Respected ma'am/sir,

As an avid enthusiast of the fields of GIS and geography, I write to you expressing my interest for the position of GIS intern at your esteemed institution. As a fresher who is yet to experience the world of GIS and pursue it further, I hope to gain a lot from this opportunity.

The internship requirements align well with my area of experience and interest. As a part of my capstone project for the university of Toronto, with my mentor Mr. Don Boyes, I created a detailed spatial analysis of the Ghazipur landfill in Delhi using various spatial analysis tools. Not just this, I used my skills learned from Mr. Boyes to perform various spatial analysis projects on different topics involving both raster and vector datasets. I also recently conducted an extensive survey on the urban waste management problems, with Delhi as my focus region. I am well equipped with using various statistical tools used for survey and research. Apart from this, I have thorough knowledge of urban geography. Moreover, my curriculum at university of Delhi, requires me to be extensively proficient in the discipline of GIS.

- Well-equipped in using Microsoft excel and power point
- Proficiency in use of ArcGIS desktop, ArcGIS online, ArcGIS server and Quantum GIS.
- Experience in handling geospatial data and using various spatial analysis tools (proximity, 3-D analysis, raster analysis, overlay, Boolean operations, model builder, map algebra, interpolation tools etc.
- Knowledge of handling open-source data (google earth, BHUVAN, USGS, openstreetmaps etc.)

As a CBSE geography topper, attaining a perfect score in the discipline, I am well dedicated to any institution I associate with. As a hardworking student, I assure that my dedication towards this field would be really helpful to my supervisors.

Kindly review my resume and review my portfolio representing my research projects and GIS projects.
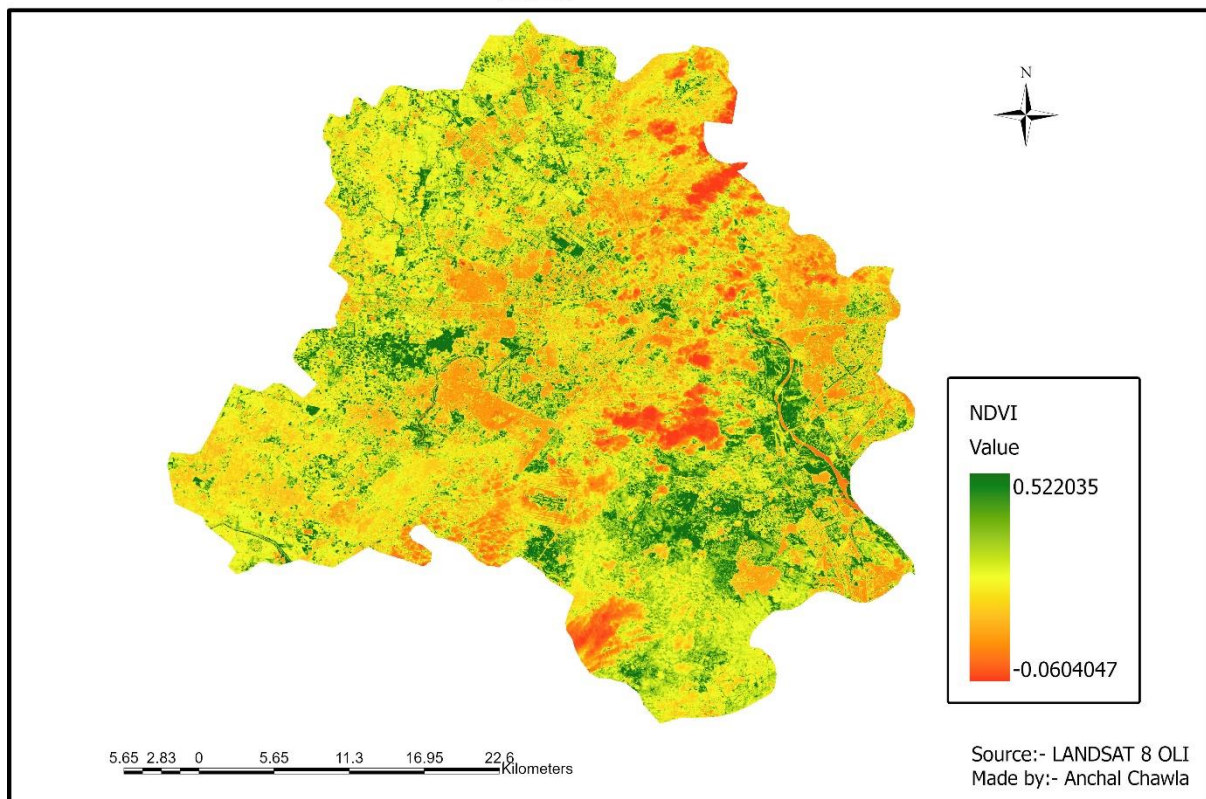
Thank you for your consideration

Sincerely,

Anchal Chawla

PORTFOLIO

ANCHAL CHAWLA

GIS INTERN

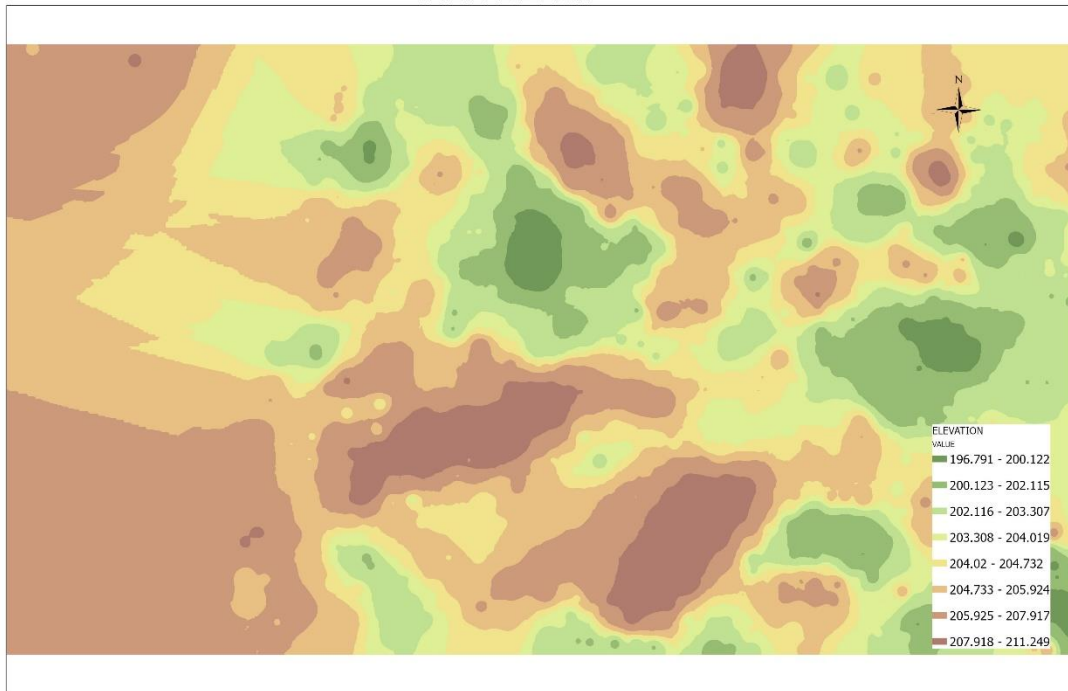## NORMALIZED DIFFERENCE VEGETATION INDEX
NEW DELHI
2021

NDVI
Value

0.522035

-0.0604047

5.65 2.83 0   5.65   11.3   16.95   22.6
                                        Kilometers

Source:- LANDSAT 8 OLI
Made by:- Anchal Chawla

DIGITAL ELEVATION MODEL
GHAZIPUR
NEW DELHI

ELEVATION
VALUE
- 196.791 - 200.122
- 200.123 - 202.115
- 202.116 - 203.307
- 203.308 - 204.019
- 204.02 - 204.732
- 204.733 - 205.924
- 205.925 - 207.917
- 207.918 - 211.249

Made by:- Anchal chawla

GHAZIPUR LANDFILL
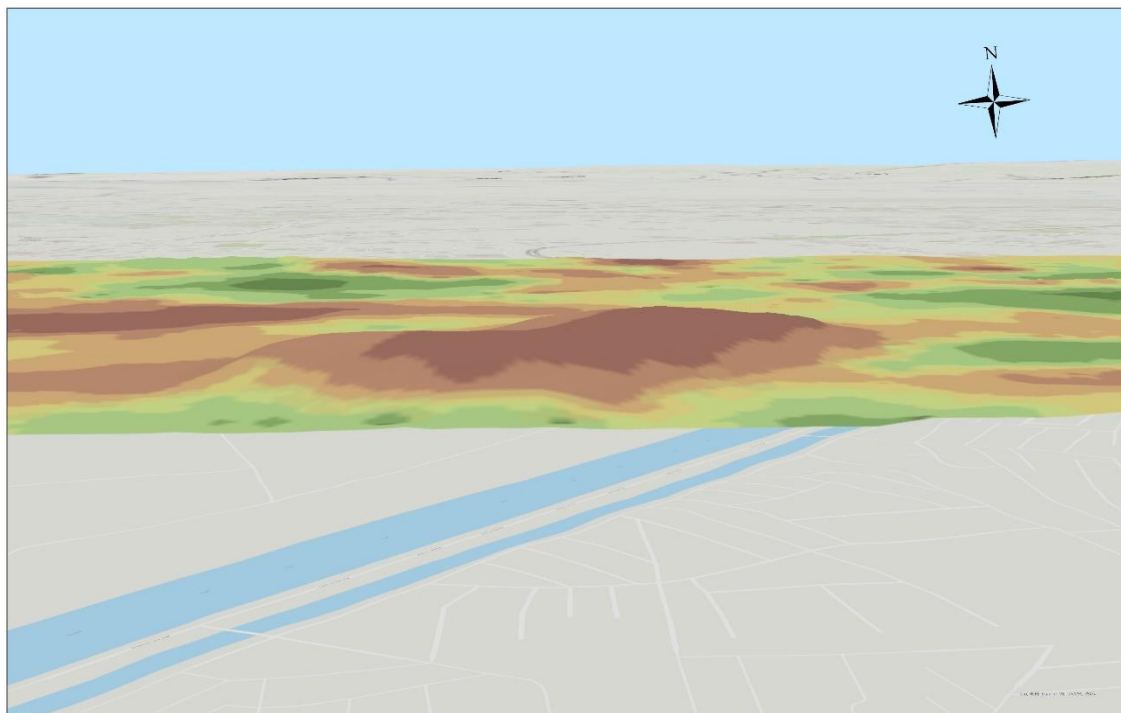
Made by :- Anchal chawla

BIHAR
POPULATION DENSITY,2001

N

PEOPLE PER KM²

Population Density

	488 - 883
	883 - 1002
	1002 - 1182
	1182 - 1492
	1492 - 1823

0   75   150 km
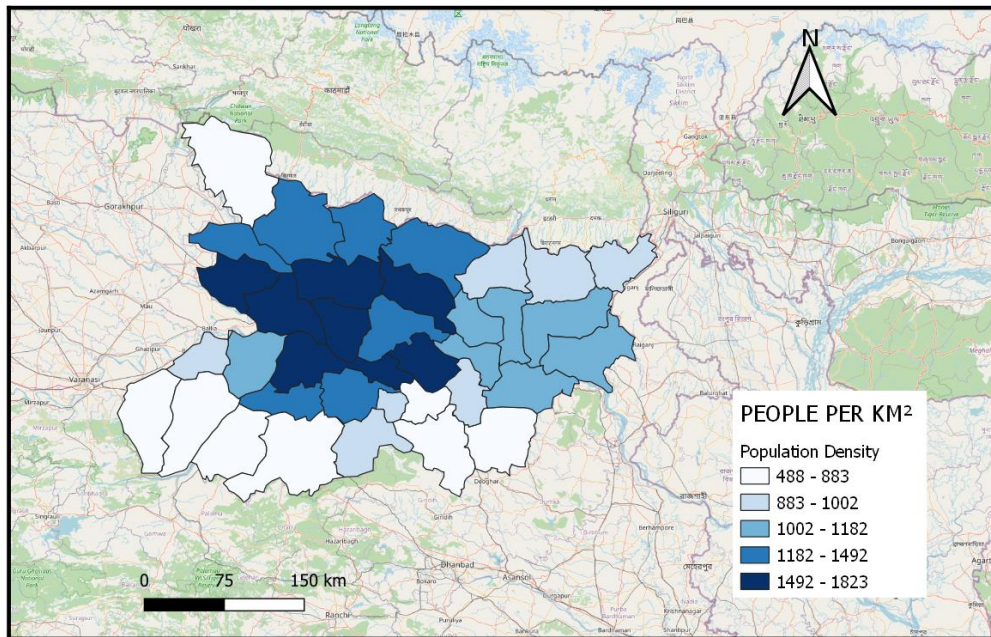
SOURCE:- CENSUS OF INDIA,2001

METRO CONNECTIVITY TO COVID HOSPITALS
NEW DELHI,2021

N

Metro Connectivity
COVID HOSPITALS

0 (15)
1 (25)
2 (4)
3 (2)

METRO LINES

1 - 2 (8)
3 - 5 (14)
6 - 8 (13)
9 - 10 (14)
11 - 12 (5)

Esri, NASA, NGA, USGS, Esri, HERE, Garmin, FAO, METI/NASA, USGS

0   5   10   20 Kilometers
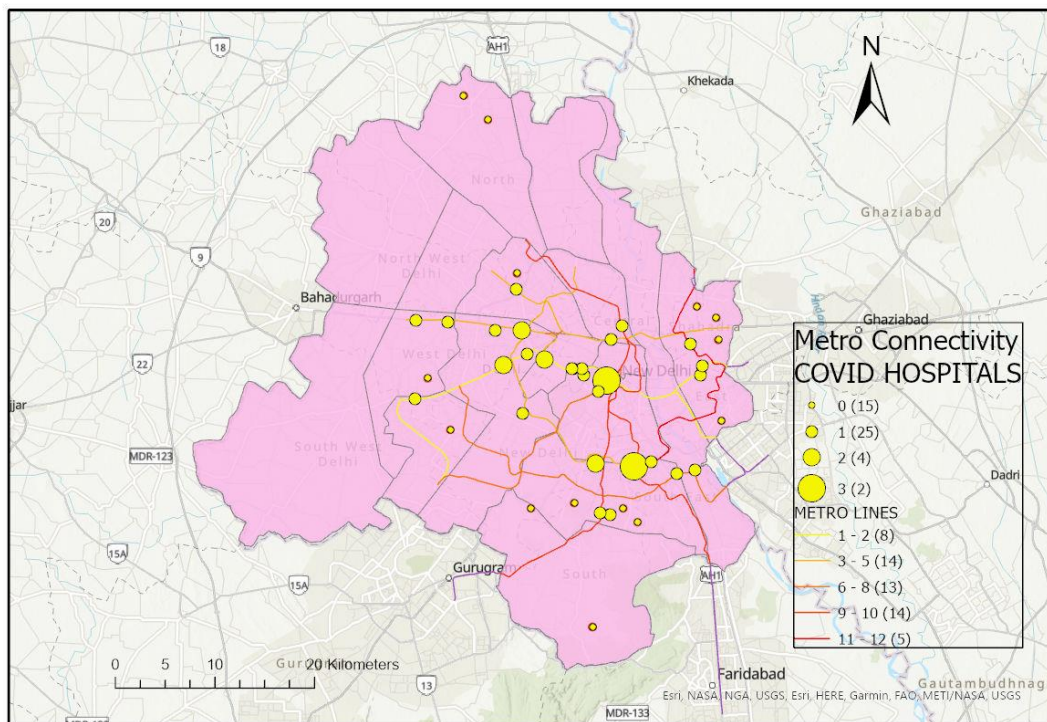
SOURCE:- ESRI INDIA
Made By :- ANCHAL CHAWLA

DELHI

Pupil-Teacher Ratio (Primary Schools),2011

North West

North Delhi

North East Delhi

West Delhi

Central Delhi

New Delhi

East Delhi

South West

South Delhi

PUPIL-TEACHER RATIO
Primary_Pupil-Teacher Ratio (%)
- 19
- 19 - 35
- 35- 39
- 39- 40
- 40 - 47

31.50 3   6   9   12
Kilometers

Esri, HERE, Garmin, FAO, METI/NASA, USGS
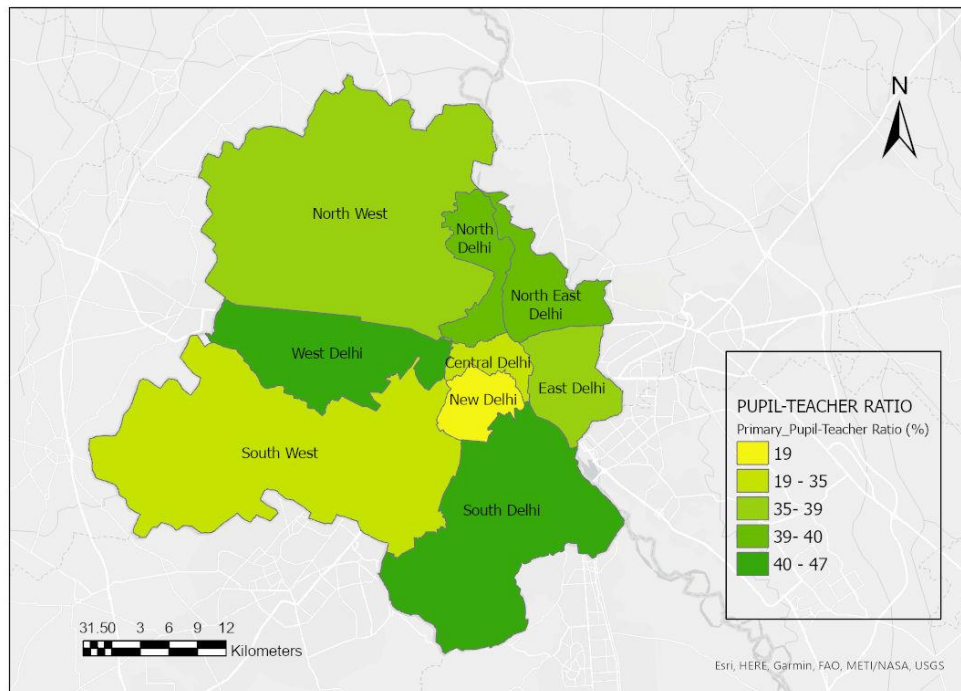
Source:- ESRI INDIA
MADE BY:- ANCHAL CHAWLA

DISTRICT WISE WASTE GENERATION (MTA)
NEW DELHI, 2007

TOTAL WASTE GENERATED (MTA)
- 9
- 10 - 33
- 34 - 41
- 42 - 92
- 93 - 292
- 293 - 368
- 369 - 581
- 582 - 1320
- 1321 - 2545

5.5 2.75   0   5.5   11   16.5   22
Kilometers

Made by:- ANCHAL CHAWLA
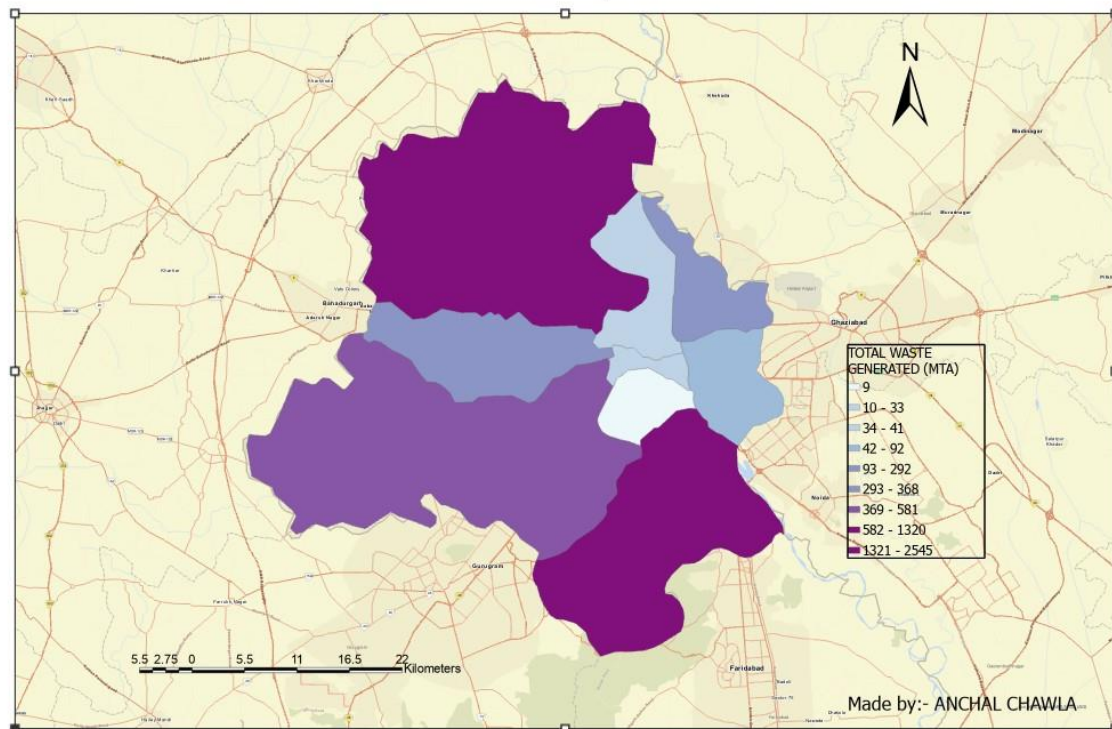
REGIONS AFFECTED BY THE GHAZIPUR LANDFILL

Ghazipur
Landfill

GHAZIPUR LANDFILL BUFFER
(500 m)
GHAZIPURLANDFILL_Buffer

GHAZIPURLANDFILL

☐ Districts

0.1 0.05 0   0.1   0.19   0.29   0.38
                                        Kilometers

Made by :- ANCHAL CHAWLA
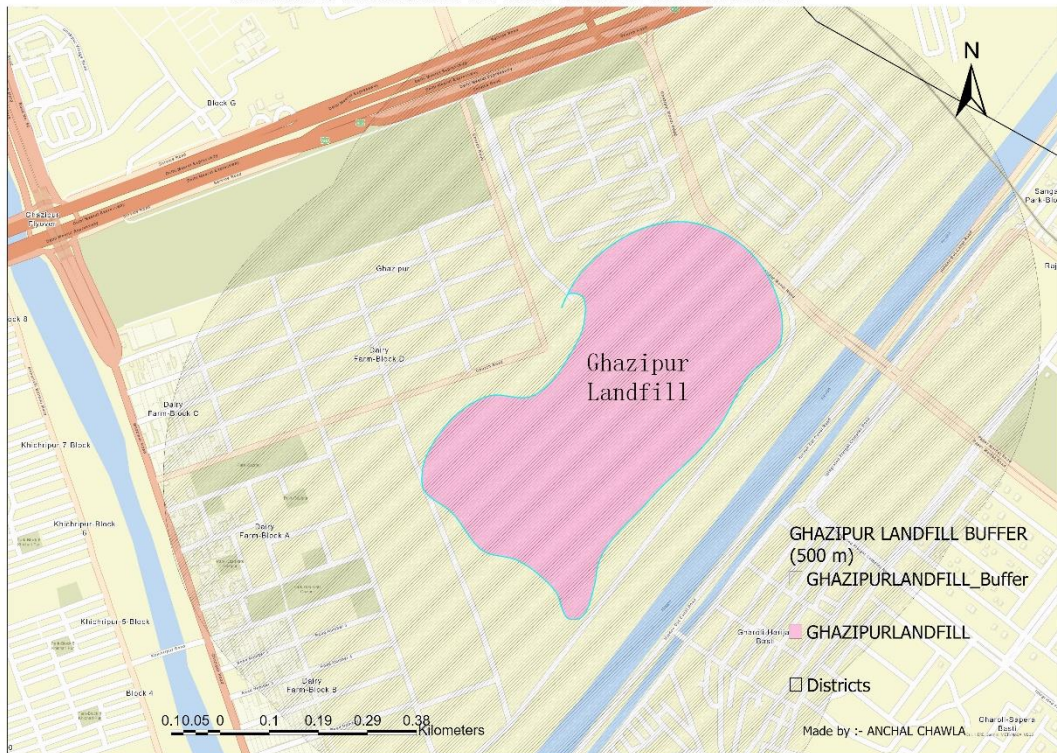
LAND USE AROUND GHAZIPUR LANDFILL
NEW DELHI

GHAZIPURLANDFILL
Land Use of Delhi
AGRICULTURE/GREEN BELT
COMMERCIAL
DRAIN
GOVERNMENT
INDUSTRIAL
PSP
RECREATIONAL
RESIDENTIAL
SPECIAL AREA
TRANSPORTATION
UTILITY

0   0.15   0.3   0.6   0.9   1.2
                                              Kilometers

BY:- anchal chawla
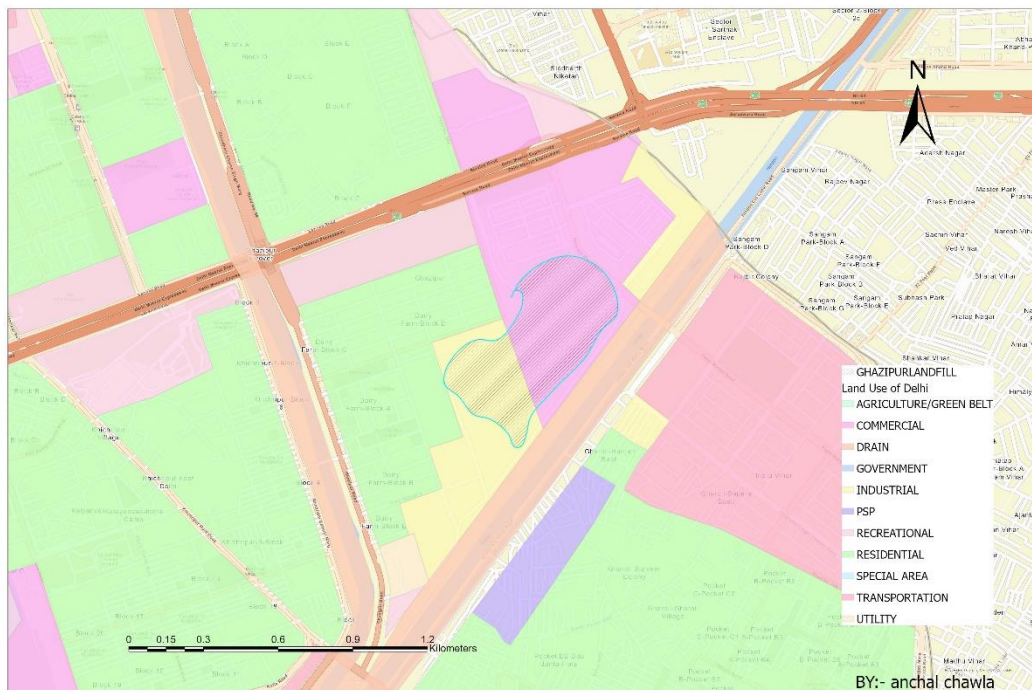
RESEARCH PROJECT

SOLID WASTE MANAGEMENT IN DELHI

Kindly check the attached Pdf file below:-

PDF

FIELD
WORK-converted.pdf

CASE STUDY:- GHAZIPUR LANDFILL

https://arcg.is/WaL4r (MADE THROUGH ArcGIS storymaps)