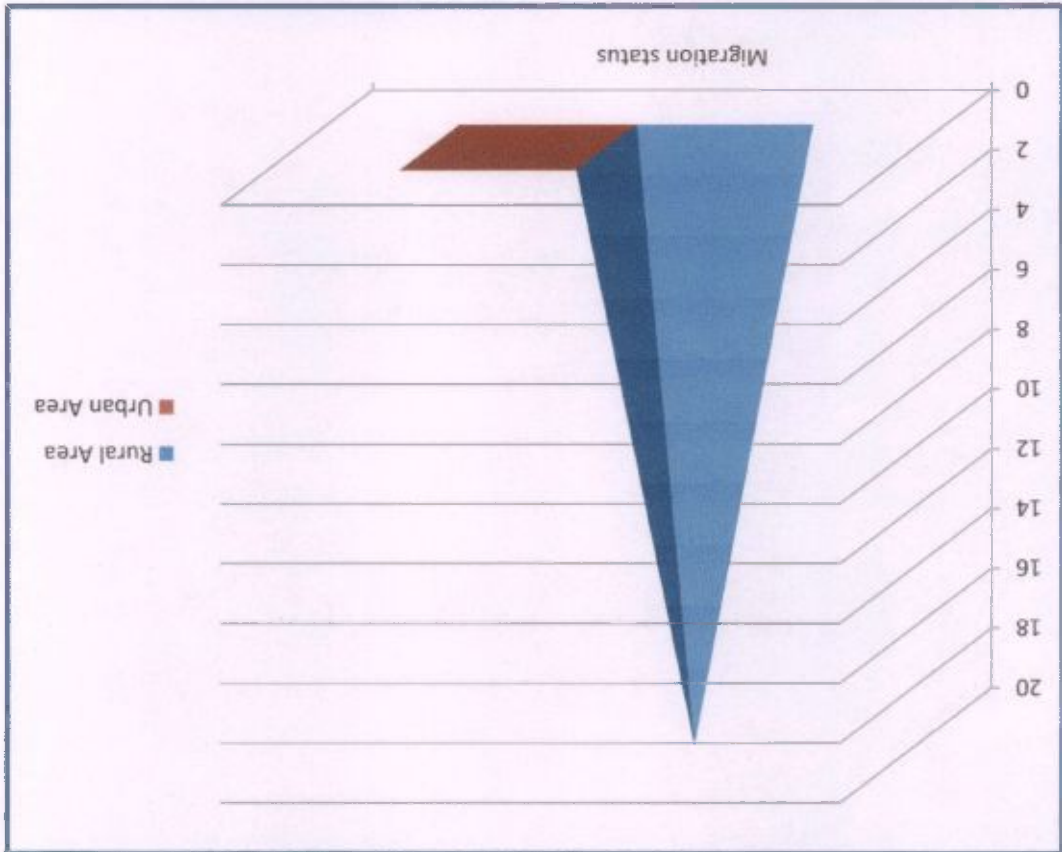
8. Income Analysis:

Borough	Ward No.	Income Analysis			
		Rs. 0-1000	Rs. 1001-2000	Rs. 2001-4000	
XVI	123	0	0	0	
	124	2	0	1	
	125	1	0	1	
	126	3	0	0	
	142	0	0	0	
	143	3	1	1	
	144	3	3	1	
	Total	12	4	4	



9. Migration Status

Borough	Ward No.	Migration Status
XVI	123	0
	124	0
	125	0
	126	0
	142	0
	143	0
	144	0
	Total	20
		Rural Area
		Urban Area



Resource planning for urban homeless shelter under KMC Zone-V

As assigned by KMC in conducting GIS Based survey for Urban Homeless population, we had conducted a survey under Zone – V of KMC.

The objective of the survey was to provide KMC the count as well as analytical report of such Urban Homeless for providing them shelters and other basic amenities.

The shelters may be constructed in the vicinity areas subject to the availability of land and approval of appropriate authority.

Under Zone – V, we surveyed Boroughs – XIII, XIV, XV & XVI and identified some vacant areas which may be utilized for construction of Shelters for Urban Homeless.

In Borough XIII, we found out that in ward no. 119, the KFR ground beside James Long Sarani was vacant. It is 18,000 Sq. Ft. in area and is an Eastern Railway property.

In Borough XIV of ward no. 128, we found the area opposite to Vivekananda Womens' College on D. H Road was vacant. It is under the ownership of West Bengal Small Industries Development Corporation. The total area of the land is 5000 Sq. Ft.

In Borough XV of ward no. 141, the vacant land on Lenin road near Rajabagan Dock

Yard is under the ownership of Central Inland Water Transport Corporation Ltd. and has an area of 51,400 Sq. Ft.

In Borough XVI and ward no. 126, the vacant land we found was situated at Upendra Nath School area on Sarkarhat Lane. The land is 17250 Sq. Ft. in size and is under the ownership of Kolkata Primary School Council.

The list of the land as identified are annexed hereto:-

Borough Name	Area Details	Ward No	Owner	Area in Sq. Ft (Approx.)	Latitude	Longitude
XIII	KFR Ground beside James Long Sarani	119	Eastern Railway	18000	22.50229300	88.32155200
XIV	Opposite Side of Vivekanada Womens college on D.H. Road	128	West Bengal Small Industries Development Corporation	5000	22.48833200	88.31329800
XV	Vacant land on Lenin Road near Rajabagan Dock Yard	141	Central Inland Water Transport Corporation Ltd	51400	22.55477600	88.26829000
XVI	Upendra Nath School on Sarkarhat lane	126	Kolkata Primary School Council	17250	22.47500200	88.29458500

Conclusion:

- The survey of Zone V revealed the important statistics that there are 76 homeless people in total from all the 4 Boroughs.
- We have given the data collected through the survey to KMC in different formats – Excel Sheets, representation through Map, Web application and mobile app called Thikana. Through Excel, the users can check and compare the data easily, whereas, the map will give a graphical representation of the areas where the homeless people are found. Through the web application we created, any user can login from anywhere to check the data and the app will allow users to access the data with just a click from anywhere anytime.
- The data collected through the survey will enable KMC to prepare several developmental plans for construction of Shelters for Urban Homeless using the statistical analysis that we provided.
- In some areas, the female respondents did not allow us to take their photographs; hence their photos are not available.
- In very few cases, in apprehension of being displaced to other places, the respondents were found reluctant in sharing information.
- Karmick Solutions Pvt Ltd successfully completed the entire project work with active support & kind cooperation of KMC officials (SWUPA HQ), KMC Borough Managers, other Administrative Bodies & local people.

Tapas Chowdhury, IAS
Special Municipal Commissioner



Kolkata Municipal Corporation
5, S. N. Banerjee Road, Kolkata – 13
Phone (Office) : 2286-1271
EPABX: 2286-1000(Extn.2603) I.C: 271

Memo No. 238/NULM/SW&UPA/2017-18

Dated: 11.09.2018

To
The Director,
State Urban Development Agency (SUDA)
ILGUS Bhawan, H-C Block,
Sector-III, Bidhannagar,
Kolkata – 700 106



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IT

Sub: Submission of Homeless Survey report

Ref: Your Office letter No. under Memo No. SUDA-285/2017/1359 dated 24.01.2018 and SUDA-285/2017/872 dated 28.08.2018

Pursuant to your letters on the subject as referred to above, the reports of homeless survey as sought for therein, are attached hereto for your perusal.

The reports have been prepared zone-wise comprising of five zones covering all the wards in the jurisdiction of the Kolkata Municipal Corporation.

The soft copies of the reports have been mailed to you.

Special Municipal Commissioner

Memo No. 238(5) /NULM/SW&UPA/2017-18

Dated: 11.09.2018

Copy forwarded for information to:

- 1) P.A to Hon'ble Mayor
- 2) P.A to Hon'ble MMIC (Bustee, NULM, UWEP)
- 3) P.A to Principal Secretary, UD&MA Department
- 4) P.A to Municipal Commissioner
- 5) Chief Manager, SW&UPA (HQ)

Special Municipal Commissioner



FINAL REPORT ON GIS BASED SURVEY OF URBAN HOMELESS POPULATION IN THE WARDS UNDER THE JURISDICTION OF BOROUGH NO. 4, 5 & 6 (ZONE – II)



Prepared for

The Kolkata Municipal Corporation

Social Welfare & Urban Poverty Alleviation
Department (SW&UPA)



Prepared by



i - win

I - WIN Advisory Services Limited

Report no. IWIN/18-19/BN/R0

September, 2018



I-WIN Advisory Services Limited
Formerly ICICI-West Bengal Infrastructure
Development Corporation Limited
CIN-U64202WB1995PLC075980

IWIN/SB/18-19/218

Date: 07/09/2018

Chief Manager
SW &UPA/Z-II
Kolkata Municipal Corporation
Social Welfare and Urban Poverty Alleviation Deptt.
5, S.N. Banerjee Road,
Kolkata 700013

**Subject: Submission of Final Report for GIS Based survey for Urban Homeless Population
within the jurisdiction of Zone-II (Br IV, V & VI), KMC**

Dear Sir,

This is in reference to your work order no. CM/UHP_Survey/WO/Zn-II/1/2017-18 dated 05.03.2018. We are pleased to submit our final report for the above assignment. This is for your kind perusal and consideration.

Thanking you,

Yours faithfully,

Ravi Goyal
Director

EXECUTIVE SUMMARY

Kolkata Municipal Corporation had planned to conduct a GIS-based survey on the urban homeless population in all the five zones under it. I-Win was engaged to conduct the survey for Zone II, which comprised Boroughs IV, V and VI. The project aimed at finding the number of homeless population and their clusters, along with collecting data on the profiles of the homeless people.

The survey was conducted at night when most of the homeless people could be contacted. A thorough survey was conducted in which almost all the pavements, railway stations, in the city were visited. A structured questionnaire was prepared which was integrated with a software app named Asroy, which collected data on the homeless people. The municipal authorities were informed about the survey beforehand for smoother flow of the survey process. The entire survey was conducted with co-operation from the local law and order authorities.

The next step involved resource mapping, where the potential areas and buildings were identified which can be established as shelters for the homeless. A database comprising the details of not only the respondent homeless people but their families also was collated.

The following is a **summary of the findings** of the study:

- The total number of homeless population in Zone –II was found to be 721.
- The Borough-wise number of homeless population under Zone –II is as follows:
 - In Borough IV, 386 homeless people were found.
 - In Borough V, 193 homeless people were found.
 - In Borough VI, 142 homeless people were found.
- The classification of occupation is as follows:
 - In Borough IV, out of 386 homeless people, 42% are daily workers, 19% are labourers, 7% are van drivers, 7% are rickshaw pullers and the rest of the earning people are either fuchka sellers, fruit sellers, beggars, or shoe makers, etc. Students make up 14% of the homeless people. The rest of the 11% of the homeless population is dependent on their spouses financially.
 - In Borough V, out of 193 homeless people, 19% are beggars, 13% are labourers, 12% are maids or housekeepers. 13% of the homeless persons are homemakers who are dependent on their spouses for the family income. 20% of the homeless people do not have regular jobs, therefore they do not have a constant flow of income. The rest of the population has not attained the age to join the workforce.

- In Borough VI, out of 142 homeless people, 29% are labourers, 27% are beggars and 21% are daily workers. The rest of the 23% homeless population works as rickshaw pullers, paper collectors and hawkers.
- Income profile of the homeless people
 - In Borough IV, 16% of the homeless people earn less than Rs 3,000 per month, 60% of the homeless people earn between Rs 3,000 and Rs 6,000. 13% of the homeless population earns more than Rs 6,000 per month. 7% of the homeless population in this borough consists of student, non-earning family members and mentally disabled people who are unable to earn a living.
 - In Borough V, In Borough V, 52% of the homeless population earns less than Rs.3,000. 44% of the homeless population is able to make a living between Rs 3,000 and 6,000 monthly. Only 1% of the homeless population earns more than Rs 6,000 per month. 3% of homeless people are either students or the elderly who are unable to contribute financially to their families.
 - In Borough VI, 36% of the homeless people earn less than Rs 3,000 monthly. 24% of the homeless population earns between Rs.3,000 and Rs.6,000. A very negligible percentage (0%) of the homeless population earns more than Rs 6,000 per month. The rest of the homeless people identified are either students or the non-earning family members of the respondents who are financially dependent on the earning members of their respective households.

During the creation of the report, a few possible solutions were figured out that could help the homeless people lead a relatively better life. They are as follows:

- ❖ Shelters can be arranged in suitable places around the city to accommodate homeless people.
- ❖ During the survey, it was found that homeless people are not aware of night shelters. However, they aspire for such types of facilities, especially for their children. Establishing of such shelters and dissemination of information is crucial to make this project successful.
- ❖ It was observed that some of the homeless people have received preliminary education and have expertise in a few skills. Considering that Kolkata is a metropolitan city, there are opportunities for skilled people at different levels, especially at the entry level. As per programmes initiated under the National Skill Development Mission, a specialized skill program can be arranged for the aspirants of the homeless people. Over time, this is most likely to lead to a change in the behaviour of the people.

- ❖ The government should work on the skill upgradation of those homeless people that are already part of the workforce. To start with, the Kolkata Municipal Corporation can collaborate with NGOs and facilitate specialized skill development for the literate people.

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ABBREVIATIONS

ULB	Urban Local Body
SUH	Shelter for Urban Homeless
KMC	Kolkata Municipal Corporation
BPL	Below Poverty Line
KMC	Kolkata Municipal Corporation
Gol	Government of India
DAY- NULM	Deendayal Antyodaya Yojana-National Urban Livelihoods Mission
SHGs	Self Help Groups
SMMU	State Mission Management Unit
CMMU	City Mission Management Unit
CMM	City Mission Manager
ALF	Area Level Federation
CLF	City Level Federation
WBSULM	West Bengal State Urban Livelihoods Mission



GIS Based Survey of Urban Homeless Population in the Wards under the jurisdiction of
Borough No. 4,5&6 (Zone-II)

CHAPTER 1

1. PROJECT BACKGROUND

1.1. Introduction

Food, clothing and shelter are the basic needs that humankind requires in order to survive. A deprivation in any one of these is a matter of concern for all governments. The presence of homeless people on the streets and pavements is a common phenomenon in all the states in India. Not only have the homeless been deprived of their basic needs of a shelter, their aspirations for a shelter have also been neglected.

A conspicuous concentration of homeless is found on pavements, which affects the sanitation of the surrounding areas. To mitigate such issues, steps need to be taken that eradicate homelessness from the roots. This has influenced governments at all levels to initiate and implement policies that provide shelters to the homeless population and identify the deterrents preventing the homeless from using the existing shelters.

Primary data on homeless population is relatively scarce as compared to the studies found on slums and squatter settlements. Although a case study was made on the pavement dwellers in Delhi, there is lack of accurate information about the overall homeless population in the State. Moreover, the last data collected on the homeless population was during the 2011 Census. The current status and profile of the homeless needs to be updated and authenticated.

As a part of this policy, the Kolkata Municipal Corporation has taken up a project that tends to the cause of the homeless. This assignment aimed to collect information about the profile of the homeless in order to help the municipal corporation in their planning process.

1.2. Definition of Homeless Persons

The Terms of Reference document has defined homeless people as "Persons who do not have a house, either self-owned or rented, but instead live and sleep on pavements, at parks, railway stations, bus stations and places of worship, outside shops and factories, at constructions sites, under bridges, in Hume pipes, on dividers, road junctions and all other similar places under the open sky or places unfit for human habitation. This also includes people who live in temporary structures without walls, under plastic sheets or thatched roofs on pavements, parks or other common places."

CHAPTER 2

2. OBJECTIVES OF THE STUDY

2.1. Objectives of the Study:

KMC, as per the guidelines issued by Ministry of Housing and Urban Affairs, Government of India as communicated by SUDA, has implemented a “Shelter for Urban Homeless” component by providing shelter with all essential services to the Urban Homeless in KMC area under NULM.

To assess the actual number of homeless and the number of shelters required for the homeless population in KMC area, it had proposed to conduct a GIS based survey of homeless in the KMC area.

The objective of this survey was to:

- Provide planners a detailed mapping of concentration areas of homeless populations in the wards under Zone –II of KMC;
- Establish the demographic profile of the homeless population in the area



CHAPTER 3

3. SURVEY PERIOD AND PROJECT AREA**3.1. Survey Period**

The survey was completed within a period of one week, starting from 16th of March, 2018 to 23rd March, 2018.

3.2. Project area

KMC is divided into five zones. I-Win was engaged to cover the areas lying within zone II that comprised the Boroughs 4, 5 and 6. The following table shows a ward wise description of the Boroughs that constitute zone II:

Table 3:1 Boroughs of Zone II

Name of Zone	Boroughs in Zone	No. wards	Ward No.	ZCM Office
Zone II	Borough 4	10	21,22,23,24,25,26,27,28,38,39	Borough 4 at Girish Park
	Borough 5	11	36,37,40,41,42,43,44,45,48,49,50	Borough 5 at College Square
	Borough 6	10	46,47,51,52,53,54,55,60,61,62	Borough 6 at Dhramatolla

CHAPTER 4

4. APPROACH AND METHODOLOGY**4.1. Methodology adopted****4.1.1. Planning phase**

- The wards under Zone –II of KMC were divided into smaller, more compact clusters.
- Necessary equipment like hand-held GPS were arranged to collect the latitude and longitude of the places where the homeless population are found.
- A standard questionnaire format was provided by KMC, and it was followed for collection of demographic and other information.
- Local Police Station, Social Welfare Department, Hospital, Civil Society and other Government line departments were informed through the concerned ULB in advance about the date and time of the survey.
- Prior to the survey, the team of enumerators was trained and oriented on:
 1. Purpose of the survey;
 2. The profiles and problems of the homeless;
 3. Participatory research methods;
 4. Data entry of the data collected through questionnaire;
 5. Expected outcomes;
 6. Ethical responsibilities;
- Orientation material was provided a couple of days prior to starting the survey before the training sessions. Enumerators were briefed about the aims and objectives of the survey, the art of questioning, picking out respondents, and so on. The training included the surveyors, data entry operators and the analysis team.
- A preliminary visit was made in the boroughs before the actual survey was conducted.

4.1.2. Preparation for the Field Survey

- Teams were deployed depending on size and population of the ward/clusters. A few supervisors were placed who accompanied the surveyors to oversee the process and provide the necessary support.
- The field survey commenced after the trained survey teams were in place. The field survey began from 8.00 PM to 2.00 AM, because homeless people are more likely to be identified and contacted at this time. In addition, to cover homeless persons who work during the night, surveys should be planned for a couple of days during the daytime. Representatives from the boroughs under Zone –II of KMC were present with the team at the time of conducting the survey.
- Surveyors had been given a Kolkata City Map and the respective Borough maps.

4.1.3. Conducting the Survey

- The survey considered those as homeless who do not have a house, either self-owned or rented, but instead live and sleep on pavements, at parks, railway stations, bus stations and places of worship, outside shops and factories, at constructions sites, under bridges, in Hume pipes, on dividers, road junctions and all other similar places under the open sky or places unfit for human habitation. This also includes people who live in temporary structures without walls, under plastic sheets or thatched roofs on pavements, parks or other common places.
- Areas with concentration of homeless population were identified;
- The profiling of the homeless populations in these areas in terms of gender, age, education, occupation, marital status, number of children, history of illness etc. persons with disability were categorized separately.
- Resource mapping was done by identifying the concentrations of homeless population in each of the Boroughs. These are areas where possible shelters could be built.



4.1.4. Study Design and Data Interpretation

- The data collected during the survey was cleaned and compiled as Annexure II
- Validation of the survey was done by cross-checking of a few addresses by checking their longitude-latitude.
- The filled up questionnaires, which were the main tool of the survey, were checked thoroughly for discrepancies in data.
- Data was interpreted Borough-wise and presented in graphs and charts for easier readability of the information collected.

CHAPTER 5

5. DEMOGRAPHY

The area under zone constitutes the three boroughs: Borough IV, V and VI.

5.1. Borough IV

There are 10 wards under Borough IV. They are: **39, 28, 27, 23, 25, 26, 21, 38, 24 and 22.**

The Borough constitutes places in North Kolkata, out of which, popular places are Kalakar Street, Hedua, Chittaranjan Avenue, Girish Park, Vivekananda Road, Bidhan Sarani, Chalta Bagan Lane, and Raja Dinendra Street, among others.

The commercial hubs of Strand Road, Barrabazar, Raja Ram Mohan Sarani and Amherst Street are situated in Borough IV. Most of the daily workers derive their source of livelihood from these market areas. The following table shows the wards in which relatively denser concentrations of homeless people have been found during the survey.

WARD NO.	NUMBER OF HOMELESS	IMPORTANT AREAS UNDER THE WARD
21	60	Strand Road
38	63	Raja Ram Mohan Sarani, Amherst Street
24	67	Paturia Ghat, Barrabazar
22	70	Strand Road

Although homeless people are found in concentrations in all the wards in this Borough, the detailed distribution of the homeless population in each ward has been given in chapter 6.

5.2. Borough V

There are 11 wards under Borough V. They are: **42, 43, 49, 37, 41, 44, 48, 45, 40, 50 and 36.**

The Borough constitutes areas near Mahatma Gandhi Road, College Street, Acharya Prafulla Chandra Road, Rabindra Sarani, Bipin Behari Ganguly Street, Strand Road, Amherst Street and Raja Ram Mohan Sarani, to name just a few. College Square and the Sealdah area and its surrounding market lanes also fall in this Borough. The following table shows the wards in which relatively denser concentrations of homeless people have been found during the survey.

WARD NO.	NUMBER OF HOMELESS	IMPORTANT AREAS UNDER THE WARD
50	47	College Square Area
36	85	Sealdah

Although homeless people are found in concentrations in all the wards in this Borough, the detailed distribution of the homeless population in each ward has been given in chapter 7.

5.3. Borough VI

There are 10 wards under Borough VI. They are: **54, 55, 62, 47, 60, 61, 53, 52, 46 and 51.**

Borough VI constitutes areas lying near Mirza Ghalib Street, Chandni Chowk, Lalbazar Street, Bipin Behari Ganguly street, Lenin Sarani, Surendranath Banerjee Road, Dr Suresh Sarkar Road, Sealdah and Beliaghata Road among others. Some of them are among the prominent business hubs in Kolkata. This area consists of daily workers who work in the Bentinck Street and the area around the park of Subodh Mallick Square

The following table shows the wards in which relatively denser concentrations of homeless people have been found during the survey.

WARD NO.	NUMBER OF HOMELESS	IMPORTANT AREAS UNDER THE WARD
46	34	Bentinck Street
51	35	Subodh Mallick Square

Although homeless people are found in concentrations in all the wards in this Borough, the detailed distribution of the homeless population in each ward has been given in chapter 8.

CHAPTER 6

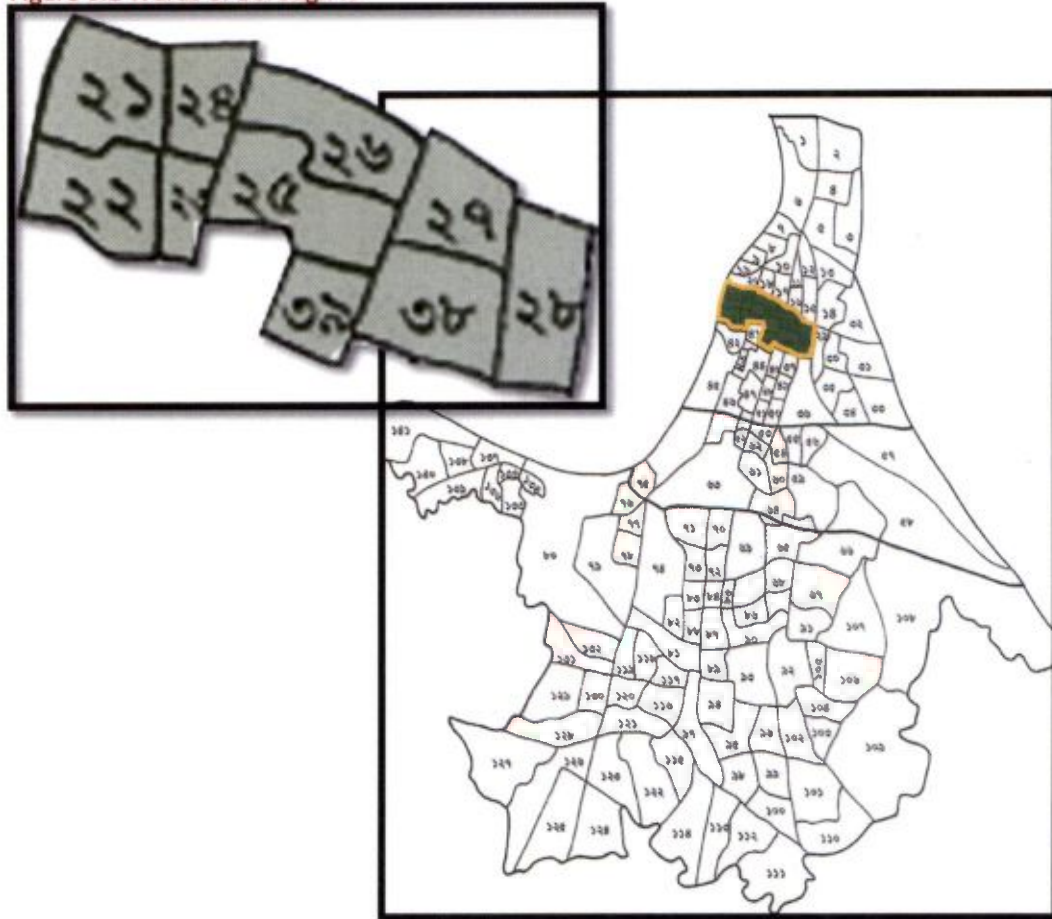
6. BOROUGH IV DETAILS

6.1. Introduction

Borough IV constitutes places in North Kolkata, such as Kalakar Street, Hedua, Chittaranjan Avenue, Girish Park, Vivekananda Road, Bidhan Sarani, Chalta Bagan Lane, and Raja Dinendra Street, among others.

6.2. Wards under Borough IV

Figure 6:1 Wards of Borough IV



6.3. Ward-wise details of the homeless people

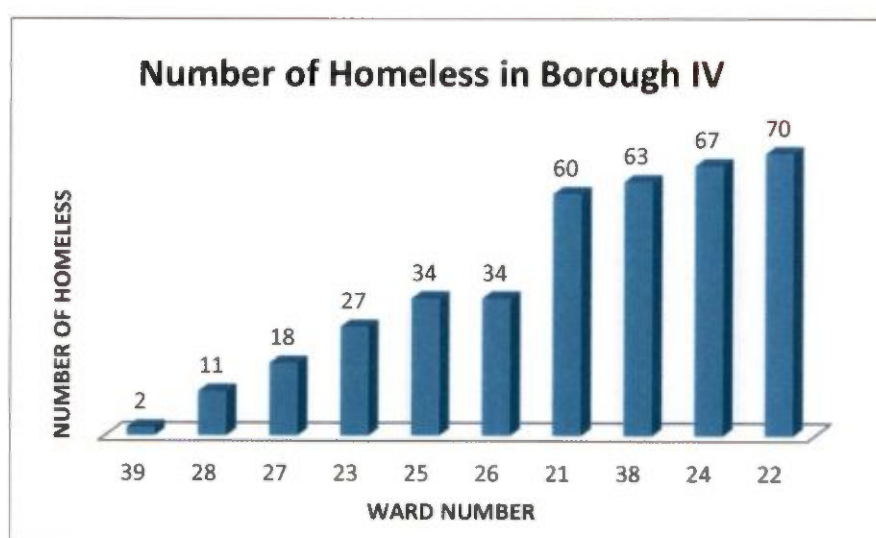
WARD	NO.OF HOMELESS	OCCUPATION	INCOME	LITERACY	MARITAL STATUS	AGE GROUP	GENDER WISE	PHY/MENTALLY	ADDICTED/NON ADDICTED
21	60	BEGGAR-0	0-1000-0	LITERATE-15	MARRIED-42	0-14-7	MALE-42	PHY-0	ADDICTED-0
		DRIVER-2	1001-2000-1	ILLITERATE-45	UNMARRIED-18	15-30-22	FEMALE-18	MEN-0	NOT FOUND-60
		FISH WORK-2	2001-4000-27	NA-0		31-50-19			
		HANDICRAFT-0	>4000-0			>50-12			
		HAWKER-4							
		HOUSEWIFE-10							
		HOUSEKEEPING-1							
		LABOUR-3							
		MAID-5							
		NIL-9							
		PAINTER-1							
		RICKSHAW PULLER-12							
		RAG PICKERS-5							
		SCREEN PRINTING-0							
		STUDENT-6							
		VAN PULLER-0							
22	70	BEGGAR-1	0-1000-0	LITERATE-27	MARRIED-40	0-14-6	MALE-51	PHY-0	NOT FOUND-70
		MAID-1	1001-2000-0	ILLITERATE-43	UNMARRIED-30	15-30-27	FEMALE-19	MEN-0	
		RICKSHAW PULLER-4	2001-4000-40			31-50-17			
		NA-20	>4000-0			>50-20			
		Depend-14							
		Student-10							
		H-Wife-3							
23	27	Lab-8	0-1000-0	LITERATE-22	MARRIED-18	0-14-0	MALE-23	PHY-0	NOT FOUND-27
		DEP-12	1001-2000-15	ILLITERATE-5	UNMARRIED-9	15-30-7	FEMALE-4	MEN-6	
		VEND-3	2001-4000-15			31-50-13			
			>4000-0			>50-7			
24	67	BEGGAR-1	0-1000-0	LITERATE-63	MARRIED-53	0-14-13	MALE-51	PHY-0	ADDICTED-0
		DRIV-4	1001-2000-0	ILLITERATE-4	UNMARRIED-14	15-30-4	FEMALE-16	MEN-0	NOT FOUND-67
		SHOP-1	2001-4000-35			31-50-27			
		DEPEND-32	>4000-0			>50-23			
		RICK-7							
25	34	LABOUR-22							
		HOME MAKER-7	0-1000-0	LITERATE-15	MARRIED-14	0-14-16	MALE-17	PHY-0	ADDICTED-0
		DRIV-6	1001-2000-3	ILLITERATE-19	UNMARRIED-20	15-30-7	FEMALE-17	MEN-0	NOT FOUND-34
		SHOP-2	2001-4000-6			31-50-10			
		DEPEND-8	>4000-0			>50-1			
26	34	RICK-3							
		LABOUR-6							
		HOME MAKER-6	0-1000-2	LITERATE-24	MARRIED-14	0-14-11	MALE-16	PHY-1	ADDICTED-0
		DRIV-6	1001-2000-6	ILLITERATE-10	UNMARRIED-20	15-30-14	FEMALE-18	MEN-0	NOT FOUND-34
		UN EMPLO-13	2001-4000-7			31-50-5			
27	18	H WIFE-2	>4000-0			>50-4			
		VEND-6							
		LABOUR-1							
28	11	VENDOR-8	0-1000-0	LITERATE-5	MARRIED-9	0-14-5	MALE-8	PHY-0	ADDICTED-0
		DRIV-5	1001-2000-4	ILLITERATE-13	UNMARRIED-9	15-30-6	FEMALE-10	MEN-0	NOT FOUND-18
		DEPEND-5	2001-4000-4			31-50-5			
			>4000-0			>50-2			
38	63	VENDOR-6	0-1000-0	LITERATE-10	MARRIED-10	0-14-1	MALE-4	PHY-0	ADDICTED-0
		WORKER-2	1001-2000-4	ILLITERATE-11	UNMARRIED-1	15-30-2	FEMALE-7	MEN-0	NOT FOUND-11
		BEGGER-3	2001-4000-1			31-50-2			
			>4000-0			>50-6			
		VENDOR-3	0-1000-2	LITERATE-7	MARRIED-32	0-14-22	MALE-53	PHY-2	ADDICTED-0
		DRIV-5	1001-2000-12	ILLITERATE-56	UNMARRIED-31	15-30-24	FEMALE-10	MEN-0	NOT FOUND-63
		DEPEND-26	2001-4000-15			31-50-14			
39	2	STUDENT-5	>4000-0			>50-13			
		BEGG-6							
		WORKER-10							
		HAWKER-8							
39	2	HAWKER-2	0-1000-0	LITERATE-1	MARRIED-0	0-14-0	MALE-2	PHY-0	ADDICTED-0
			1001-2000-0	ILLITERATE-2	UNMARRIED-2	15-30-1	FEMALE-0	MEN-0	NOT FOUND-2
			2001-4000-2			31-50-1			
			>4000-0			>50-0			

6.4. Major Findings and Observations

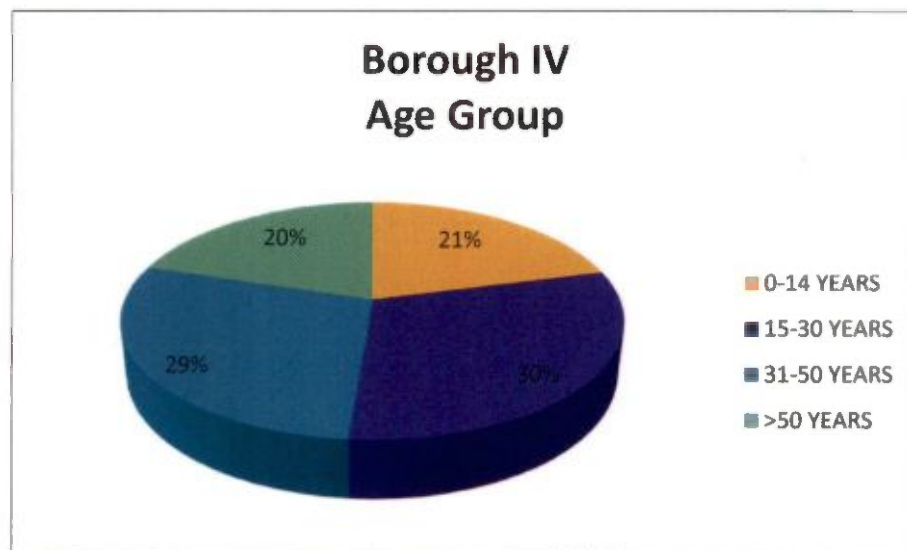
6.4.1. Number of Homeless

The survey analysis showed that the total number of homeless people found in Borough IV were 386. A total of 70 homeless people were found in ward number 22, whereas only 2 homeless people were found in ward number 39. The distribution of homeless people can be seen in the graph below:

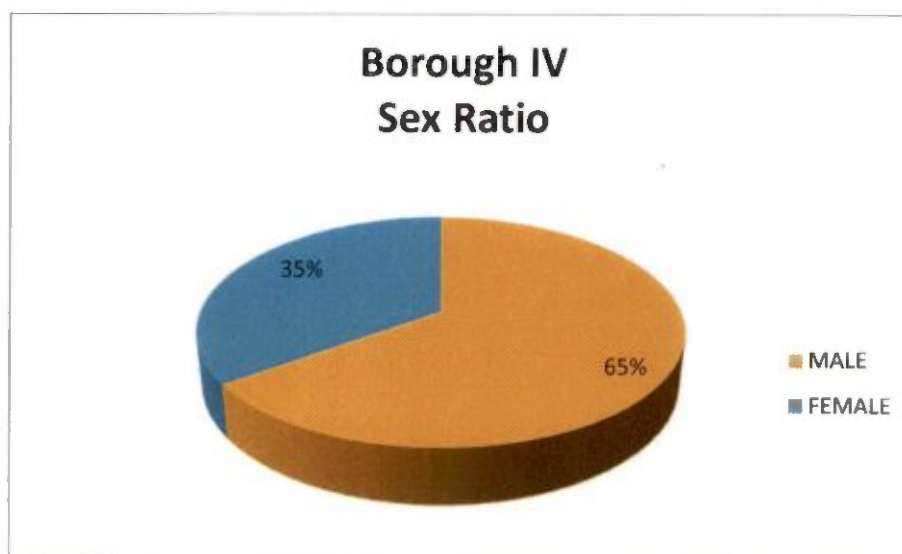
Figure 6:2 Count of homeless people in Borough IV

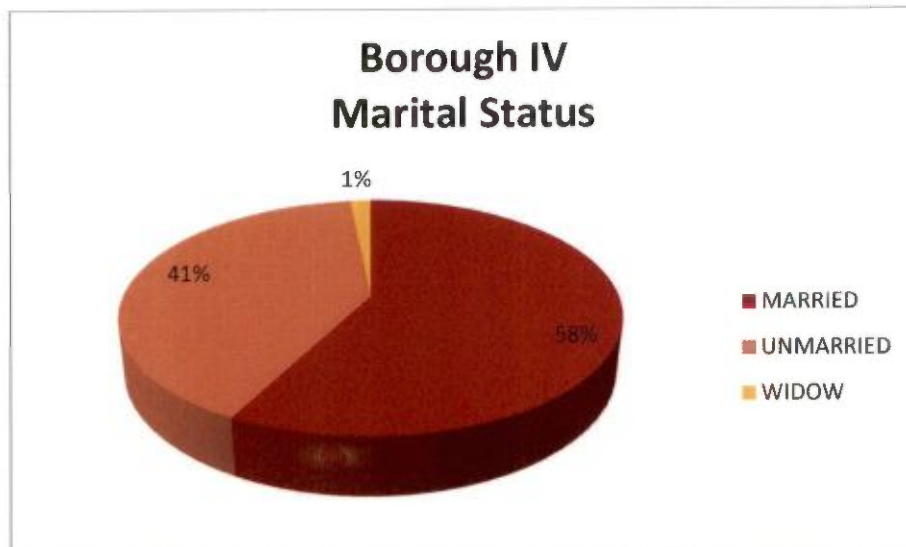
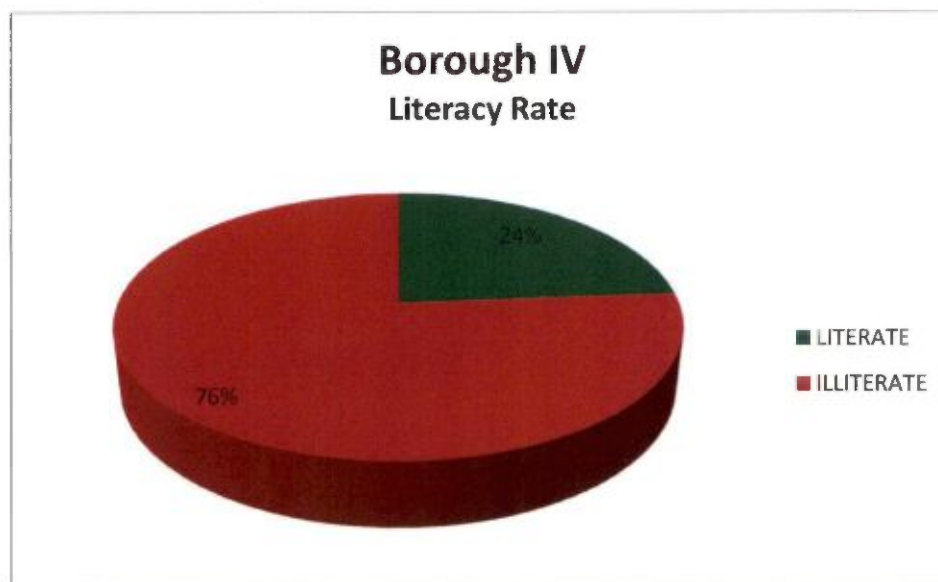


6.4.2. Age Group



6.4.3. Sex Ratio

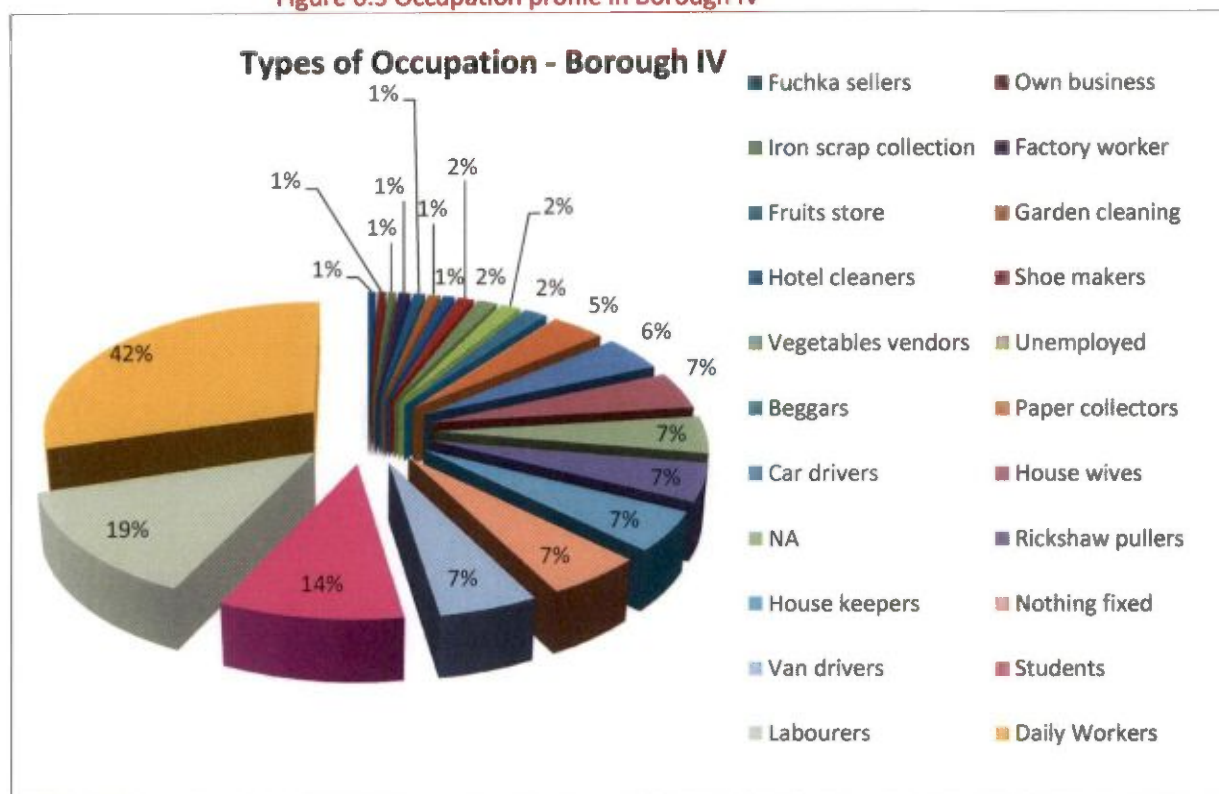


6.4.4. Marital Status**6.4.5. Literacy Rate**

6.4.6. Occupation

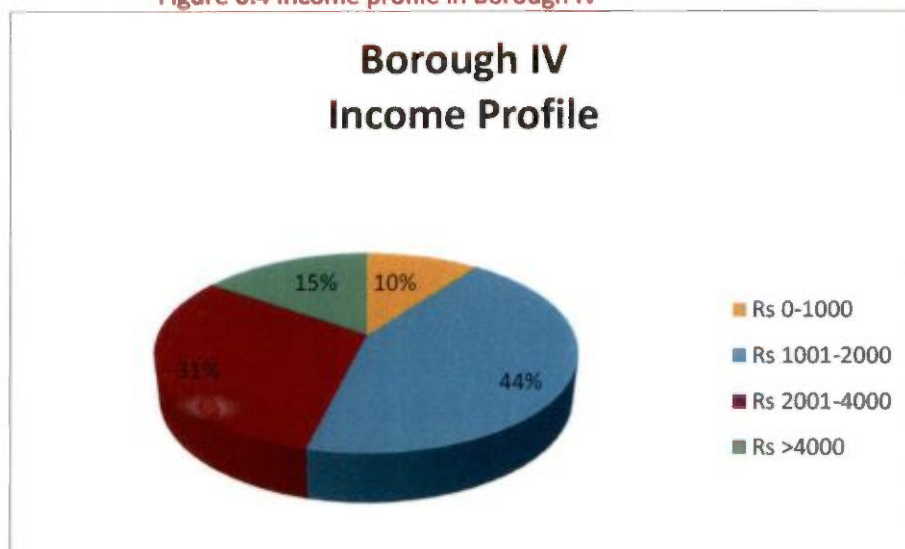
Our survey analysis shows that a diverse range of occupations of the homeless people is found. Out of the 386 homeless people in Borough IV, 42% are daily workers, 14% are students and a very small percentage is attributed to fuchka sellers, fruit sellers, beggars, shoe makers, etc. Quite a handful of people are rikshaw pullers and paper collectors.

Figure 6:3 Occupation profile in Borough IV



6.4.7. Income Profile

Figure 6:4 Income profile in Borough IV



6.4.8. Resource Mapping

There are a few warehouses belonging to the port trust along Strand Road that could be used as shelters for the homeless.

CHAPTER 7

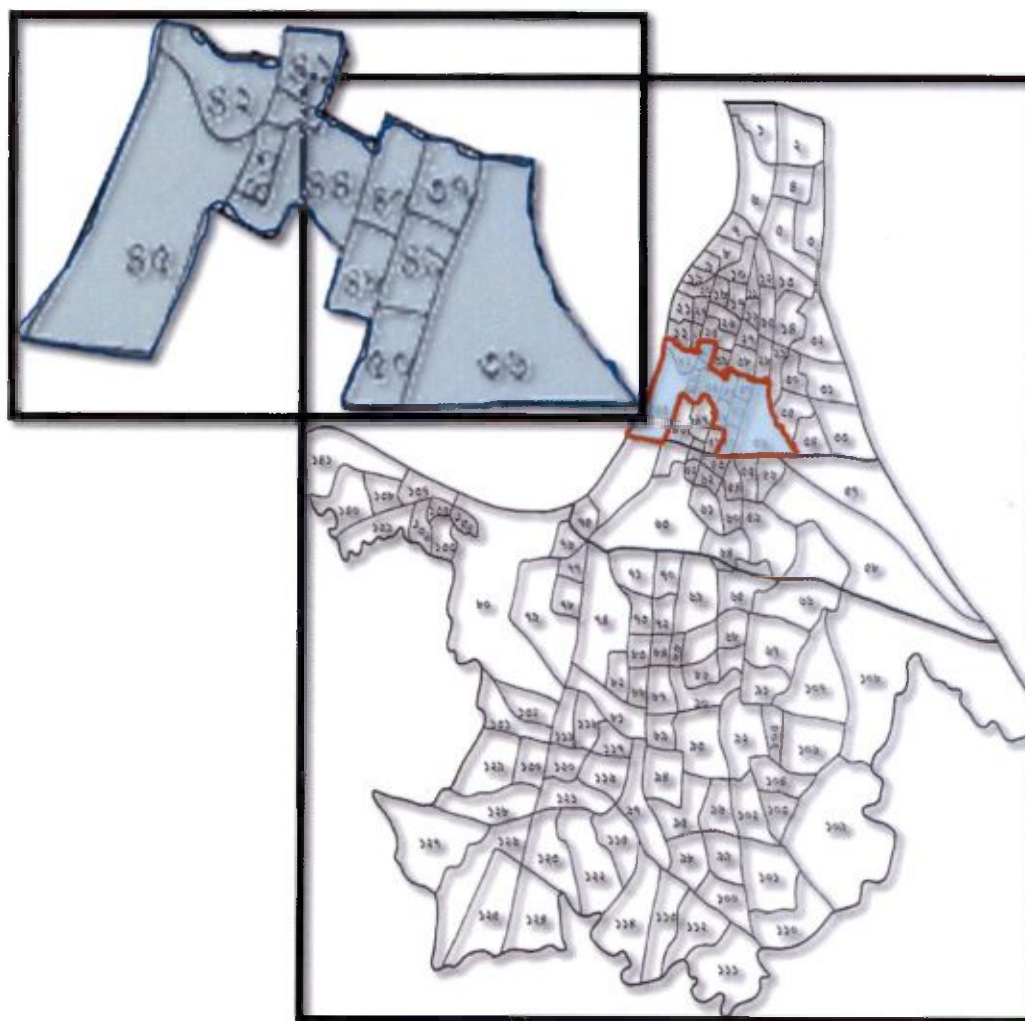
7. BOROUGH V DETAILS

7.1. Introduction

Borough V constitutes areas near Mahatma Gandhi Road, College Street, Acharya Prafulla Chandra Road, Rabindra Sarani, Bipin Behari Ganguly Street, Strand Road, Amherst Street and Raja Ram Mohan Sarani, to name just a few.

7.2. Wards under Borough V

Figure 7:1 Wards of Borough V



7.3. Ward-wise details of the homeless people

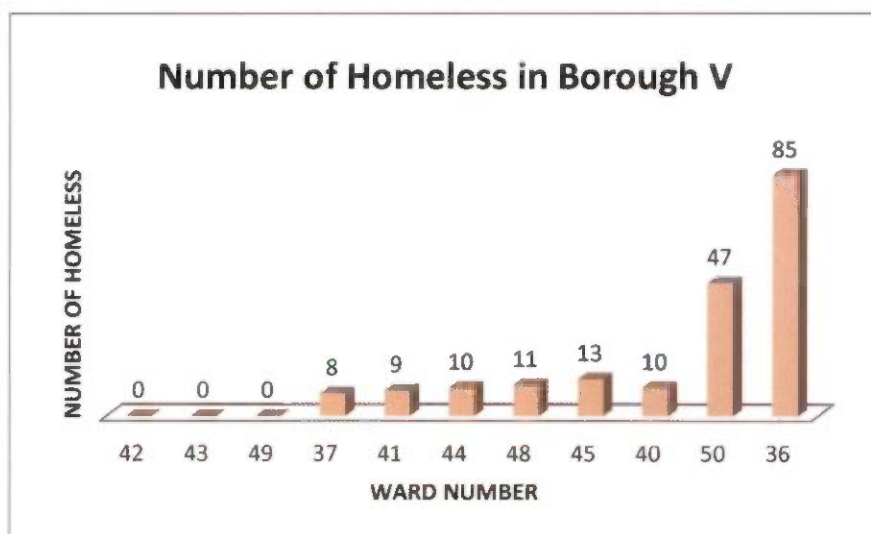
WARD	NO.OF HOMELESS	OCCUPATION	INCOME	LITERACY	MARITAL STATUS	AGE GROUP	GENDER WISE	PHY/MENTALLY	ADDICTED/NON ADDICTED
36	85	BEGGAR-2	0-1000---3	LITERATE-1	MARRIED-55	0-14---16	MALE-51	PHY-1	ADDICTED-4
		DRIVER-2	1001-2000---2	ILLITERATE-14	UNMARRIED-15	15-30---33	FEMALE-34	MEN-0	NOT FOUND-81
		FISH WORK-2	2001-4000---22		NA-15	31-50---25			
		HANDICRAFT-1	>4000---14			>50---11			
		HAWKER-1	NA---44						
		HOUSEWIFE-16							
		HOUSEKEEPING-1							
		LABOUR-9							
		MAID-5							
		NIIL-21							
		PAINTER-1							
		RIKSHAW PULLER-3							
		RAG PICKERS-17							
		SCREEN PRINTING-1							
		STUDENT-3							
		VAN PULLER-9							
37	8	BEGGAR-4	0-1000---0	LITERATE-0	MARRIED-4	0-14---0	MALE-3	PHY-0	NOT FOUND-8
		MAID-1	1001-2000---4	ILLITERATE-8	UNMARRIED-4	15-30---3	FEMALE-5	MEN-0	
		RIKSHAW PULLER-1	2001-4000---1			31-50---1			
		NA-2	>4000---1			>50---4			
			NA---2						
40	10	BEGGAR-7	0-1000---0	LITERATE-0	MARRIED-2	0-14---1	MALE-8	PHY-0	NOT FOUND-10
		NA-3	1001-2000---6	ILLITERATE-10	UNMARRIED-8	15-30---4	FEMALE-2	MEN-0	
			2001-4000---1			31-50---4			
			>4000---0			>50---1			
			NA---3						
41	9	BEGGAR-6	0-1000---0	LITERATE-0	MARRIED-0	0-14---0	MALE-9	PHY-0	ADDICTED-2
		BOTTLE PICKUP-3	1001-2000---6	ILLITERATE-9	UNMARRIED-9	15-30---5	FEMALE-0	MEN-0	NOT FOUND-7
			2001-4000---1			31-50---3			
			>4000---0			>50---1			
			NA---3						
44	10	BEGGAR-3	0-1000---3	LITERATE-0	MARRIED-0	0-14---0	MALE-10	PHY-0	ADDICTED-9
		BOTTLE PICKUP-3	1001-2000---7	ILLITERATE-10	UNMARRIED-10	15-30---5	FEMALE-0	MEN-0	NOT FOUND-1
		PAPER PICKUP-4	2001-4000---0			31-50---5			
			>4000---0			>50---0			
			NA---0						
45	13	BEGGAR-3	0-1000---0	LITERATE-1	MARRIED-8	0-14---4	MALE-6	PHY-0	ADDICTED-0
		DEPENDENT-1	1001-2000---0	ILLITERATE-12	UNMARRIED-5	15-30---4	FEMALE-7	MEN-0	NOT FOUND-13
		LABOUR-3	2001-4000---3			31-50---4			
		NOT DISCLOSED-2	>4000---2			>50---1			
		NURSING-1	NA---8						
		PAPER COLLECTOR-1							
48	11	BEGGAR-5	0-1000---4	LITERATE-1	MARRIED-2	0-14---3	MALE-8	PHY-0	NOT FOUND-11
		BOTTLE PICKUP-2	1001-2000---3	ILLITERATE-10	UNMARRIED-9	15-30---3	FEMALE-3	MEN-0	
		DEPENDENT-4	NA---4			31-50---5			
50	47	BEGGAR-2	0-1000---4	LITERATE-2	MARRIED-28	0-14---6	MALE-31	PHY-0	NOT FOUND-47
		COOKING-1	1001-2000---10	ILLITERATE-45	UNMARRIED-19	15-30---19	FEMALE-16	MEN-0	
		DEPENDENT-9	2001-4000---14			31-50---17			
		HOUSEKEEPING-2	>4000---3			>50---5			
		LABOUR-9	NA---16						
		MAID-12							
		RIKSHAW PULLER-3							
		STUDENT-2							
		VAN PULLER-3							
		NA-4							

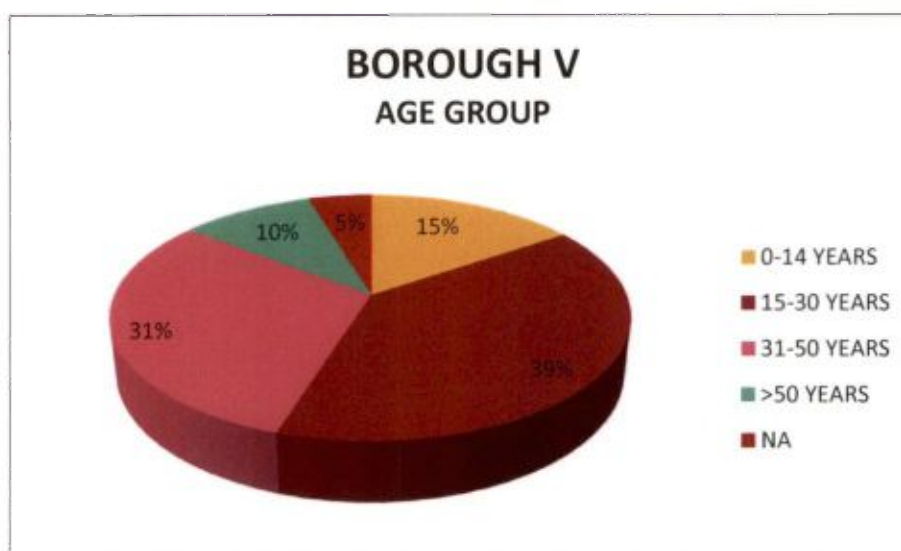
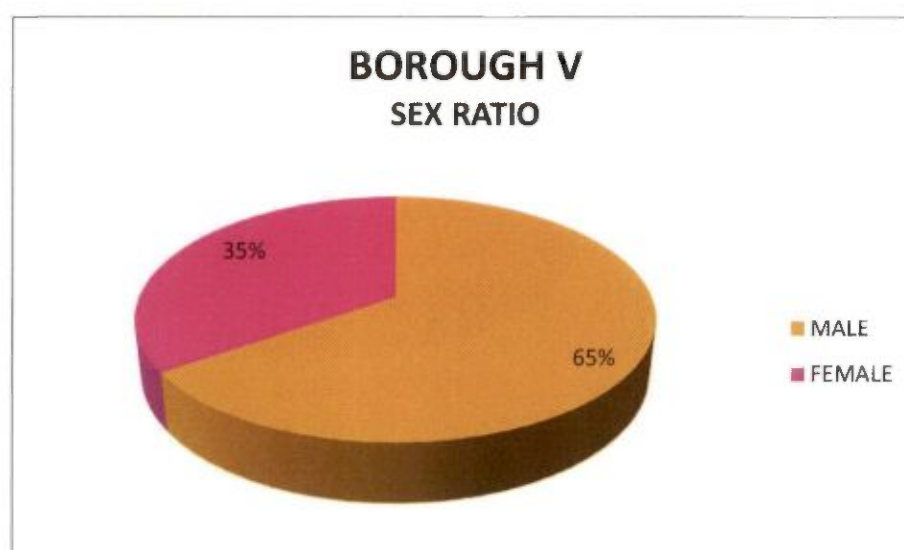
7.4. Major Findings and Observations

7.4.1. Number of Homeless

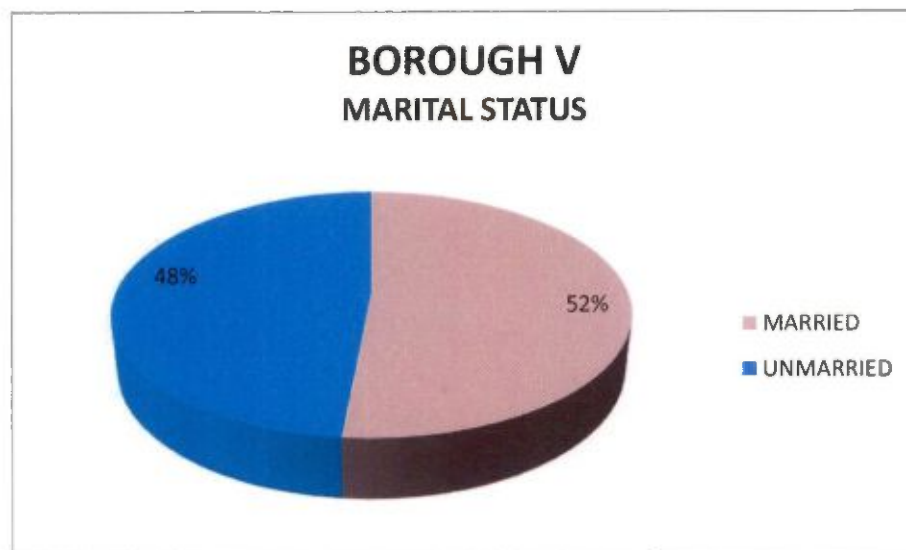
In Borough V, a total of 193 homeless people were found. Ward number 36 comprised 85 homeless people, whereas ward numbers 42, 43 and 49 had zero homeless population. The distribution of homeless people for this Borough can be seen in the graph below:

Figure 7:2 Count of homeless people in Borough V

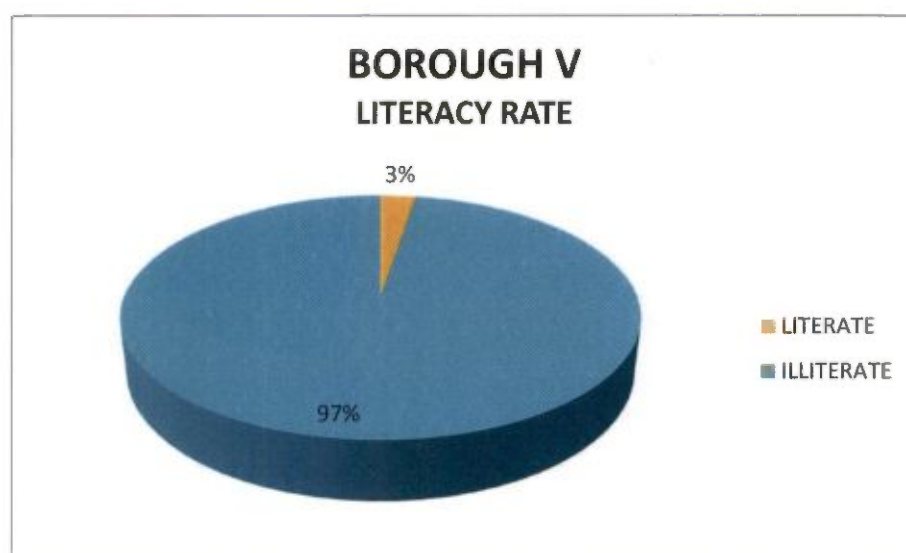


7.4.2. Age Group**7.4.3. Sex Ratio**

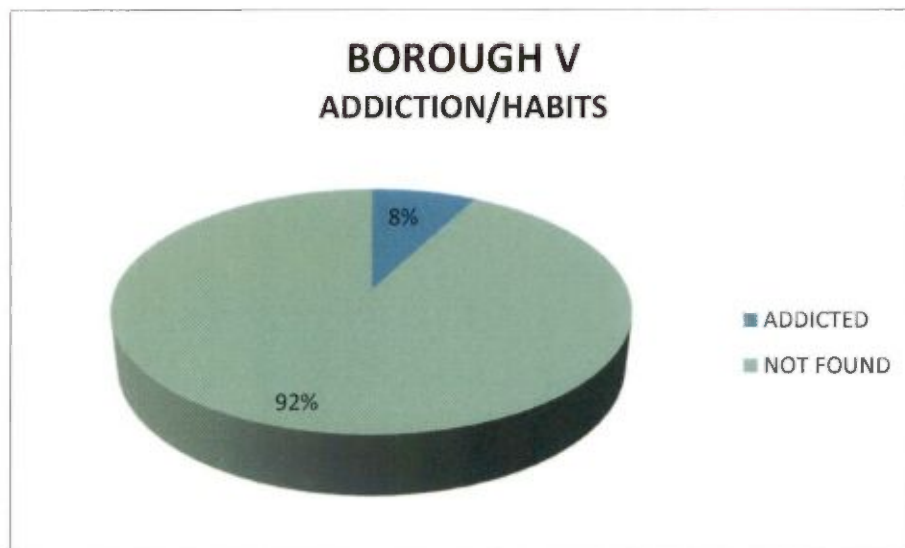
7.4.4. Marital Status



7.4.5. Literacy Rate



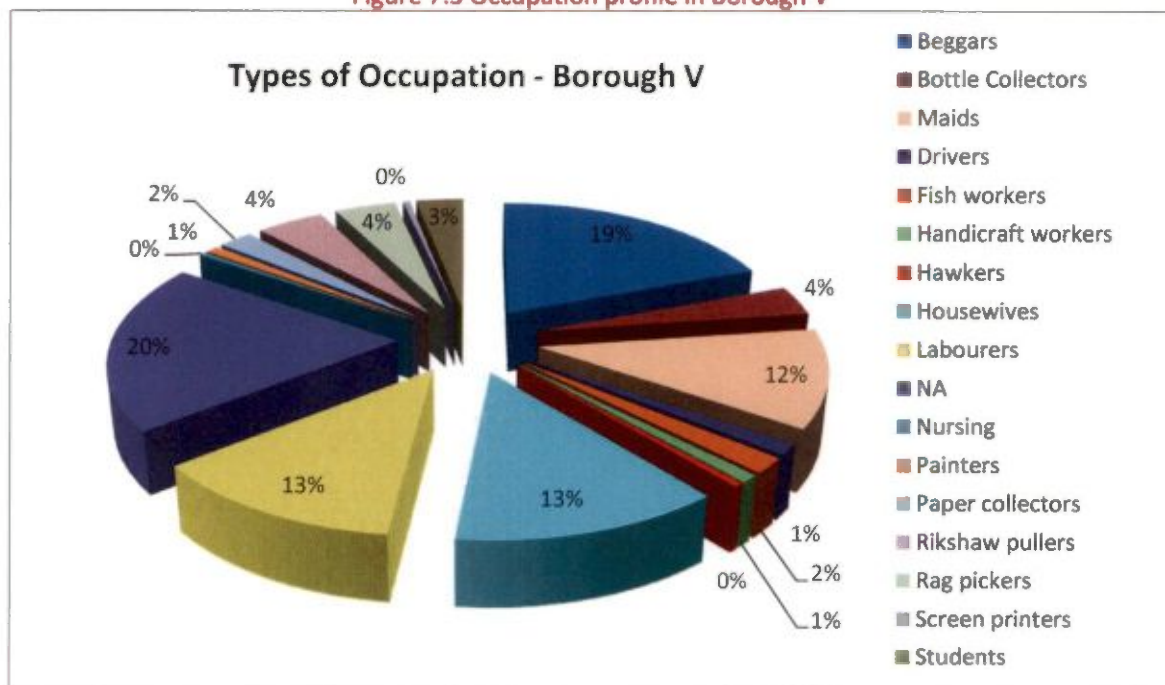
7.4.6. Habits/Addiction



7.4.7. Occupation

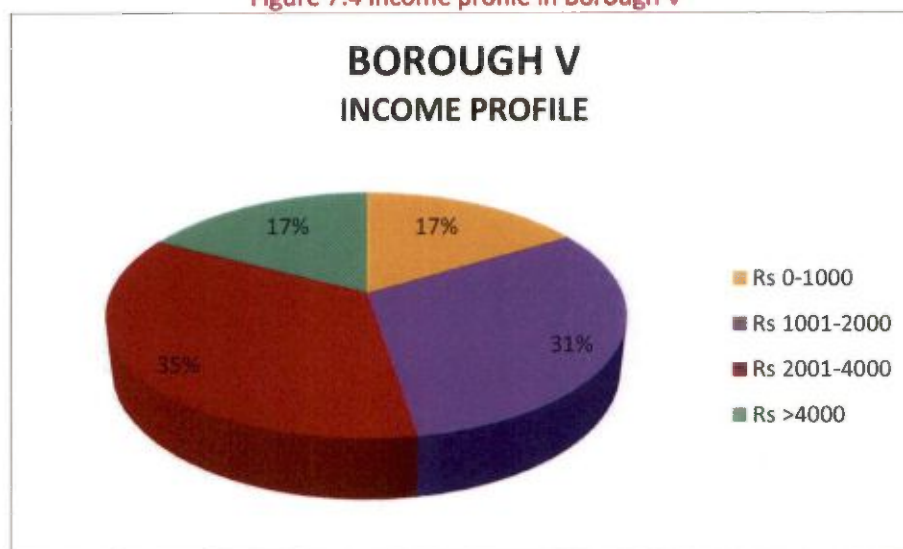
Borough V is home to 193 homeless people out of which, 19% are beggars, 13% are labourers, and 12% are maids or housekeepers. A very small percentage of the homeless population is engaged in fish work, handicrafts and bottle collection.

Figure 7:3 Occupation profile in Borough V



7.4.8. Income Profile

Figure 7:4 Income profile in Borough V



7.5. Resource Mapping

No places that could be identified as potential shelters for the homeless have been found in this Borough.

CHAPTER 8

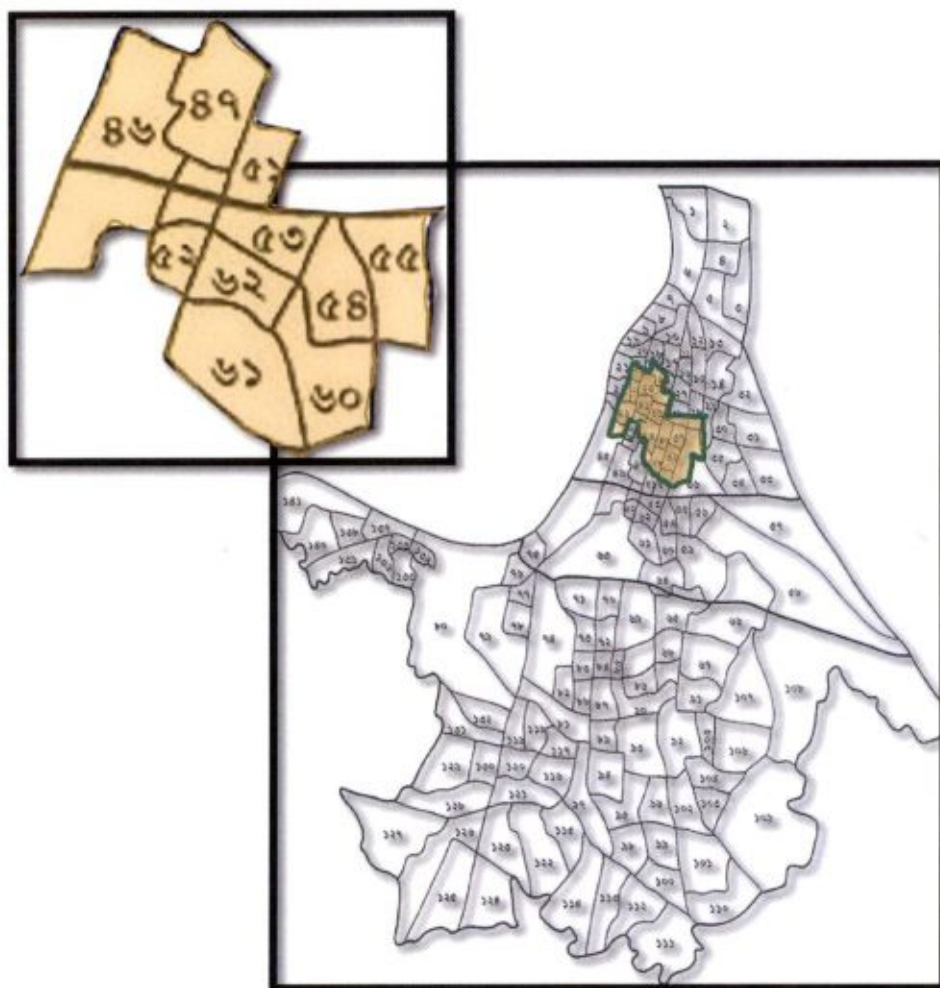
8. BOROUGH VI DETAILS

8.1. Introduction

Borough VI constitutes areas lying near Mirza Ghalib Street, Chandni Chowk, Lalbazar Street, Bipin Behari Ganguly street, Lenin Sarani, Surendranath Banerjee Road, Dr Suresh Sarkar Road, Sealdah and Beliaghata Road among others. Some of them are among the prominent business hubs in Kolkata.

8.2. Wards under Borough VI

Figure 8:1 Wards of Borough VI



GIS Based Survey of Urban Homeless Population in the Wards under the jurisdiction of Borough No. 4,5&6 (Zone-II)

8.3. Ward-wise details of the homeless people

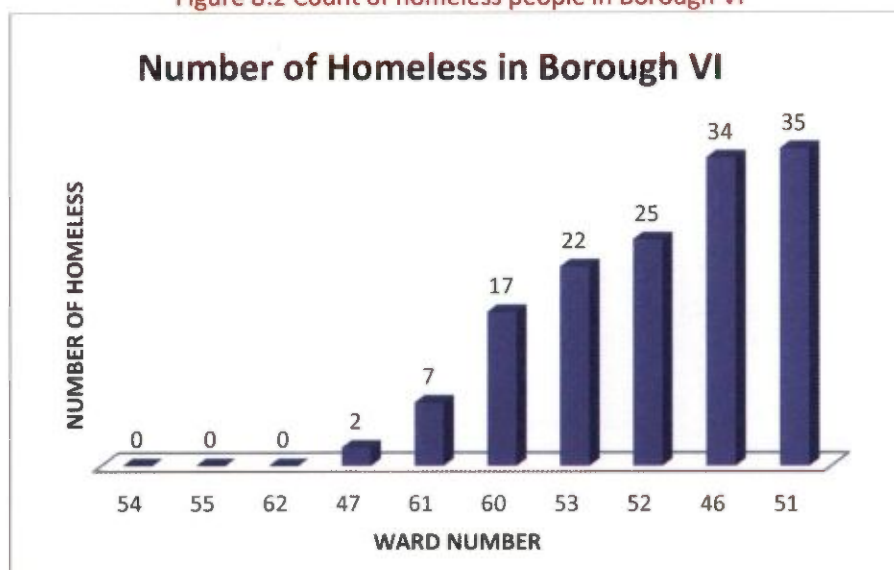
WARD	NO.OF HOMELESS	OCCUPATION	INCOME	LITERACY	MARITAL STATUS	AGE GROUP	GENDER WISE	PHY/MENTALLY	ADDICTED/NON ADDICTED
46	34	BEGG-8	0-1000---1	LITERATE-	MARRIED-16	0-14---9	MALE-19	PHY-0	ADDICTED-0
		DEPEN-18	1001-2000---6	ILLITERATE-34	UNMARRIED-18	15-30---11	FEMALE-15	MEN-0	NOT FOUND-34
		DRIV-1	2001-4000---5			31-50---11			
		SERV-5	>4000---0			>50---3			
		Labour-2							
47	2	BEGG-2	0-1000---1	LITERATE-0	MARRIED-0	0-14---	MALE-2	PHY-0	ADDICTED-0
		LABOUR-2	1001-2000---1	ILLITERATE-2	UNMARRIED-2	15-30---	FEMALE-0	MEN-0	NOT FOUND-2
			2001-4000---0			31-50---2			
			>4000---0			>50---0			
51	35	BEGG-1	0-1000---1	LITERATE-0	MARRIED-8	0-14---10	MALE-19	PHY-1	ADDICTED-0
		LABOUR-10	1001-2000---3	ILLITERATE-35	UNMARRIED-17	15-30---18	FEMALE-16	MEN-0	NOT FOUND-35
		Depen-24	2001-4000---7			31-50---5			
			>4000---0			>50---2			
52	25	BEGG-4	0-1000---1	LITERATE-17	MARRIED-8	0-14---5	MALE-20	PHY-0	ADDICTED-0
		LABOUR-6	1001-2000---0	ILLITERATE-8	UNMARRIED-17	15-30---3	FEMALE-5	MEN-0	NOT FOUND-25
		Depen-5	2001-4000---16			31-50---8			
		PAPER PICKER-8	>4000---0			>50---9			
		HOME MAKER-2							
53	22	BEGG-1	0-1000---1	LITERATE-0	MARRIED-10	0-14---5	MALE-13	PHY-0	ADDICTED-0
		LABOUR-8	1001-2000---2	ILLITERATE-22	UN MARR-12	15-30---7	FEMALE-9	MEN-0	NOT FOUND-22
		Depen-11	2001-4000---8			31-50---6			
		HAWKER-2	>4000---0			>50---4			
60	17	BEGG-2	0-1000---4	LITERATE-0	MARRIED-8	0-14---5	MALE-11	PHY-1	ADDICTED-0
		LABOUR-2	1001-2000---1	ILLITERATE-17	UN MARR-9	15-30---7	FEMALE-6	MEN-0	NOT FOUND-17
		Depen-11	2001-4000---2			31-50---4			
		HAWKER-2	>4000---0			>50---1			
61	7	BEGG-7	0-1000---6	LITERATE-0	MARRIED-0	0-14---0	MALE-7	PHY-0	ADDICTED-0
			1001-2000---1	ILLITERATE-7	UN MARR-7	15-30---5	FEMALE-0	MEN-0	NOT FOUND-7
			2001-4000---0			31-50---1			
			>4000---0			>50---1			

8.4. Major Findings and Observations

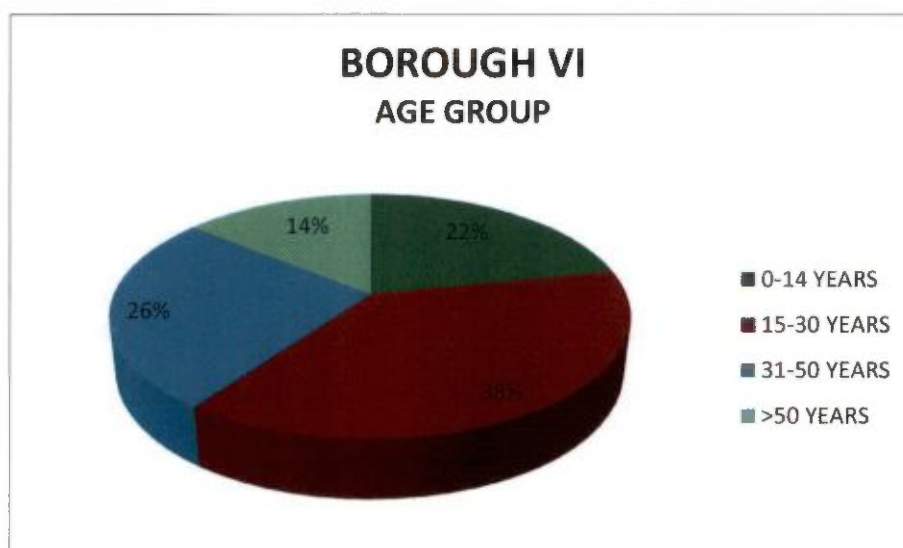
8.4.1. Number of homeless persons

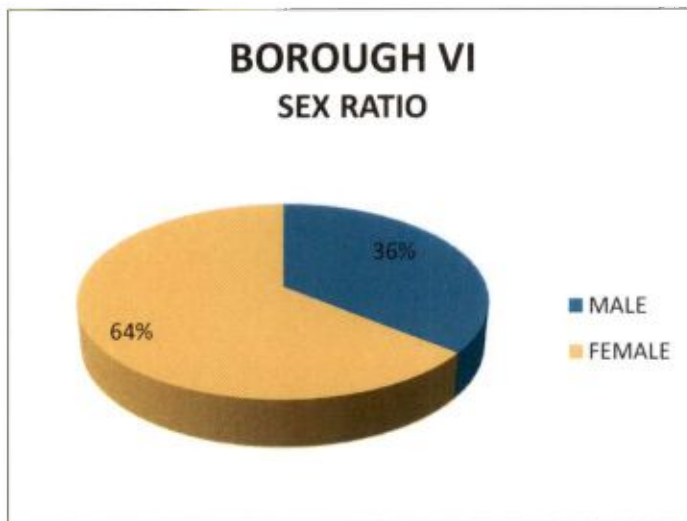
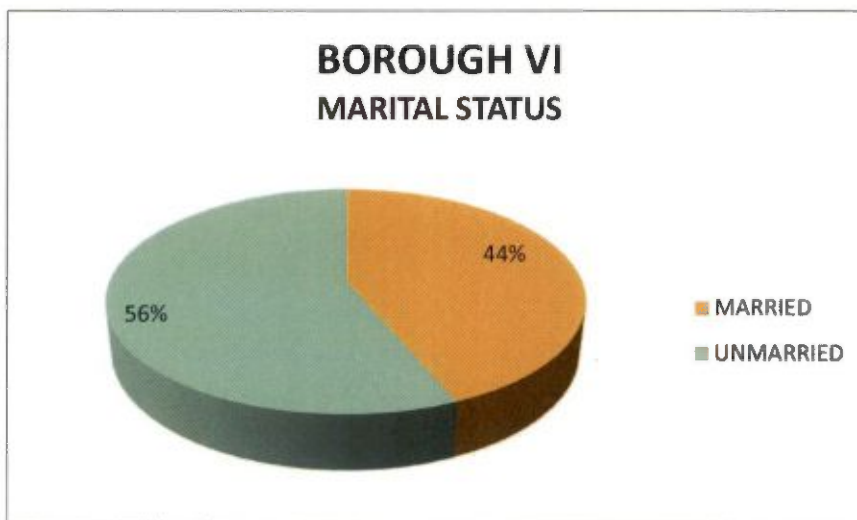
Borough VI was found to comprise 142 homeless people. Wards 51 and 46 consist of 35 and 34 homeless people, respectively. Wards 54, 55 and 62 have zero homeless population. The distribution of homeless people for this Borough can be seen in the graph below:

Figure 8:2 Count of homeless people in Borough VI

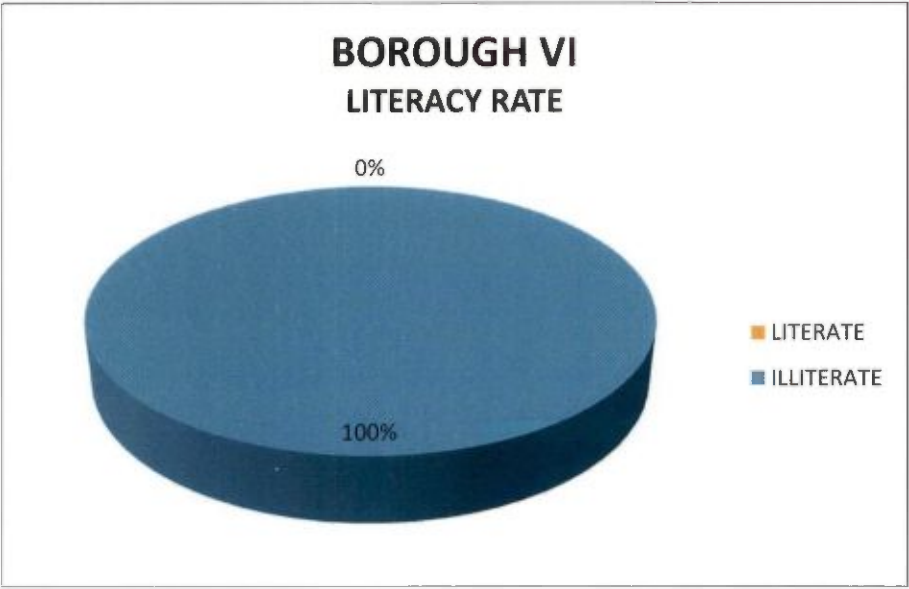


8.4.2. Age Group



8.4.3. Sex Ratio**8.4.4. Marital Status**

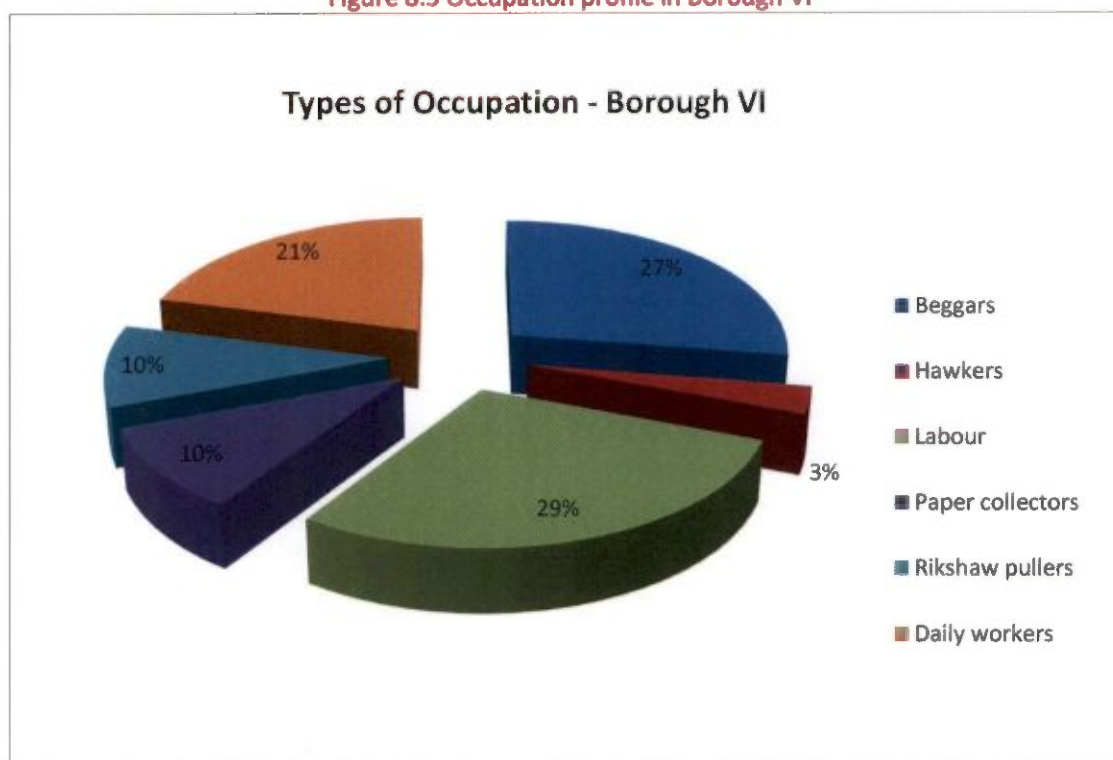
8.4.5. Literacy Rate



8.4.6. Occupation

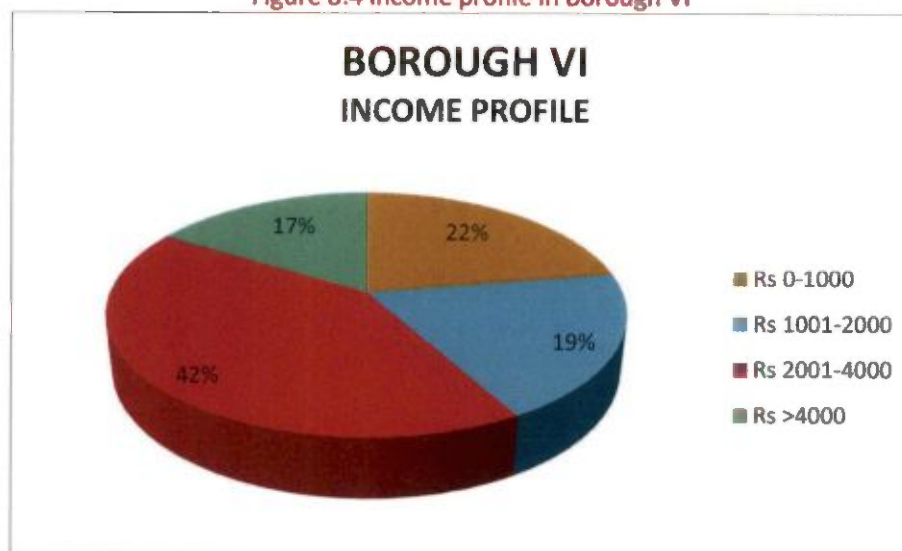
In Borough VI, homeless people are engaged in less diverse activities for their livelihood. 29% are labourers, 27% and 21% are beggars and daily workers, respectively. The rest of the homeless people work as rikshaw pullers, paper collectors and hawkers.

Figure 8:3 Occupation profile in Borough VI



8.4.7. Income Profile

Figure 8:4 Income profile in Borough VI



8.4.8. Resource Mapping

No places that could be identified as potential shelters for the homeless have been found in this Borough.

The survey results showed that 721 homeless people thrived in the Boroughs
Borough-wise results are given in the table below:

Borough Number	Number of Homeless people
IV	386
V	193
VI	142
Total	721

CHAPTER 9

9. PLACES OF CONCENTRATION OF HOMELESS POPULATION AS IDENTIFIED DURING THE SURVEY PERIOD

Borough IV at Girish Park constitutes the warehouses for the port trust area. It appears that the concentration of homeless population is relatively higher in this Borough.

The table given below shows the locations in this Borough where concentrations of the homeless population have been identified. Although these spots were identified during the daytime, the survey in these areas along with other areas was conducted at night.

Ward No.21	Baishuda Ghat Street-Right side
	Pathuria Ghat Street- Anukul Mukherjee Road-Binani Bhawan Wall side
	Starts from Strand Road- Medical College Hospital 2nd Campus- many temporary jhopris found of homeless people mostly migrated from Bihar
	Brajo Gobinda Saha lane- Near Adi Bhutnath Mandir- Found about 4 family: consists of 16 heads
	Nimtala Burning Ghat area
Ward No.22	Kalakar Street up to Mahatma Gandhi Road crossing
	Basak Street, Maharshi Devendra Road-Near ward office of 22
	Both side of Old mint house of RBI- Many family stay in build up temporary shed, main spot for homeless
	Up to Vivekananda Road extension crossing
	Posta godown area- mainly migrated people from Bihar and Odissa state
Ward No.23	Kali Krishna Tagore Street- Shib temple-Pute kalibari-both left and right side of the street
	Ratan Sarkar Garden, Sikdar para land, Baidyanath Mullick Lane, Shiv Thakur Lane
	Rabindra Sarani (Chitpur Road) – Main spot for homeless
	Hari Ram Goenka Street
	Banstala Galli, the Road ends at Rabindra Sarani-Mahtma Gandhi Sarani crossing
	Muktaram Babu Street, Ganesh talkies-starts from Kalakar Street Right Side
Ward No.24	Nimtala Ghat Street- Both side of the street-ladies beauty parlour in front of Dental Clinic 8 to 10 families found
	Baishnab Ghat Street- left side
	Baishnab Seth Street



Ward No.25	Vivekanada Road-Both side (starts from accident spot)
	Right side of Rabindra Sarani
	Nandu Mallick Lane
	Rajendra Mallick Street (Singhi Bagan area)
	Singhi Bagan high school for girls up to Marble palace (Jorasanko Sheel Bhawan)
	Varanasi Ghosh Street
	Girish park front side
	Vivekanda Road
	Sudhir Chatterjee Street
	Tarak Pramanik Road Near Sukanta Club
	Simla bayam samity, Sharada Park, Bidhan Sarani, Sreemani Market
Ward No.26	Beadon Street both side (Minarva Theatre)
	Opposite Rabindra Kanan Park
	Opposite Chaitanya Liabrary
	Chhatu Babu Bazar both side few homeless family found
	Surya Dutta land in front of Sadhana Ausadhalaya
	Bethun College/School wall side few homeless families found
Ward No.27	Hedua Park area
	Scotis Church College Road
	Maniktala More
	Vivekanada Road-both sides
	APC Road- entire stretch
Ward No.28	Starts from Rajabazar more
	Raja Devendra Street- both side- Dudh kothi
	Rajnarayan street
	Khalpar both side and Canal West Road
	Harinath Dey Road and Rajendralal Road
	Ward Institute Street
Ward No.38	Amherst Street- entire stretch is place for homeless people
	Raja Ram Mohan Sarani both side (Ganapati Villa)-Thanthania drainage pumping station Hrishikesh Park- 6 Bengali homeless family found consists of 30-35 heads
	Near City college 7 Muslim homeless family found consists of 40-42 heads
	Opposite City College gate- 4 homeless family consists of 15-17 heads mixed of Bengali and Bihari
	Opposite to Crown dental clinic- Brahamadeo Das family – 5-6 heads
	Keshab Chandra Street- left side

Ward No.39	College Street Market opposite to Bata Crossing
	Sambhu Chatterjee Street (Nirman Tower) – both sides. MMB Street opposite Gali
	Kala Bagan
	In front of Bisudhananda Saraswati Vidyalaya- around 20 families found
	Mahatma Gandhi Metro Gate No. 3




GIS Based Survey of Urban Homeless Population in the Wards under the jurisdiction of Borough No. 4,5&6 (Zone-II)

CHAPTER 10

10. CASE STUDIES

10.1. City of Joy becomes a ray of hope to homeless family

Mithoo (name changed), has taken shelter in the lanes of College Street, beside the entrance of Calcutta Medical College. In her early childhood, she came to Kolkata and has been living on pavements since then. She got married to a homeless man. By profession, Mithoo is a beggar, whereas her husband is a rag picker. A few months back a philanthropist was kind enough to get Mithoo's son admitted to a missionary school. Her son is now in class 1 in that school and lives in the school shelter itself. The only aspiration of the family is to provide the comfort of home to their son where he is protected from the scorching heat of summer sunlight when he returns home from school.



10.2. Demonstration Effect among Homeless

A huge concentration of homeless people has been found near the Sovabazar crossing, where four to five families have made the footpath their temporary abode. They live together like a joint family and have arranged their sleeping places accordingly. A striking feature for one of these families was that they had made sure their 6-month daughter was wearing a diaper. This indicates the demonstration effect that has trickled down to this section of society. These homeless people are not only aware, but they are trying their best to provide hygiene facilities for their new-borns. Such awareness among the homeless people is noteworthy and in turn influences them to earn more.



[Handwritten signature]



i-WIN Advisory Services Limited
Formerly ICED-West Bengal Infrastructure
Development Corporation Limited

GIS Based Survey of Urban Homeless Population in the Wards under the jurisdiction of
Borough No. 4,5&6 (Zone-II)

8.5



10.3. Homeless but not helpless

Several homeless, young boys have been found near the New Market area. These are mostly school-going boys who had come from neighbour states or districts to Kolkata in search of jobs. They have eventually started working in small local restaurants in the Dharmatalla area. During winters they are allowed to sleep inside the hotel, while they prefer to sleep outside the restaurants during the summer.



10.4. For the love of family..

In Moulali, among the various homeless families that were surveyed, one family was particularly striking. The respondent was a 36-year old woman who stayed awake while her entire family slept on the pavement. She was taking extra care to ensure her family slept peacefully while she fanned a burning egg-carton to repel mosquitoes away from them. Homeless or otherwise, a mother's role is as important as it is in a home.



10.5. Where prevention is better than cure

The pavement-dwellers of Babughat in North Kolkata have been found to be using mosquito nets in spite of sleeping in make-shift shelters. This is an example of a good practice that has been adopted. These homeless people are not only aware about the rising threats of dengue and malaria, they have also taken the necessary precautions to ward off such diseases.



BOROUGH X

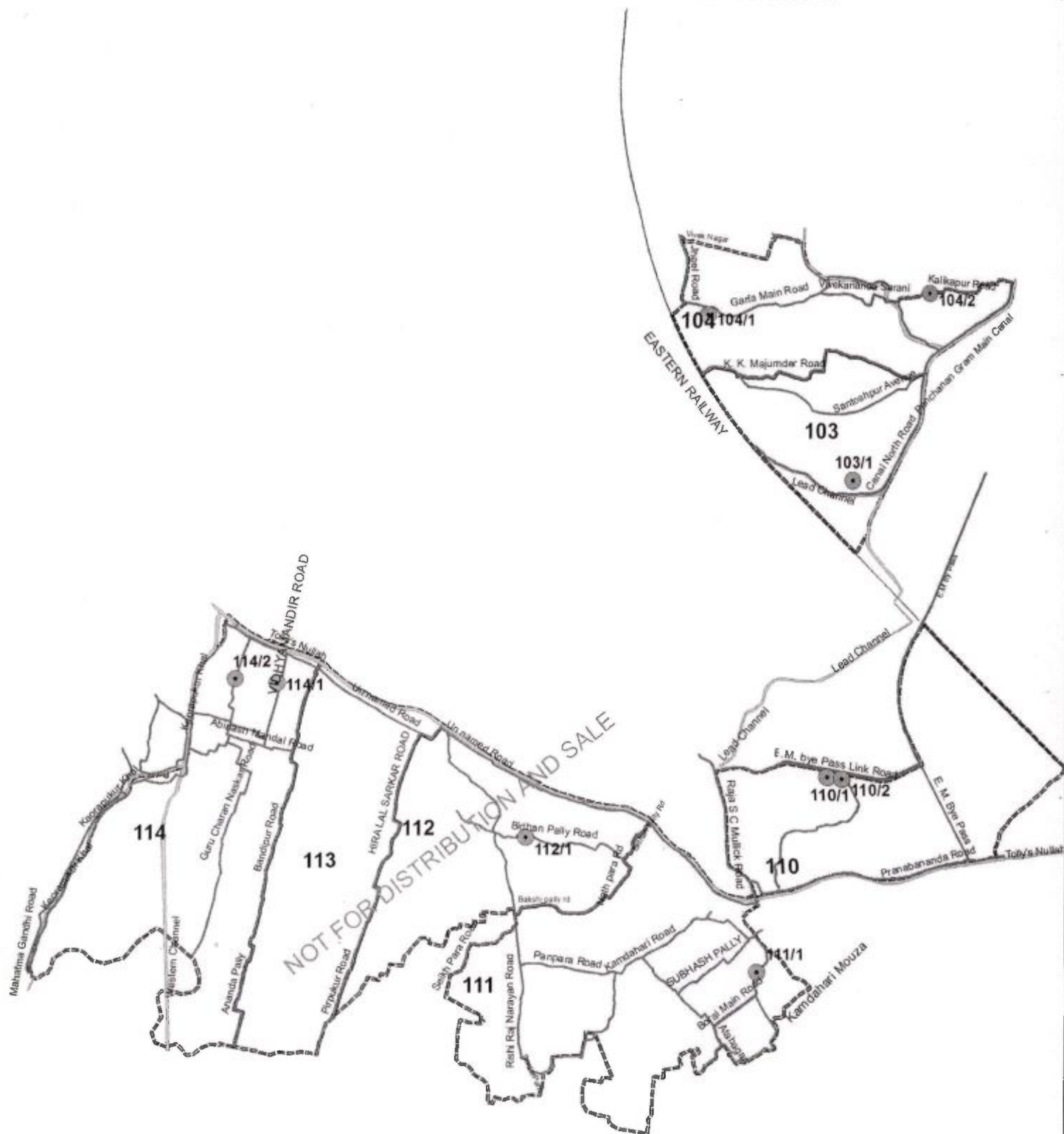
**MAP SHOWING URBAN HOMELESS POPULATION UNDER
JURISDICTION OF BOROUGH -X, KMC
AFTER CONDUCTING GIS BASED SURVEY**



Legend

- ROAD
- WARD BOUNDARY
- RAIL TRACK
- CANAL
- RIVER
- HOMELESS POPULATION (B.R.O'S)

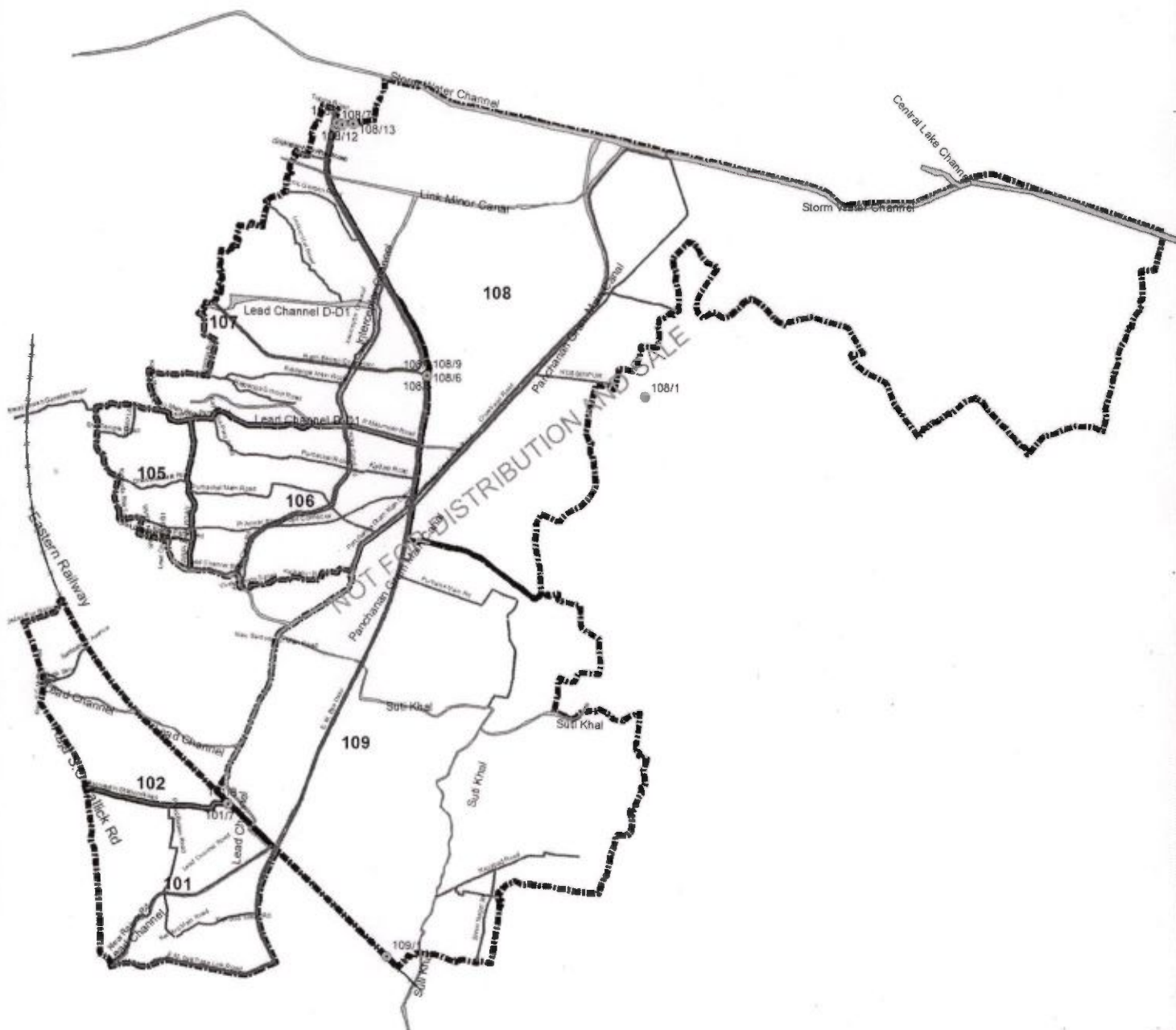
MAP SHOWING URBAN HOMELESS POPULATION UNDER JURISDICTION OF BOROUGH-XI, KMC BOROUGH XI AFTER CONDUCTING GIS BASED SURVEY



Legend

- ROAD
- WARD BOUNDARY
- RAIL TRACK
- CANAL
- RIVER
- HOMELESS POPULATION (B.H.S)

MAP SHOWING URBAN HOMELESS POPULATION UNDER JURISDICTION OF BOROUGH -XII, KMC BOROUGH XII AFTER CONDUCTING GIS BASED SURVEY

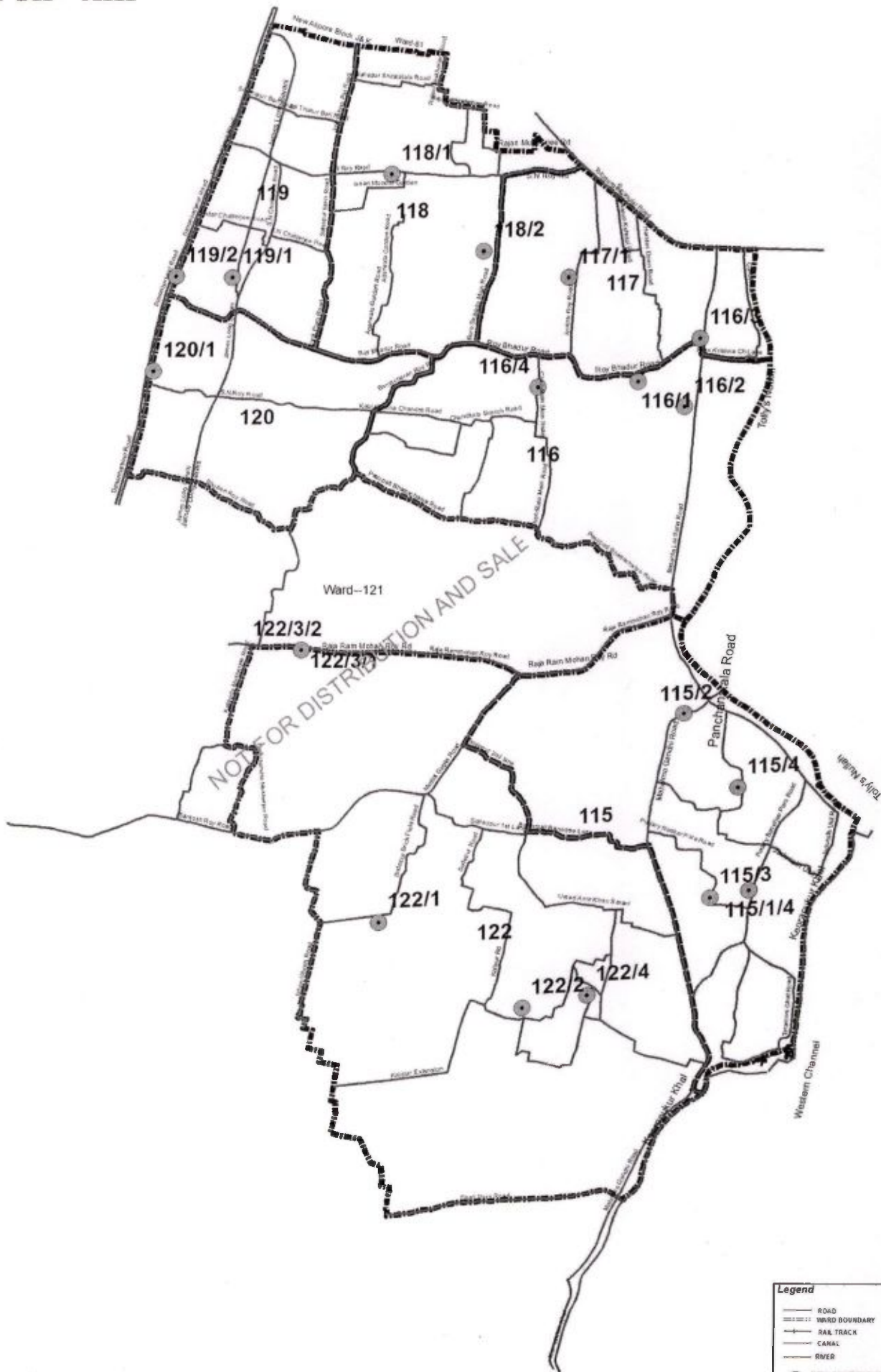


Legend	
	ROAD
	WARD BOUNDARY
	RAIL TRACK
	CANAL
	RIVER
	HOMELESS POPULATION (23 NOS)

Disclaimer : Graphical Representation of the Map,can not be used for legal purpose

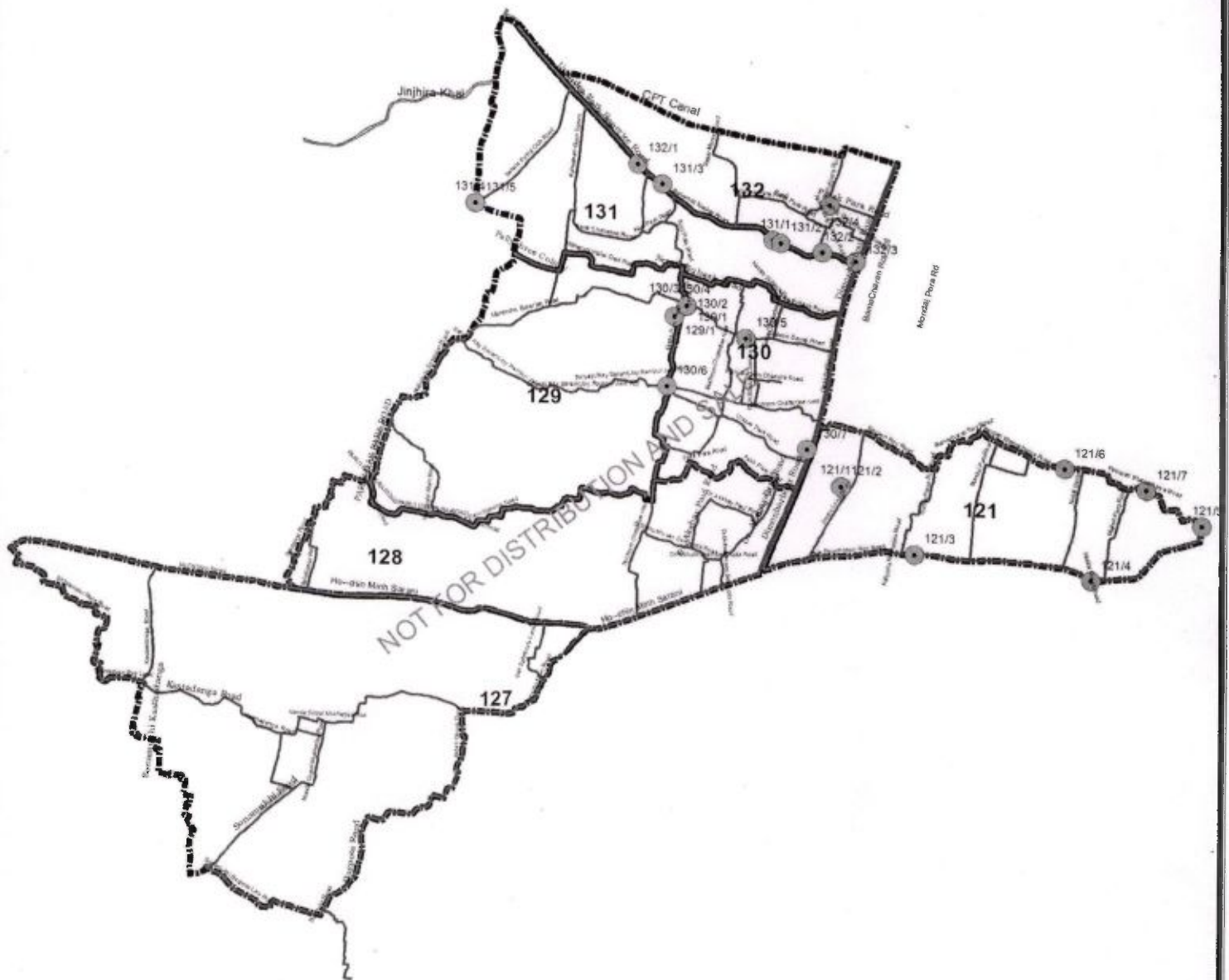
**MAP SHOWING URBAN HOMELESS POPULATION UNDER
JURISDICTION OF BOROUGH -XIII, KMC
AFTER CONDUCTING GIS BASED SURVEY**

BOROUGH XIII



Disclaimer : Graphical Representation of the Map,can not be used for legal purpose

BOROUGH XIV **MAP SHOWING URBAN HOMELESS POPULATION UNDER JURISDICTION OF BOROUGH -XIV, KMC AFTER CONDUCTING GIS BASED SURVEY**

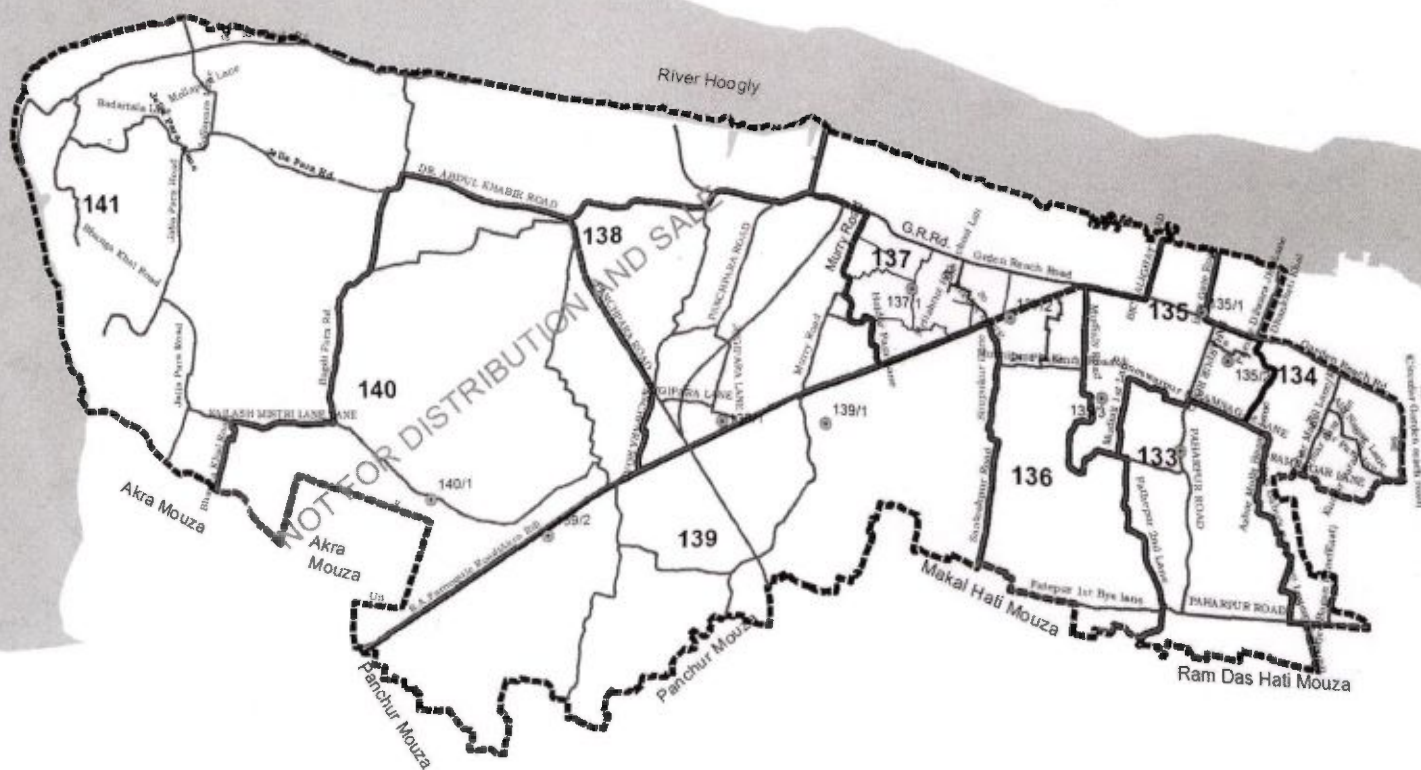


Legend

- ROAD
- WARD BOUNDARY
- RAIL TRACK
- CANAL
- RIVER
- HOMELESS POPULATION (24 NOS)

**MAP SHOWING URBAN HOMELESS POPULATION UNDER
JURISDICTION OF BOROUGH -XV, KMC
AFTER CONDUCTING GIS BASED SURVEY**

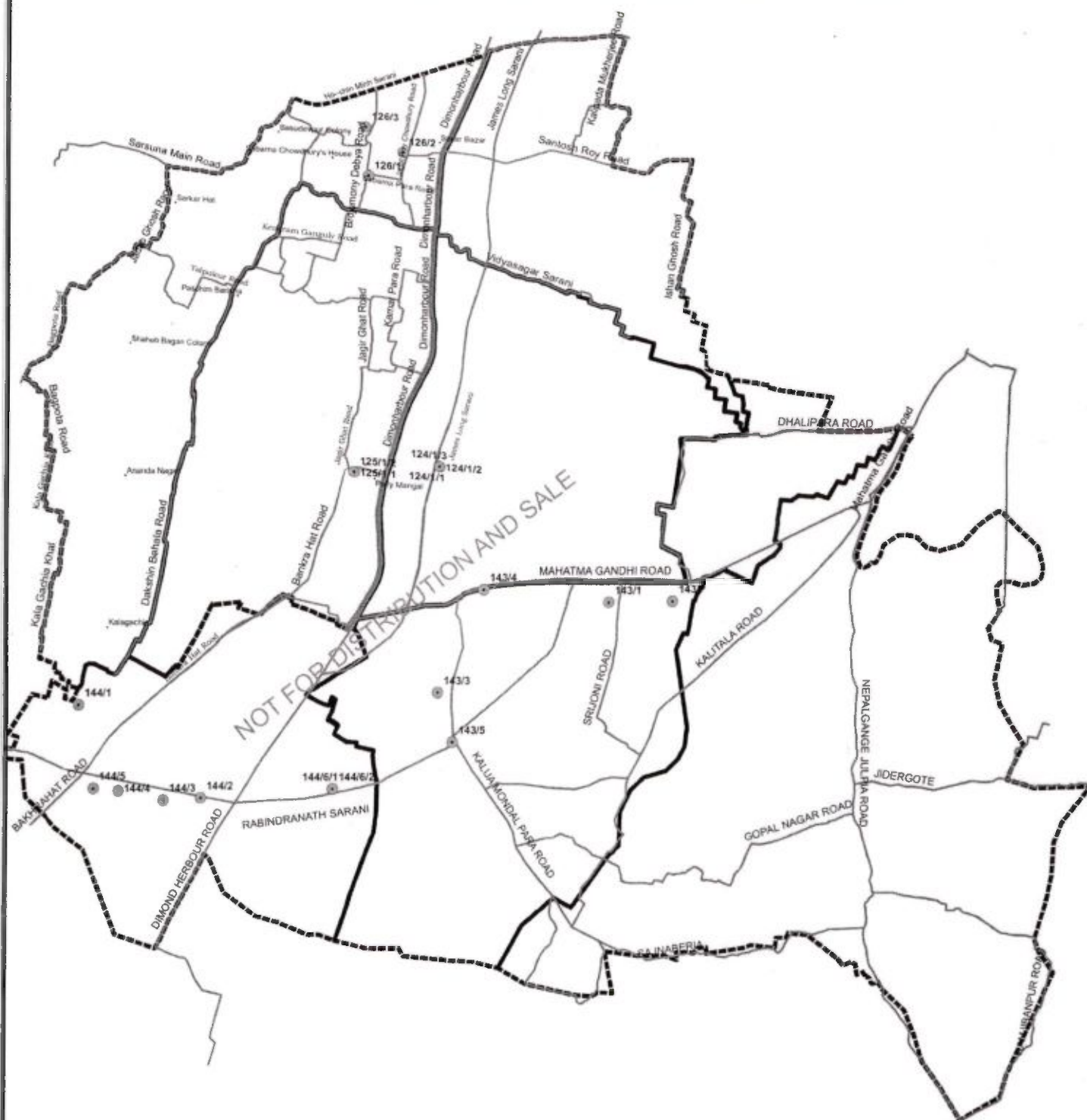
BOROUGH XV



Legend	
	ROAD
	WARD BOUNDARY
	RAIL TRACK
	CANAL
	RIVER
	HOMELESS POPULATION (19 NOV)

BOROUGH XVI

MAP SHOWING URBAN HOMELESS POPULATION UNDER JURISDICTION OF BOROUGH -XVI, KMC AFTER CONDUCTING GIS BASED SURVEY



Legend	
	ROAD
	WARD BOUNDARY
	RAS. TRACK
	CANAL
	RIVER
	HOMELESS POPULATION (29 NOs)

Disclaimer : Graphical Representation of the Map,can not be used for legal purpose

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STATE URBAN DEVELOPMENT AGENCY
National Urban Livelihood Mission (NULM)

Group Summary
1-Apr-2018 to 4-Feb-2019

Page 1

Particulars	Opening Balance	Transactions		Closing Balance
		Debit	Credit	
Capacity Building and Training (CB & T) Under NULM	3,34,82,303.95 Dr	21,68,79,085.50	34,77,59,488.45	9,73,98,099.00 Cr
Remuneration of CMMs Under CB & T - NULM		5,00,95,699.00	8,32,50,000.00	3,31,54,301.00 Cr
Remuneration of C.O. Under CB & T-NULM	73,06,658.00 Cr	3,09,79,858.00	3,77,70,000.00	1,40,96,800.00 Cr
Remuneration of Support Staff Under CB & T-NULM	1,00,92,230.00 Cr	2,16,31,095.00	1,90,44,000.00	75,05,135.00 Cr
Remuneration of T.P.O. Under CB & T-NULM	4,66,90,442.00 Cr	5,22,70,442.00	83,25,000.00	27,45,000.00 Cr
Tech. Sup. at Nat, ST & CT Levels Under CB&T-NULM	3,54,96,899.50 Cr	4,57,41,141.50	45,01,955.00	57,42,287.00 Dr
Training & Other CBP for MMUs Under CB&T-NULM	13,30,68,533.45 Dr	1,61,60,850.00	19,48,68,533.45	4,56,39,150.00 Cr
Emp. by Skill Trg. & Placement (EST&P) Under NULM	22,68,01,016.92 Dr	7,00,00,000.00	41,10,20,546.92	11,42,19,530.00 Cr
Assessment & Certification of Training (EST&P-NULM)	1,65,83,480.00 Dr	3,50,00,000.00	9,43,04,480.00	4,27,21,000.00 Cr
Emp. by Skill Trg. & Placement Under EST&P-NULM	21,02,17,536.92 Dr	3,50,00,000.00	31,67,16,066.92	7,14,98,530.00 Cr
Self-Employment Programme (SEP) Under NULM	17,82,86,139.00 Cr	21,62,82,262.00	4,89,01,000.00	1,09,04,877.00 Cr
Credit Card for Enterprise Dev. Under SEP-NULM	4,36,95,014.00 Cr	4,36,95,014.00		
Self-Emp. Ind. & Grp. Enterprises Under SEP-NULM	5,18,31,655.00 Cr	6,58,31,655.00	1,48,51,000.00	8,51,000.00 Cr
SHG-Bank Linkage Under SEP-NULM	3,90,64,455.00 Cr	6,30,60,578.00	3,40,00,000.00	1,00,03,877.00 Cr
Technology, Mktg. & Other Support Under SEP-NULM	4,36,95,015.00 Cr	4,36,95,015.00	50,000.00	50,000.00 Cr
Shelter for Urban Homeless (SUH)	11,21,27,469.00 Dr	9,68,52,568.00	26,29,20,192.00	5,39,40,155.00 Cr
Construction of Shelters for Urban Homeless - NULM	11,21,27,469.00 Dr	9,42,76,768.00	25,52,74,469.00	4,88,70,232.00 Cr
Operation & Maintenance of SUH-NULM		25,75,800.00	76,45,723.00	50,69,923.00 Cr
Social Mobilisation & Inst. Dev. (SM&ID) Under NULM	23,69,79,301.00 Cr	56,22,76,089.00	47,38,10,279.13	14,85,13,491.13 Cr
Bldg. Comm. Inst.:SGHs & Fed. Under SM&ID-NULM	7,96,64,765.00 Cr	8,52,49,765.00	1,25,93,009.13	70,08,009.13 Cr
City Livelihood Centres (CLCs) Under SM&ID-NULM	10,64,92,988.00 Cr	11,70,82,730.00	1,36,00,000.00	30,10,258.00 Cr
Fund Support to RO Under SM&ID-NULM	2,35,35,000.00 Dr	2,22,37,500.00	5,43,39,740.00	85,67,240.00 Cr
Printing of Books of A/Cs for ALF, SHG & CLF-SM & ID	55,50,575.00 Dr	1,05,52,016.00	2,35,50,575.00	74,47,984.00 Cr
Rev. Fund Support to ALF Under SM&ID-NULM	15,50,000.00 Dr	1,84,00,000.00	2,81,00,000.00	81,50,000.00 Cr
Rev. Fund Support to SHGs & Fed. Under SM&ID-NULM	5,52,26,955.00 Dr		5,52,26,955.00	
Rev. Fund Support to SHGs Under SM&ID-NULM	7,85,70,000.00 Dr	8,11,60,000.00	18,85,70,000.00	2,88,40,000.00 Cr
Trg. & Other CBP for SHGs & Fed. Under SM&ID-NULM	11,13,74,255.00 Cr	12,08,54,255.00	9,00,00,000.00	8,05,20,000.00 Cr
Universal Financial Inclusion Under SM&ID-NULM	10,38,79,823.00 Cr	10,67,39,823.00	78,30,000.00	49,70,000.00 Cr
A & OE Support to ULBs Under NULM	62,15,000.00 Dr		92,15,000.00	30,00,000.00 Cr
Information, Education & Commn (IEC) Under NULM	8,67,205.00 Cr	54,63,205.00	2,56,95,000.00	2,10,99,000.00 Cr
Interest on NULM	3,55,90,143.50 Cr	2,26,03,890.87	2,58,85,834.87	3,88,72,087.50 Cr
Interest on SBI-SUH(NULM)			3,40,888.00	3,40,888.00 Cr
Skill Dev. for Sustainable Inc. Under I & SP-NULM	4,56,250.00 Cr	4,56,250.00		
Support to Urban Street Vendors (SUSV) Under NULM	2,50,00,000.00 Dr		3,50,00,000.00	1,00,00,000.00 Cr
Grand Total	4,85,53,248.63 Cr	1,19,08,13,350.37	1,64,05,48,229.37	49,82,88,127.63 Cr

 05-2-19

BOROUGH X

MAP SHOWING URBAN HOMELESS POPULATION UNDER
JURISDICTION OF BOROUGH -X, KMC
AFTER CONDUCTING GIS BASED SURVEY



Tapas Chowdhury, IAS
Special Municipal Commissioner



Kolkata Municipal Corporation
5, S. N. Banerjee Road, Kolkata - 13
Phone (Office) : 2286-1271
EPABX: 2286-1000(Extn.2603) I.C. 271

Memo No. 384/SW&UPA/2018-19

Dated: 15-01-2019

To
The Director,
State Urban Development Agency (SUDA)
ILGUS Bhawan, H-C Block,
Sector-III, Bidhannagar,
Kolkata - 700 106

Sub: Release of fund for payment to the agencies who conducted GIS Based Third Party Systematic Survey for identification of homeless persons in the jurisdiction of Kolkata Municipal Corporation - request for.

Ref: this office letter under memo no 243/NULM/SW&UPA/2018-19 dated 12.09.2018.

You may please recall the letter as referred to above on 12.09.2018 with a request to release fund for making payment to the agencies that conducted GIS Based Third Party Systematic Survey for identification of homeless persons in the jurisdiction of Kolkata Municipal Corporation.

Contextually, it is worth mentioning that the procedure of making payment had started from the fund lying with SMI&D due to non availability of the fund earmarked for the said purpose.

You are, therefore, requested to hasten the release of fund facilitating this department to make payment to the agencies and replenish the amount so taken from the other heads of the funds i.e. SMI&D.

Special Municipal Commissioner

Memo No. 384/2/SW&UPA/2018-19

Dated:

Copy forwarded for information to:

- 1) P.A to Municipal Commissioner
- 2) Chief Manager, SW&UPA (HQ)

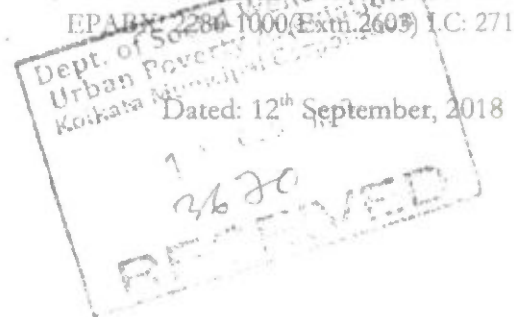
Special Municipal Commissioner
Special Municipal Commissioner (G&D)
The Kolkata Municipal Corporation

Arindam Chakraborty, IAS
Municipal Commissioner



Kolkata Municipal Corporation
5, S. N. Banerjee Road, Kolkata - 13
Phone (Office) : 2286-1271

EPABX: 2286-1000 (Extn. 2603) I.C: 271



Memo No. 243/NUCM/SW&UPA/2018-19

To
The Director,
State Urban Development Agency (SUDA)
ILGUS Bhawan, H-C Block,
Sector-III, Bidhannagar,
Kolkata - 700 106

Sub: Release of fund for payment to the agencies who conducted GIS Based Third Party Systematic Survey for identification of homeless persons in the jurisdiction of Kolkata Municipal Corporation – request for.

This is to convey for your information that GIS Based Third Party Systematic Survey for identification of homeless persons in the jurisdiction of Kolkata Municipal Corporation has been completed by the selected agencies viz. Karmick Solutions for Zone – I, III, IV & V and I- Win Advisory Services Ltd. for Zone – II. The report has already been submitted to SUDA.

The particulars of the expenditure so incurred are specified categorically in the table below :-

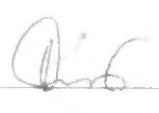
Sl No.	KMC Zone	Name of the Agency	Expenses Incurred	G.S.T	Total Amount
1.	Zone – I	Karmick Solutions	3,51,000/-	18%	4,14,180/-
2.	Zone – II	I- Win Advisory Services Ltd.	3,90,000/-	18%	4,60,200/-
3.	Zone – III	Karmick Solutions	3,45,000/-	18%	4,07,100/-
4.	Zone – IV	Karmick Solutions	2,20,000/-	18%	2,59,600/-
5.	Zone – V	Karmick Solutions	3,00,000/-	18%	3,54,000/-
Grant Total					18,95,080/-

You are, therefore, requested to release the fund amounting to Rs. 18,95,080/- facilitating KMC to make payment to above named agencies for the aforesaid purpose.

Memo No. 243/NUCM/SW&UPA/2018-19

Copy forwarded for information to:

- 1) P.A to Municipal Commissioner
- 2) Chief Manager, SW&UPA (HQ)


Special Municipal Commissioner
The Kolkata Municipal Corporation
Dated: 12th September, 2018


Special Municipal Commissioner
The Kolkata Municipal Corporation





রাজ্য নগর উন্নয়ন সংস্থা

SUDA

STATE URBAN DEVELOPMENT AGENCY

“ইলগাস ভবন”, এইচ-সি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা-৭০০ ১০৬, পশ্চিমবঙ্গ
“ILGUS BHAVAN”, H-C Block, Sector - III, Bidhannagar, Kolkata - 700 106, West Bengal

ক্রমিক নং SUDA- 285/2017/ 1279

তারিখ 02.11.2018

**From: Director, SUDA
& Mission Director, WBSULM**

**To: Mission Director,
National Health Mission
Government of West Bengal
Department of Health & Family Welfare
Swasthya Bhwan, GN- 29, Sector- 5, Salt Lake City,
Kolkata- 700091**

Sub: Request for soft copy of GIS base map of all ULBs of the State

Sir,

In connection with holding a detailed survey on urban homeless in all ULBs of the State under the project of Shelter for Urban Homeless under National Urban Livelihoods Mission (NULM), this office is in urgent need of GIS base map for all ULBs of the State.

It is learnt that these maps are presently available at your end.

May I request you to kindly provide soft copies of GIS base map of ULBs, as available with you, to enable this office to conduct and complete the said survey appropriately.

Yours faithfully,


**Director, SUDA
& Mission Director, WBSULM**

Memo No. SUDA-285/2017/ 1279/1

Date: 02.11.2018

Copy forwarded to

1. Sr. P.A. to Principal Secretary, UD & MA Dept., Govt. of West Bengal


**Director, SUDA
& Mission Director, WBSULM**

দূরভাষ : ২৩৫৮ ৬৪০৩ / ৫৭৬৭, ফ্যাক্স : ২৩৫৮ ৫৮০০

Tel : 2358 6403/5767, Fax : 2358 5800, E-mail : wbsudadir@gmail.com

Account Section : 2358 6408

রাজ্য নগর উন্নয়ন সংস্থা

STATE URBAN DEVELOPMENT AGENCY

“ইলগাস ভবন”, এইচ-সি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা-৭০০ ১০৬, পশ্চিমবঙ্গ
 “ILGUS BHAVAN”, H-C Block, Sector - III, Bidhannagar, Kolkata - 700 106, West Bengal

ক্রমিক নং SUDA- 285/2017/

তারিখ 02.11.2018

**From: Director, SUDA
 & Mission Director, WBSULM**

**To: Mission Director,
 National Health Mission
 Government of West Bengal
 Department of Health & Family Welfare
 Swasthya Bhwan, GN- 29, Sector- 5, Salt Lake City,
 Kolkata- 700091**

Sub: Request for soft copy of GIS base map of all ULBs of the State

Sir,

In connection with holding a detailed survey on urban homeless in all ULBs of the State under Shelter for Urban Homeless under National Urban Livelihoods Mission (NULM), this office is in urgent need of GIS base map for all ULBs of the State.

It is learnt that these maps are presently available at your end.

May I request you to kindly provide soft copies of GIS base map of ULBs, as available with you, to enable this office to conduct and complete the said survey appropriately.

Yours faithfully,

**Director, SUDA
 & Mission Director, WBSULM**

Memo No. SUDA-285/2017/

Date: 02.11.2018

Copy forwarded to

1. Sr. P.A. to Principal Secretary, UD & MA Dept., Govt. of West Bengal

**Director, SUDA
 & Mission Director, WBSULM**

দূরভাষ : ২৩৫৮ ৬৪০৩ / ৫৭৬৭, ফ্যাক্স : ২৩৫৮ ৫৮০০

Tel : 2358 6403/5767, Fax : 2358 5800, E-mail : wbsudadir@gmail.com

Account Section : 2358 6408

SUDA- 285/2017/

23.08.2017

From: Director, SUDA
& Mission Director, WBSULM

To: ~~Additional~~ Mission Director
National Health Mission,

Sub: Request to send Soft copy of 87 ULBs GIS Maps

Sir,

You are requested to provide the soft copies of GIS Maps of 87 Urban Local Bodies to this office. This is required for convergence of SUHs under NULM with NHM.

In connection with holding a detailed survey on urban homeless in all ULBs of the State under SUH, a component under NULM, this office is in urgent need of GIS ~~base~~ base map for all ULBs of the State.

Yours faithfully,

Director, SUDA
& Mission Director, WBSULM

It is learnt that ^{presently} these maps are available at your end.

May I request you to kindly provide ~~copies~~ soft-copies of GIS base map of ULBs, as available with you, to enable this office to conduct ~~the~~ and complete the said survey appropriately.

Your cooperation is

PLAN OF ACTION OF THE STATE OF WEST BENGAL FOR THE URBAN HOMELESS INCLUDING THE METHODOLOGY FOR IDENTIFICATION OF HOMELESS PERSONS, NATURE OF SHELTERS, IDENTIFICATION OF LAND, ETC. AS PER ORDER OF HON'BLE SUPREME COURT DATED: 07.09.2108

A copy of aforesaid Road Map or Plan of Action of SUH is annexed herewith as **Annexure –I**

- i) The state has already completed the GIS based third party survey for identification of Urban Homeless within the 125 Urban Local Bodies within the state. Report of the third party survey will be sent to the Ministry of Housing & Urban Affairs by 1 st October, 2018-19.

Methods for identification of homeless persons:

Methodology adopted for GIS Based third party field survey for identification of Urban Homeless

As per direction of Hon'ble Supreme Court dated: 11.11.2016 in the matter of W.P.(C) 55 of 2003 and as per order vide no. M-13/23/2017-UPA-I SECTION-MUHFA (EFS-9026963) dated: 15.11.2017 of Ministry of Housing & Urban Affairs, the state of West Bengal selected a third party agency through RFP to conduct the GIS Based Survey in all 125 ULBs within the state. This survey was conducted following approach & methodology as per operational guidelines of Shelter for Urban Homeless (SUH):

Step – 1: Primary steps for Field Survey

a) Clustering of ULBs:

- All the Urban Local Bodies (125) in West Bengal were clustered into different groups.
- Each cluster of Urban Local Bodies was taken up sequentially for survey.

b) Training of Manpower:

- Prior to the survey, the team of enumerators was trained and oriented on:
 1. Purpose of the survey;
 2. The profiles and problems of the homeless;
 3. Participatory research methods;
 4. Data entry of the data collected through questionnaire;
 5. Expected outcomes;
 6. Ethical responsibilities;

- Orientation material was provided a couple of days prior to starting the survey before the training sessions. Enumerators were briefed about the aims and objectives of the survey, the art of questioning, picking out respondents, and so on. The training included the surveyors, data entry operators and the analysis team.
- Orientation was provided also for demographic profile of the concerned ULB area and its ward boundary, important area like bus stand, railway station, place of worship, market complex, main street etc. to each survey team.

রাজ্য নগর উন্নয়ন সংস্থা

STATE URBAN DEVELOPMENT AGENCY

“ইলগাস ভবন”, এইচ-সি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা-৭০০ ১০৬, পশ্চিমবঙ্গ
 “ILGUS BHAVAN”, H-C Block, Sector - III, Bidhannagar, Kolkata - 700 106, West Bengal

ক্রমিক নং SUDA- 285/2017/

তারিখ 02.11.2018

**From: Director, SUDA
 & Mission Director, WBSULM**

**To: Mission Director,
 National Health Mission
 Government of West Bengal
 Department of Health & Family Welfare
 Swasthya Bhwan, GN- 29, Sector- 5, Salt Lake City,
 Kolkata- 700091**

Sub: Request for soft copy of GIS base map of all ULBs of the State

Sir,

In connection with holding a detailed survey on urban homeless in all ULBs of the state under Shelter for Urban Homeless under National Urban Livelihoods Mission (NULM), this office is in urgent need of GIS base map for all ULBs of the state.

It is learnt that these maps are presently available at your end.

May I request you to kindly provide soft copies of GIS base map of ULBs, as available with you, to enable this office to conduct and complete the said survey appropriately.

Yours faithfully,

**Director, SUDA
 & Mission Director, WBSULM**

Memo No. SUDA-285/2017/

Date: 02.11.2018

Copy forwarded to

1. Sr. P.A. to Principal Secretary, UD & MA Dept., Govt. of West Bengal

**Director, SUDA
 & Mission Director, WBSULM**

দূরভাষ : ২৩৫৮ ৬৪০৩ / ৫৭৬৭, ফ্যাক্স : ২৩৫৮ ৫৮০০

Tel : 2358 6403/5767, Fax : 2358 5800, E-mail : wbsudadir@gmail.com

Account Section : 2358 6408



Director SULM <wbsulm@gmail.com>

Request for presentation of the GIS Based Survey for identification of urban homeless in KMC1 message

Director SULM <wbsulm@gmail.com>

Fri, Oct 26, 2018 at 12:16 PM

To: Kolkata MC <jmc_dev@kmc.gov.in>, sulm.kolkata@gmail.com

Cc: KMC Kali Babu <kc_banerjee@kmcgov.in>

Sir,

I am directed to request you to prepare a presentation of the GIS Based Survey for identification of urban homeless including resource mapping (GIS Maps) in KMC and to arrange for display it before the Principal Secretary, UD & MA Dept, Govt. of West Bengal. Necessary date, time & venue will be communicated to your end after preparation of the aforesaid content.

Regards,

Director, SUDA



Memo No. 243/NUZM/SW&UPA/2018-19

Dated: 12th September, 2018

To
The Director,
State Urban Development Agency (SUDA)
ILGUS Bhawan, H-C Block,
Sector-III, Bidhannagar,
Kolkata – 700 106



DD
13/9/18
Soumen De

Sub: Release of fund for payment to the agencies who conducted GIS Based Third Party Systematic Survey for identification of homeless persons in the jurisdiction of Kolkata Municipal Corporation – request for.

This is to convey for your information that GIS Based Third Party Systematic Survey for identification of homeless persons in the jurisdiction of Kolkata Municipal Corporation has been completed by the selected agencies viz. Karmick Solutions for Zone – I, III, IV & V and I- Win Advisory Services Ltd. for Zone – II. The report has already been submitted to SUDA.

The particulars of the expenditure so incurred are specified categorically in the table below :-

Sl No.	KMC Zone	Name of the Agency	Expenses Incurred	G.S.T	Total Amount
1.	Zone – I	Karmick Solutions	3,51,000/-	18%	4,14,180/-
2.	Zone – II	I- Win Advisory Services Ltd.	3,90,000/-	18%	4,60,200/-
3.	Zone – III	Karmick Solutions	3,45,000/-	18%	4,07,100/-
4.	Zone – IV	Karmick Solutions	2,20,000/-	18%	2,59,600/-
5.	Zone – V	Karmick Solutions	3,00,000/-	18%	3,54,000/-
Grant Total					18,95,080/-

You are, therefore, requested to release the fund amounting to Rs. 18,95,080/- facilitating KMC to make payment to above named agencies for the aforesaid purpose.

Memo No. 243/NUZM/SW&UPA/2018-19

Copy forwarded for information to:

- 1) P.A to Municipal Commissioner
- 2) Chief Manager, SW&UPA (HQ)

Special Municipal Commissioner
The Kolkata Municipal Corporation

Dated: 12th September, 2018

Special Municipal Commissioner
Special Municipal Commissioner (G&D)
The Kolkata Municipal Corporation



Bhaskar Bhattacharya
Chief Manager (SW&UPA)/Z-I

Kolkata Municipal Corporation
Social Welfare & Urban Poverty Alleviation Deptt
5, S.N. Banerjee Road,
Kolkata - 700 013.
EPABX: 2286-1000(Extn 2502)

No. CM/ UHP_Survey/WO/Zn-I/1/2017-18

Dated 05.03.2018

Sub: Work Order for engagement of your concern for conducting GIS based survey of Urban Homeless Population within the jurisdiction of Zone-I (Br-I, II & III), KMC

Ref: Tender No: KMC/ZCM (SWUPA)/Zn-I/1/17-18/R;
Tender ID: 2018_KMC_156500_1

To
The Director,
Karmick Solutions Pvt Limited
116A, Purbalok, Mukundapur,
Kolkata-700099.

Sir,

With reference to the aforesaid tender no. along with tender ID, it is being conveyed that Kolkata Municipal Corporation (KMC) authority has been pleased to accept your tendered offer [Consolidated rate of Rs.3,51,000/- plus applicable GST (if applicable)] and accordingly work order is being issued in your favour for taking up the assignment as soon as receiving of this instant order and you are requested for completion of the assignment positively by 24.03.18. following terms and conditions as laid in the RfP. You are also requested to submit a letter of acceptance (LOA) immediately upon receipt of the work order.

Yours sincerely,


Ch. Manager (SW&UPA)/Z-I

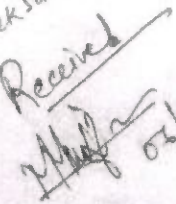
Chief Manager / Revenue (S)
The Kolkata Municipal Corporation

Copy for kind information to:

- OSD to Hon'ble Mayor; for information of Hon'ble Mayor
- PA to Hon'ble MMIC (NULM); for information of Hon'ble MMIC (NULM)
- PA to Mpl. Commissioner; for information of Mpl. Commissioner
- PA to Jt. Mpl. Commissioner (G&D); for information of Jt. Mpl. Commissioner (G&D)

Copy for distribution:

- Ch. Manager (HQ)
- Manager(Br-I/II/III) / Manager (HQ)
- Dy. Manager (HQ)

For Karmick Solutions Pvt Ltd.
Received

05/03/2018



Sahelie Mukherjee
Chief Manager (SW&UPA)/Z-V

Kolkata Municipal Corporation
Social Welfare & Urban Poverty Alleviation Deptt
5, S.N. Banerjee Road,
Kolkata - 700 013.
EPABX: 2286-1000(Extn.2635)

No. CM/ UHP_Survey/WO/Zn-V/1/2017-18

Dated 05.03.2018

Sub: Work Order for engagement for conducting GIS based survey of Urban Homeless Population within the jurisdiction of Zone-V (Br-XIII, XIV, XV & XVI), KMC.

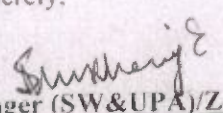
Ref: Tender No: KMC/ZCM (SWUPA)/Zn-V/17-18/R;
Tender ID: 2018_KM_156584_1

To
The Director,
Karmick Solutions Pvt Limited,
116A, Purbalok, Mukundapur,
Kolkata-700099.

Sir,

With reference to the aforesaid tender no. along with tender ID, it is being conveyed that Kolkata Municipal Corporation (KMC) authority has been pleased to accept your tendered offer [Consolidated rate of Rs.3,00,000/- plus applicable GST (if applicable)] and accordingly work order is being issued in your favour for taking up the assignment as soon as receiving of this instant order and you are requested for completion of the assignment positively by 24.03.18 in compliance with all terms and conditions as laid down in the RfP. You are requested to submit a letter of acceptance (LOA) immediately upon receipt of the work order.

Yours sincerely,


Ch. Manager (SW&UPA)/Z-V

Chief Manager / Revenue (R.A.)
The Kolkata Municipal Corporation

Copy for kind information to:

- v) OSD to Hon'ble Mayor; for information of Hon'ble Mayor
- vi) PA to Hon'ble MMIC (NULM); for information of Hon'ble MMIC (NULM)
- vii) PA to Mpl. Commissioner; for information of Mpl. Commissioner
- viii) PA to Jt. Mpl. Commissioner (G&D); for information of Jt. Mpl. Commissioner (G&D)

Copy for distribution:

- iv) Ch. Manager (HQ)
- v) Manager(Br-XIII/XIV/XV/XVI) / Manager (HQ)
- vi) Dy. Manager (HQ)

For Karmick Solutions Pvt Ltd.
Received
N. Mukherjee
05/03/2018



Bhaskar Bhattacharya
Chief Manager (SW&UPA)/Z-IV

Kolkata Municipal Corporation
Social Welfare & Urban Poverty Alleviation Deptt
5, S.N. Banerjee Road,
Kolkata - 700 013.
EPABX: 2286-1000(Extn.2502)

No. CM/ UHP_Survey/WO/Zn-IV/1/2017-18

Dated 05.03.2018

Sub: Work Order for engagement of your concern for conducting GIS based survey of Urban Homeless Population within the jurisdiction of Zone-IV (Br-X, XI & XII)

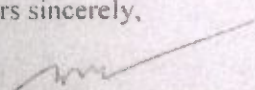
Ref: Tender No: KMC/ZCM (SWUPA)/Zn-IV/17-18/R;
Tender ID: 2018_KMC_156571_1

To
The Director,
Karmick Solutions Pvt Ltd
116A, Purbalok, Mukundapur,
Kolkata-700099.

Sir,

With reference to the aforesaid tender no. along with tender ID, it is being conveyed that Kolkata Municipal Corporation (KMC) authority has been pleased to accept your tendered offer [Consolidated rate of Rs.2,20,000/- plus applicable GST (if applicable)] and accordingly work order is being issued in your favour for taking up the assignment as soon as receiving of this instant order and you are requested for completion of the assignment positively by 24.03.18. following terms and conditions as laid in the RFP. You are also requested to submit a letter of acceptance (LOA) immediately upon receipt of the work order.

Yours sincerely,


Ch. Manager (SW&UPA)/Z-IV
Chief Manager / Revenue (S)
The Kolkata Municipal Corporation

For Karmick Solutions Pvt Ltd.
Received
Mukundapur
05/03/2018

Copy for kind information to:

- OSD to Hon'ble Mayor; for information of Hon'ble Mayor
- PA to Hon'ble MMIC (NULM); for information of Hon'ble MMIC (NULM)
- PA to Mpl. Commissioner; for information of Mpl. Commissioner
- PA to Jt. Mpl. Commissioner (G&D); for information of Jt. Mpl. Commissioner (G&D)

Copy for distribution:

- Ch. Manager (HQ)
- Manager(Br-X/XI/XII) / Manager (HQ)
- Dy. Manager (HQ)



Sahelie Mukherjee
Chief Manager (SW&UPA)/Z-II

Kolkata Municipal Corporation
Social Welfare & Urban Poverty Alleviation Deptt
5, S.N. Banerjee Road,
Kolkata - 700 013.
EPABX: 2286-1000(Extn.2635)

No. CM/ UHP_Survey/WO/Zn-II/1/2017-18

Dated 05.03.2018

Sub: Work Order for engagement for conducting GIS based survey of Urban Homeless Population within the jurisdiction of Zone-II (Br-IV, V & VI), KMC.

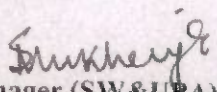
Ref: Tender No: KMC/ZCM (SWUPA)/Zn-II/1/17-18/R;
Tender ID: 2018_KMC_156540_1

To
The Director,
M/s. I-Win Advisory Services Limited,
Shilpangan, CFB, S-02, LB-1,
Sector-III, Salt Lake City,
Kolkata-700098.

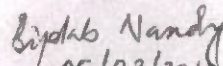
Sir,

With reference to the aforesaid tender no. along with tender ID, it is being conveyed that Kolkata Municipal Corporation (KMC) authority has been pleased to accept your tendered offer [Consolidated rate of Rs.3,90,000/- plus applicable GST (if applicable)] and accordingly work order is being issued in your favour for taking up the assignment as soon as receiving of this instant order and you are requested for completion of the assignment positively by 24.03.18 in compliance with all terms and conditions as laid down in the RfP. You are requested to submit a letter of acceptance (LOA) immediately upon receipt of the work order.

Yours sincerely,


Ch. Manager (SW&UPA)/Z-II
Chief Manager / Revenue (A.A.)
The Kolkata Municipal Corporation

for I-Win Advisory Services Ltd.


06/03/2018

Copy for kind information to:

- i) OSD to Hon'ble Mayor; for information of Hon'ble Mayor
- ii) PA to Hon'ble MMIC (NULM); for information of Hon'ble MMIC (NULM)
- iii) PA to Mpl. Commissioner; for information of Mpl. Commissioner
- iv) PA to Jt. Mpl. Commissioner (G&D); for information of Jt. Mpl. Commissioner (G&D)

Copy for distribution:

- i) Ch. Manager (HQ)
- ii) Manager(Br-IV/V/VI) / Manager (HQ)
- iii) Dy. Manager (HQ)



Bhaskar Bhattacharya
Chief Manager (SW&UPA)/Z-III

Kolkata Municipal Corporation
Social Welfare & Urban Poverty Alleviation Deptt
5, S.N. Banerjee Road,
Kolkata - 700 013.
EPABX: 2286-1000(Extn.2502)

No. CM/ UHP_Survey/WO/Zn-III/1/2017-18

Dated 05.03.2018

Sub: Work Order for engagement of your concern for conducting GIS based survey of Urban Homeless Population within the jurisdiction of Zone-III (Br-VII, VIII & IX), KMC.

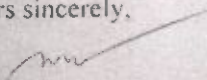
Ref: Tender No: KMC/ZCM (SWUPA)/Zn-III/17-18/R;
Tender ID: 2018_KMC_156559_1

To
The Director,
Karmick Solutions Pvt Ltd
116A, Purbalok, Mukundapur,
Kolkata-700099.

Sir,

With reference to the aforesaid tender no. along with tender ID, it is being conveyed that Kolkata Municipal Corporation (KMC) authority has been pleased to accept your tendered offer [Consolidated rate of Rs.3,45,000/- plus applicable GST (if applicable)] and accordingly work order is being issued in your favour for taking up the assignment as soon as receiving of this instant order and you are requested for completion of the assignment positively by 24.03.18. following terms and conditions as laid in the RfP. You are also requested to submit a letter of acceptance (LOA) immediately upon receipt of the work order.

Yours sincerely,


Ch. Manager (SW&UPA)/Z-III

Chief Manager (Social Welfare & Urban Poverty Alleviation)
The Kolkata Municipal Corporation

For Karmick Solutions Pvt Ltd.
Received
R. Mukherjee
06/03/2018

Copy for kind information to:

- OSD to Hon'ble Mayor; for information of Hon'ble Mayor
- PA to Hon'ble MMIC (NULM); for information of Hon'ble MMIC (NULM)
- PA to Mpl. Commissioner; for information of Mpl. Commissioner
- PA to Jt. Mpl. Commissioner (G&D); for information of Jt. Mpl. Commissioner (G&D)

Copy for distribution:

- Ch. Manager (HQ) / Ch. Manager (Br-VII & VIII)
- Manager(Br-VII/VIII/IX) / Manager (HQ)
- Dy. Manager (HQ)

Validate

Print

Help

m Rate BoQ

Rate with GST

Tender Inviting Authority: Zonal Chief Manager, Zone-I

Name of Work: Conducting GIS Based Survey of Urban Homeless Population in the Wards under the jurisdiction of Borough No.

Contract No: KMC/ZCM(SWUPA)Zone-I/1/17-18/R

Name of the Bidder/ Bidding Firm / Company : KARMICK SOLUTIONS PRIVATE LIMITED

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	NUMBER #	NUMBER	NUMBER #	NUMBER #
Sl. No.	Item Description	BASIC RATE in Figures To be entered by the Bidder Rs. P	GST (%)	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT With Taxes
1	Conducting GIS Based Survey of Urban Homeless Population in the Wards under the jurisdiction of Borough No. 1, 2 & 3 (Zone-I)	351000.00	18.00	351000.00	414180.00
Total in Figures				351000.00	414180.00

Validate Print Help **Rate BoQ**

Tender Inviting Authority: Zonal Chief Manager, Zone-II

Name of Work: Conducting GIS Based Survey of Urban Homeless Population in the Wards under the jurisdiction of Borough No.

Contract No: KMC/ZCM(SWUPA)Zn-II/1/17-18/R

Name of the Bidder/ Bidding Firm / Company : I-WIN ADVISORY SERVICES LIMITED

PRICE SCHEDULE
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	NUMBER #	NUMBER	NUMBER #	NUMBER #
Sl. No.	Item Description	BASIC RATE in Figures To be entered by the Bidder Rs. P	GST (%)	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT With Taxes
1	Conducting GIS Based Survey of Urban Homeless Population in the Wards under the jurisdiction of Borough No. 4,5 & 6 (Zone-II)	390000.00	18.00	390000.00	460200.00
Total in Figures				390000.00	460200.00

Rate with GST

Validate Print Help **m Rate BoQ**

Rate with GST

Tender Inviting Authority: Zonal Chief Manager, Zone-III

Name of Work: Conducting GIS Based Survey of Urban Homeless Population in the Wards under the jurisdiction of Borough No.

Contract No: KMC/ZCM(SWUPA)Zn-III/1/17-18/R

Name of the Bidder/ Bidding Firm / Company : **KARMICK SOLUTIONS PRIVATE LIMITED**

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	NUMBER #	NUMBER	NUMBER #	NUMBER #
Sl. No.	Item Description	BASIC RATE In Figures To be entered by the Bidder Rs. P	GST (%)	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT With Taxes
1	Conducting GIS Based Survey of Urban Homeless Population in the Wards under the jurisdiction of Borough No. 7,8 & 9 (Zone-III)	345000.00	18.00	345000.00	407100.00
Total in Figures				345000.00	407100.00

Validate Print Help **Rate BoQ**

Tender Inviting Authority: Zonal Chief Manager, Zone-IV

Name of Work: Conducting GIS Based Survey of Urban Homeless Population in the Wards under the jurisdiction of Borough No.

Contract No: KMC/ZCM(SWUPA)/Zn-IV/1/17-18/R

Name of the Bidder/ Bidding Firm / Company : KARMICK SOLUTIONS PRIVATE LIMITED

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	NUMBER #	NUMBER	NUMBER #	NUMBER #
Sl. No.	Item Description	BASIC RATE in Figures To be entered by the Bidder Rs. P	GST (%)	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT With Taxes
1	Conducting GIS Based Survey of Urban Homeless Population in the Wards under the jurisdiction of Borough No. 10, 11 & 12 (Zone-IV)	220000.00	18.00	220000.00	259600.00
Total in Figures				220000.00	259600.00

Validate

Print

Help

m Rate BoQ

Rate with GST

Tender Inviting Authority: Zonal Chief Manager, Zone-V

Name of Work: Conducting GIS Based Survey of Urban Homeless Population in the Wards under the jurisdiction of Borough No.

Contract No: KMC/ZCM(SWUPA)/Zn-V/1/17-18/R

Name of the
Bidder/ Bidding
Firm /
Company :

KARMICK SOLUTIONS PRIVATE LIMITED

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	NUMBER #	NUMBER	NUMBER #	NUMBER #
Sl. No.	Item Description	BASIC RATE In Figures To be entered by the Bidder Rs. P	GST (%)	TOTAL AMOUNT Without Taxes In Rs. P	TOTAL AMOUNT With Taxes
1	Conducting GIS Based Survey of Urban Homeless Population in the Wards under the jurisdiction of Borough No. 13,14,15 & 16 (Zone-V)	300000.00	18.00	300000.00	354000.00
Total in Figures				300000.00	354000.00

Memo No. 13/23/2017-UPA-I, dated: 15.11.2017 of Deputy Secretary to Govt. of India, Ministry of Housing & Urban poverty Alleviation Government of India

The above PUD placed in the C.P. side may be perused.

From the PUD, it appears Deputy Secretary mentioned in his letter about the report of the Committee constituted as per order dated 11.11.2016 of Hon'ble Supreme Court which has referred to the number of homeless person in various States/UTs as per census survey 2011 and availability of capacity of shelters. The Committee has directed the States visited by them to conduct a survey for obtaining the number of urban homeless in the State as a whole and city wise survey is to be conducted by a third party. It has been seen that the states have conducted their own survey which is not authentic as different figures have been given at different stages and even some States have gone to the extent of reducing the number of urban homeless to absolve themselves from constructing new shelters. So direction are sought that the States are directed to conduct an independent survey to be validated with SECC which is under public domain and the Committee is impressed by the factors to be taken into consideration for carrying out the survey which has been designed by the State of Telengana.

In this connection it is requested by the Deputy Secretary to conduct a third party systematic survey for identification of urban homeless at the ULB level on a urgent basis and the same may be completed by 31 st March, 2018 positively so that actual number of identification of urban homeless figures in the State could be validate.

It may be mentioned that as per census 2011 the number of homeless in the State is 104967 including Kolkata Municipal Corporation. It may be recalled that another night survey for the homeless was conducted by the Change Management Unit under UD & MA Dept. on 2014 and as per the survey the number of homeless is 6468 excluding Kolkata Municipal Corporation. It may be further mentioned that a Rapid Action Survey was conducted by the Kolkata Municipal Corporation on 2011 as per the order of Hon'ble Supreme Court and as per the survey the number of homeless in KMC area is 37468. It may be noted that an affidavit was sworn in the matter of W.P.(C) 55 of 2003 of Hon'ble Supreme Court and it is mentioned in the affidavit that the State Government feels the necessity of fresh survey and verification and is duly committed to provide shelters to all those found in need of shelters.

Now the above matter is submitted for your kind consideration and further action.

Addl
Director
SUDA

We may seek approval of
Secretary UD&MA Dept for summons
apoth by a third party by RPP.
as per 'x' above

S.P.
12/12/17

Shamir
12/12/2017

S.P.
19/1/18

672/17

O. No. SUDA:

20/12/17

255/2017

Director

Santanu Das
Jt. Secretary
UDMA Dept.

(2)

Kindly see note given by Director SUDA prepared on the basis of communication as received from MOHUA, GOI regarding third party systematic survey for identification of Urban homeless. This is to be completed by 31st March 2018 as mentioned in the aforesaid letter. Hence selection of a third party may be done RFP ^{means} survey. This ~~may~~ may be an useful ^{information} for ascertaining exact no. of urban homeless.

In
22/11/17

Secretary

We may direct SUDA to select Third Party Agency to survey "Urban Homeless" in compliance of order of SC. Total process of selection of agency and survey should be completed by March 2018.

22.12.2017

AMIC (M&U)

Urban Development Dept.
U/O No. 735
Dt. 26/12/17
Askish Saha
We will discuss
along with
Santanu Das

29/12/17

Sub: Draft RFP for selection of Agency for GIS based Third Party Systematic Survey for identification of Urban Homeless & Financial provision for survey (ULB Wise)

a) Following the pre page direction a draft RFP has been prepared for selection of Agency to conduct GIS based Third Party Survey for identification of urban homeless. (Copy enclosed in CA side)

The draft RFP has been prepared, if approved it may be published by 30.01.2018 (e Tender portal as well as newspaper). Calendar of Events in this RFP may be as follows:

Sl. No.	Particulars	Date and Time
a)	Date of uploading of N.I.Q. and Quotation Documents online) (Publishing Date)	30.01.2018 at 3:00 PM
b)	Documents download start date	30.01.2018 at 5:00 PM
c)	Date of Pre Bid Meeting with the intending Quotationers in the office of the Director, State Urban Development Agency, ILGUS Bhavan, H-C Block, Sector- III, Saltlake City, Kolkata-700106.	07.02.2018 at 11:30 AM
d)	Quotation submission start date (On line)	31.01.2018 at 10:00 AM
e)	Quotation Submission closing (On line)	21.02.2018 at 5:00 PM
f)	Quotation Opening (On line)	24.02.2018 at 11:00 AM
g)	Date of uploading list for Technically Qualified Quotationers (online)	To be notified later.
h)	Date and Place for opening of Financial Proposal (Online)	To be notified during uploading of Technical Evaluation Sheet of Quotationers.
i)	Date of uploading of list of Bidders along with the offer rates through (on line),	To be notified later.
j)	Also if necessary for further negotiation through offline for final rate.	To be notified later.

b) A **Tender Committee** may be constituted for this purpose. This Committee may look after the necessary formalities in connection with the e-Tender notice are and engagement of Third Party.

c) An assessment has been made for determination of expenditure for GIS based Survey. An amount of **Rs. 10000/-** is considered for each **50000** urban population. As per census 2011 for the total urban population of West Bengal, approximately **Rs. 48.84 Lakh** is required. (List of the ULB and fund provision is annexed herewith as **Annexure-I**)

সূডা

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NOTE SHEET

SUDA

d) For the above financial provision fund to tune Rs. 48.84 Lakh is required. Out of which Central share is Rs. 29.30 Lakh and State share is Rs. 19.54 Lakh as per guidelines Central: State share (60:40). Necessary requirement of fund may be communicated to Ministry of Housing and Urban Affairs, Gol.

e) To expedite the process of survey a separate Agency may be engaged by Kolkata Municipal Corporation itself to conduct GIS based Third Party Survey smoothly. As per census 2011 Kolkata Corporation has largest homeless population.

A letter may be sent to the Commissioner, KMC along with the draft RFP to select the agency. (Draft letter is enclosed in the C.P. side)

For remaining 124 ULB, SUDA may float the Tender to select the Agency.

Submitted.

Deputy
Director
SUDA

S.D.
16/1/18

16/1/18

TS/SD

Director
SUDA

Secretary
UDMA Deptt.

17/1/18
18/1/18

U/O-26/18

dt-19-01-18.

R/o 285/2017

Dr. SUDA

48.01.mf

DD

24/1/18

Draft letter to the Commissioner, KMC is submitted herewith for signature

Deputy
Director
SUDA

S.D.
24/01/18

24/1/18

24/1/18

STATE URBAN DEVELOPMENT AGENCY

“ইলগাস ভবন”, এইচ-সি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা-৭০০ ১০৬, পশ্চিমবঙ্গ

“ILGUS BHAVAN”, H-C Block, Sector - III, Bidhannagar, Kolkata - 700 106, West Bengal

ক্রমিক নং SUDA-285/2017/1359

তারিখ 24.01.2018

From: Director, SUDA
& Mission Director, WBSULMTo: Municipal Commissioner,
Kolkata Municipal Corporation

Sub: GIS based Third Party Systematic survey for identification of urban homeless.

Sir,

In reference to the letter memo no. M-13/23/2017-UPA SECTION MHUPA (EFS 9026963) dated: 15.11.2017 from Deputy Secretary to Govt. of India it is requested to conduct a Third Party Systematic Survey for identification of Urban Homeless at the ULB level.

In connection with above you are requested to conduct a separate GIS based Third Party Systematic Survey to identify the homeless population in Kolkata Municipal Corporation area through engagement of Agency. This survey may be carried out on an urgent basis and same may be completed by 31.03.2018.

Further this is to inform that Hon'ble Supreme Court has passed an order on 08.11.2017 during the hearing of W.P.(C) 55 of 2003 with 572 of 2003 that there was a huge mismatch of figures regarding the number of homeless between the final report submitted by the Committee on shelters constituted as per the direction of Hon'ble Supreme Court and figure quoted by some States in their affidavits filed before Hon'ble Supreme Court. The Committee constituted as per order dated 11.11.2016 of Hon'ble Supreme Court has sought directions from Hon'ble Supreme Court on the following:

“The Committee has directed the States visited by them to conduct a survey for obtaining the number of urban homeless in the State as a whole and city-wise and the survey is to be conducted by a third party. It has been seen that the states have conducted their own survey which is not authentic as different figures have been given at different stages and even some States have gone to the extent of reducing the number of urban homeless to absolve themselves from constructing new shelters. So direction are sought that the States are directed to conduct an independent survey to be validated with SECC which is under public domain.”

Yours faithfully,


Director, SUDA
& Mission Director, WBSULM

দূরভাষ : ২৩৫৮ ৬৪০৩ / ৫৭৬৭, ফ্যাক্স : ২৩৫৮ ৫৮০০

Tel : 2358 6403/5767, Fax : 2358 5800, E-mail : wbsudadir@gmail.com

Account Section : 2358 6408

F.No. **E-14013/1/2013-USD/FYS-9599**
Government of India
Ministry of Housing and Urban Poverty Alleviation
(UPA Division)

Nirman Bhavan, New Delhi
Dated: 7th December, 2015

OFFICE MEMORANDUM

Subject: Amendments in Operational Guidelines of Shelter for Urban Homeless (SUH) under NULM - Reg.

The undersigned is directed to refer to the above mentioned subject and to say that the following paragraphs of various clauses of the Operational Guidelines of Shelter for Urban Homeless (SUH) under NULM stand amended with the approval of the competent authority.

SN	Existing Provision	Amended Provision
1.	Clause 1: BACKGROUND The National Urban Housing & Habitat Policy (NUHHP), 2007 aims at promoting sustainable development of habitat in the country with a view to ensuring equitable supply of land, shelter and services at affordable prices to all sections of the society. However, the most vulnerable of these are the urban homeless. National Urban Livelihoods Mission (NULM) aims at providing permanent shelter equipped with essential services to the urban homeless in a phased manner under the Scheme of Shelter for Urban Homeless (SUH).	Clause 1: BACKGROUND The National Urban Housing & Habitat Policy (NUHHP), 2007 aims at promoting sustainable development of habitat in the country with a view to ensuring equitable supply of land, shelter and services at affordable prices to all sections of the society. However, the most vulnerable of these are the urban homeless. National Urban Livelihoods Mission (NULM) aims at providing permanent shelter equipped with essential services to the urban homeless in a phased manner under the Scheme of Shelter for Urban Homeless (SUH). Homeless persons include persons who do not have a house, either self-owned or rented, but instead live and sleep on pavements, at parks, railway stations, bus stations and places of worship, outside shops and factories, at construction sites, under bridges, in hume pipes and other places under the open sky or places unfit for human habitation. It is understood that many occupants of shelters are engaged in work during the nights (e.g. as head-loaders), and thus need shelters to sleep in, during the day. Casual workers also often do not get employment on a daily basis, and so they may need shelters during the day and not just at

SN	Existing Provision	Amended Provision
5.	Clause 6.2: Systematic surveys would be undertaken in cities/towns by the local/municipal bodies so as to assess accurately the need for shelters at suitable locations. As far as possible, sites providing maximum convenience to the beneficiaries may be identified. While undertaking the survey and identifying beneficiaries, implementing agencies may involve civil society representatives.	Systematic surveys would be undertaken in cities/towns by the local/municipal bodies so as to assess accurately the need for shelters at suitable locations. As far as possible, sites providing maximum convenience to the beneficiaries may be identified. While undertaking the survey and identifying beneficiaries, implementing agencies may involve civil society representatives. An outline of the process for conducting survey is placed at Annexure-1.
6.	Clause 7.2: Where existing infrastructure/ public buildings are being used, suitable refurbishment may be done to meet requisite services / space requirement. For refurbishment and utilisation of existing buildings as shelters, required Building Fitness Certificate shall be obtained from competent authorities.	Where existing infrastructure/ public buildings are being used, suitable refurbishment may be done to meet requisite services / space requirement. If land is available, then rooms may be added on the same floor and if required multi-storied structure can be created. Old/ dilapidated structures may be removed to make space for new shelters for more efficient use of land resources. For refurbishment and utilisation of existing buildings as shelters, required Building Fitness Certificate shall be obtained from competent authorities.
7.	Clause 7: DESIGN OF SHELTERS	Addition of New Clause - Clause 7.4: Adequate supply of electricity and water should be planned at the time of formulation of the proposal. Addition of New Clause - Clause 7.5: Effort should be made at the State/ ULB level that while preparing the City Master Plan, plan for the shelters are included.



Director SULM <wbsulm@gmail.com>

Sample verification for authentication of Homeless Survey Report

1 message

Director SULM <wbsulm@gmail.com>

Mon, Jul 2, 2018 at 12:29 PM

To: iwin@i-win.co.in

Cc: Biplab Nandy <biplab.nandy@gmail.com>

Sir,

I am sending herewith a list of name of ULBs (copy enclosed) where sample verification (resurvey) will be done for authentication of urban homeless survey report as submitted by you. As per eNIT SUDA-285/2017/1381 dated: 29.01.2018 you are requested to do the same within 10.07.2018 and submit the final report of all ulb (124 ULB) to this end at the earliest. Accordingly you are requested to share the schedule of the resurvey for necessary communication with the ULBs

Regards,

SMM- S & SI, WBSULM, SUDA



List of ULB.docx

17K

List of name of the ULBs where sample verification may be done for authentication of Urban Homeless survey report

1. Bankura
2. Coochbehar
3. Bhadreswar
4. Hooghly Chingsura
5. Tarakeswar
6. Jalpaiguri
7. Kalyani
8. Santipur
9. Ashoknagar- Kalyangarh
10. Barasat
11. Madhyamgram
12. Halisahar
13. North Dum Dum
14. Islampur
15. Medinipur
16. Kharagpur
17. South Dum Dum
18. New Barrackpore



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Development Corporation Limited
CIN-U64202WB1995PLC075980

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IWIN/BN/2018-19/ 78

Date: 15-06-2018

Director,
State Urban Development Agency
WBSULM
ILGUS Bhawan, H-C Block,
Sector – III, Bidhan Nangar
Kolkata – 700106

Subject: Submission of Draft Field Survey Report.

Dear Sir,

We have compiled field survey reports for the following Municipalities. Municipality wise number of homeless population as per definition of NIT are given below:

Sl No	District	Municipalities	Homeless Population as per definition of NIT
1	Alipurduar	Alipurduar	9
2	Bankura	Bankura	3
3		Sonamukhi	11
4		Bishnupur	15
5	Birbhum	Bolpur	32
6		Dubrajpur	29
7		Nalhati	28
8		Rampurhat	18
9		Sainthia	22
10		Suri	27
11	East Bardhaman	Bardhaman	25
12		Dainhat	22
13		Gushkara	20
14		Kalna	0
15		Katwa	29
16		Memari	14
17	Coochbehar	Coochbehar	3
18		Dinhata	3
19		Haldibari	2



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Sl No	District	Municipalities	Homeless Population as per definition of NIT
20		Mathabhanga	7
21		Mekliganj	3
22		Tufanganj	1
23	Dakshin Dinajpur	Balurghat	13
24		Buniadpur	0
25		Gangarampur	1
26	Darjeeling	Darjeeling	5
27		Kurseong	2
28		Siliguri MC	177
29		Mirik	1
30	East Medinipur	Egra	3
31		Contai	44
32		Haldia	7
33		Panskura	14
34		Tamralipta	12
35	Hooghly	Arambagh	52
36		Baidyabati	56
37		Bansberia	41
38		Bhadreswar	9
39		Champdany	31
40		Chandannagore MC	27
41		Hooghly Chinsura	6
42		Dankuni	11
43		Konnogar	0
44		Rishra	23
45		Srerampur	18
46		Tarakeswar	15
47		Uttarpara Kotrung	11
48	Howrah	Uluberia	29
49		Howrah MC (Excluding inside of Howrah Station)	198
50	Jalpaiguri	Dhupguri	12
51		Jalpaiguri	3
52		Mal Bazar	22

854



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Sl No	District	Municipalities	Homeless Population as per definition of NIT
53	Jhargram	Jhargram	5
54	Kalimpong	Kalimpong	8
55	Malda	Old Malda	0
56		English Bazar	56
57	Murshidabad	Beldanga	14
58		Berhampore	16
59		Dhulian	27
60		Jangipur	24
61		Jiagan-Azimganj	40
62		Kandi	64
63		Murshidabad	13
64	Nadia	Birnagar	10
65		Chakdah	3
66		Cooper's camp	24
67		Gayeshpur	1
68		Kalyani	10
69		Krishnanagar	11
70		Nabadwip	19
71		Ranaghat	11
72		Santipur	7
73		Taherpur	15
74		Haringhata	0
75	North 24 Parganas	Ashoknagar-Kalyangarh	0
76		Baduria	21
77		Baranagar	77
78		Barasat	6
79		Barrackpur	43
80		Basirhat	2
81		Bhatpara	28
82		Bongaon	24
83		Dum Dum	21
84		Garulia	30
85		Gobardanga	1
86		Habra	5
87		Halisahar	3
88		Kamarhati	3
89		Kanchrapara	14

CSG 6



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Development Corporation Limited
CIN-U64202WB1995PLC075980

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Sl No	District	Municipalities	Homeless Population as per definition of NIT
90		Khardah	1
91		Madhyamgram	1
92		Naihati	37
93		New Barrackpur	8
94		North Barrackpur	6
95		North Dum Dum	3
96		Panihati	15
97		South DumDum	8
98		Taki	17
99		Titagarh	22
100	Purulia	Jhalda	1
101		Raghunathpur	6
102		Purulia	15
103	South 24 Parganas	Baruipur	32
104		Budge Budge	22
105		Diamond Harbour	9
106		Jaynagar-Mazilpur	17
107		Maheshtala	17
108		Pujali	6
109		Rajpur-Sonarpur	16
110	Uttar Dinajpur	Kaliaganj	12
111		Dalkhola	7
112		Islampur	12
113		Raiganj	71
114	West Bardhaman	Asansol MC (Including Jamuria, Kulti, Raniganj)	71
115		Durgapur	19
116	West Medinipur	Chandrakona	1
117		Ghatal	29
118		Kharar	0
119		Khirpai	43
120		Medinipur	3
121		Ramjibanpur	3
122		Kharagpur	12

7596



I-WIN Advisory Services Limited

Formerly iCICI-West Bengal Infrastructure
Development Corporation Limited
CIN-U64202WB1995PLC075980

This is for your kind perusal and necessary comments.

Thanking you,

With Regards,

Tarun Kanti Das
Executive Director



I-WIN Advisors
Formerly iCICI West Bengal Urban
Development Corporation Limited
CIN-U64202WB1955PLC075980

IWIN/BN/18-19/94

Date: 28/06/2018

Director
State Urban Development Agency,
WBSULM,
ILGUS Bhavan, H-C Block,
Sector III, Bidhan Nagar,
Kolkata 700106

**Subject: Survey Methodology for GIS-Based survey for Urban Homeless Population in 124
ULBs in the state of West Bengal**

Dear Sir,

This is in reference to your work order no. SUDA-285/2017-1381 dated 29.01.2018. We are pleased to submit our survey methodology for the above assignment. This is for your kind information and consideration.

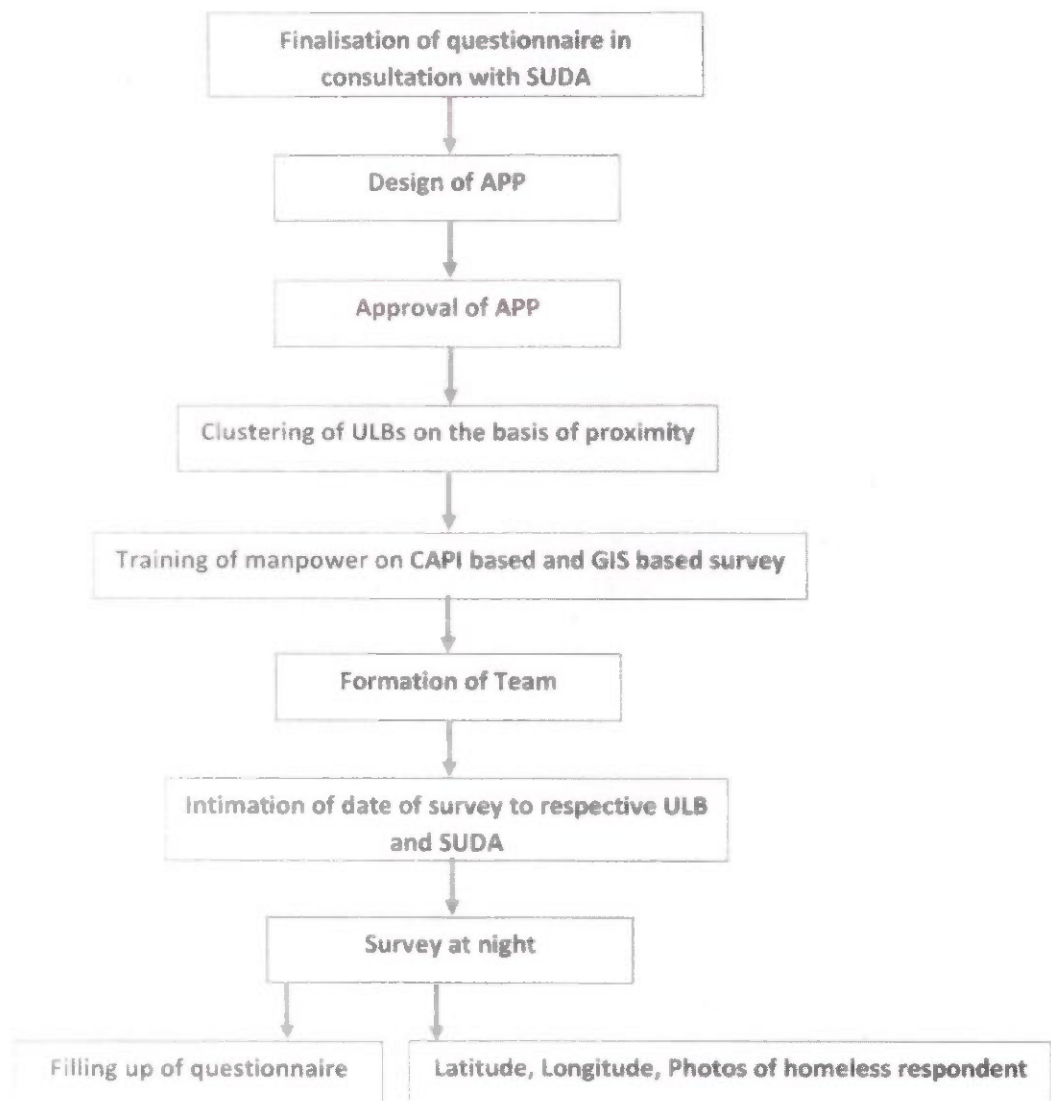
Thanking you,

Yours faithfully,

Debashis Sen Gupta
Director

Project: GIS Based survey of Urban Homeless Population in 124 Urban Local Bodies (ULB) in the State of west Bengal

Work plan as executed:



Step – 1: Secondary Research:

Secondary research has been conducted on the basis of data available on public domain like Census on homeless population to understand the broad zone of concentration of homeless population.

Step – 2: Finalisation of Questionnaire and APP:

I-Win Advisory Services Ltd devised a questionnaire and suitable app on homeless population survey. This questionnaire and app were finalised in consultation with SUDA.

Step – 3: Clustering of ULBs:

All the 124 ULBs have been distributed in different clusters depending upon proximity and available communication facilities for conducting hassle-free survey at night as well as for mapping of resources.

Step – 4: Training of Manpower:

2-3 members team has been formed depending upon the concentration of homeless population within a ULB and area under ULB. The team members have been imparted training on data to be captured through Computer Aided Personal Interview (CAPI) devices. Some of the mandatory data are like: Longitude, Latitude, Photo and Geo tagging of homeless person.

Step – 5: Survey at Night:

After completion of all possible preparation, survey teams have been deployed for conducting survey. The survey teams were suitably equipped with smart phone having required features for capturing necessary data as per requirement of assignment and according to the definition of homeless given in NIT.

Step – 6: Data Uploading and Real Time Web based Dashboard:

Depending upon availability of net connectivity, data was uploaded on real-time basis. In some cases the survey team was accompanied by responsible Municipal officials at the time of survey at night.