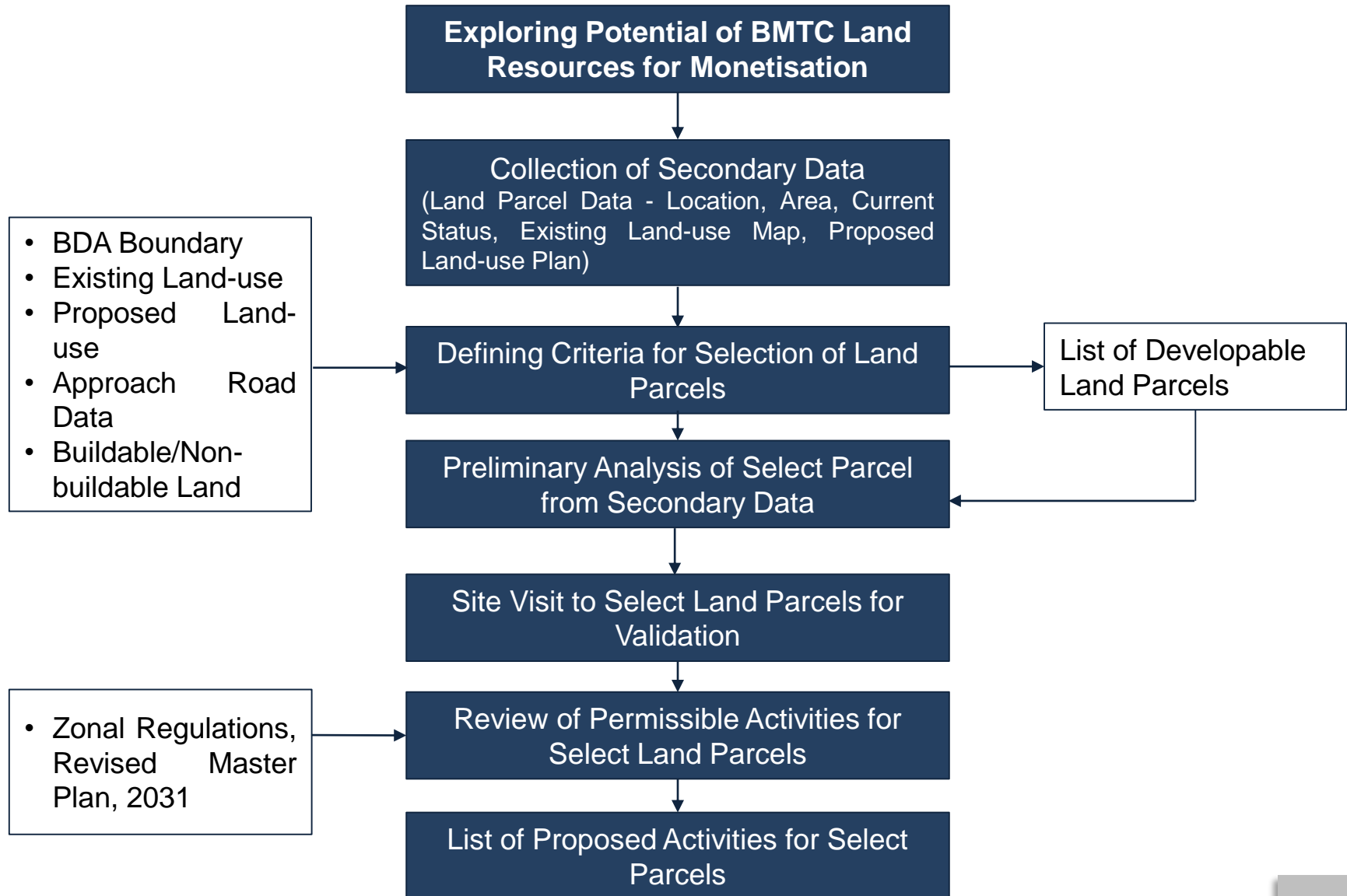


# Exploring Potential of BMTC Land Resources

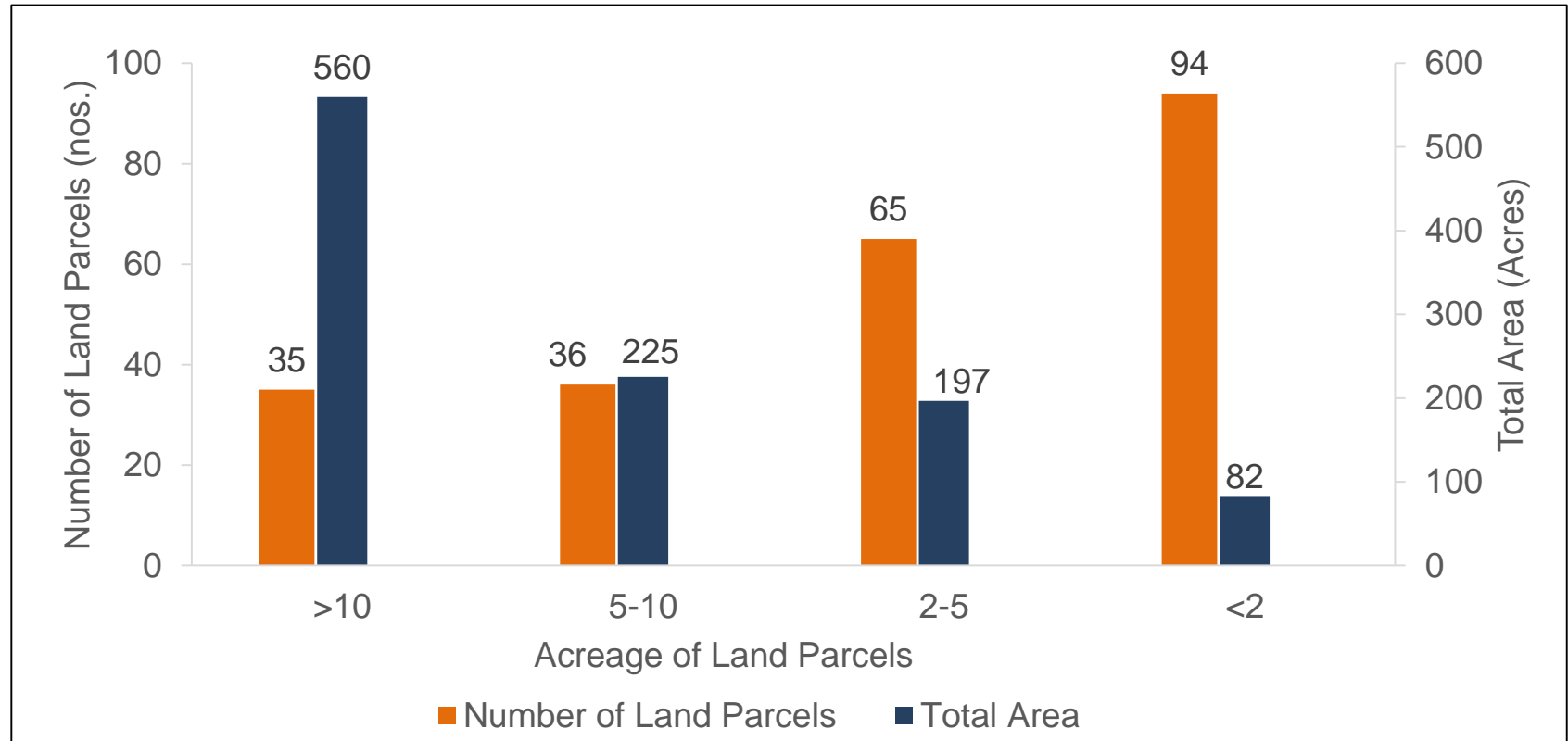
# Objectives

- To explore potential of BMTC land parcels for revenue generation
- To suggest suitable economic activities for select land parcels.

# Methodology

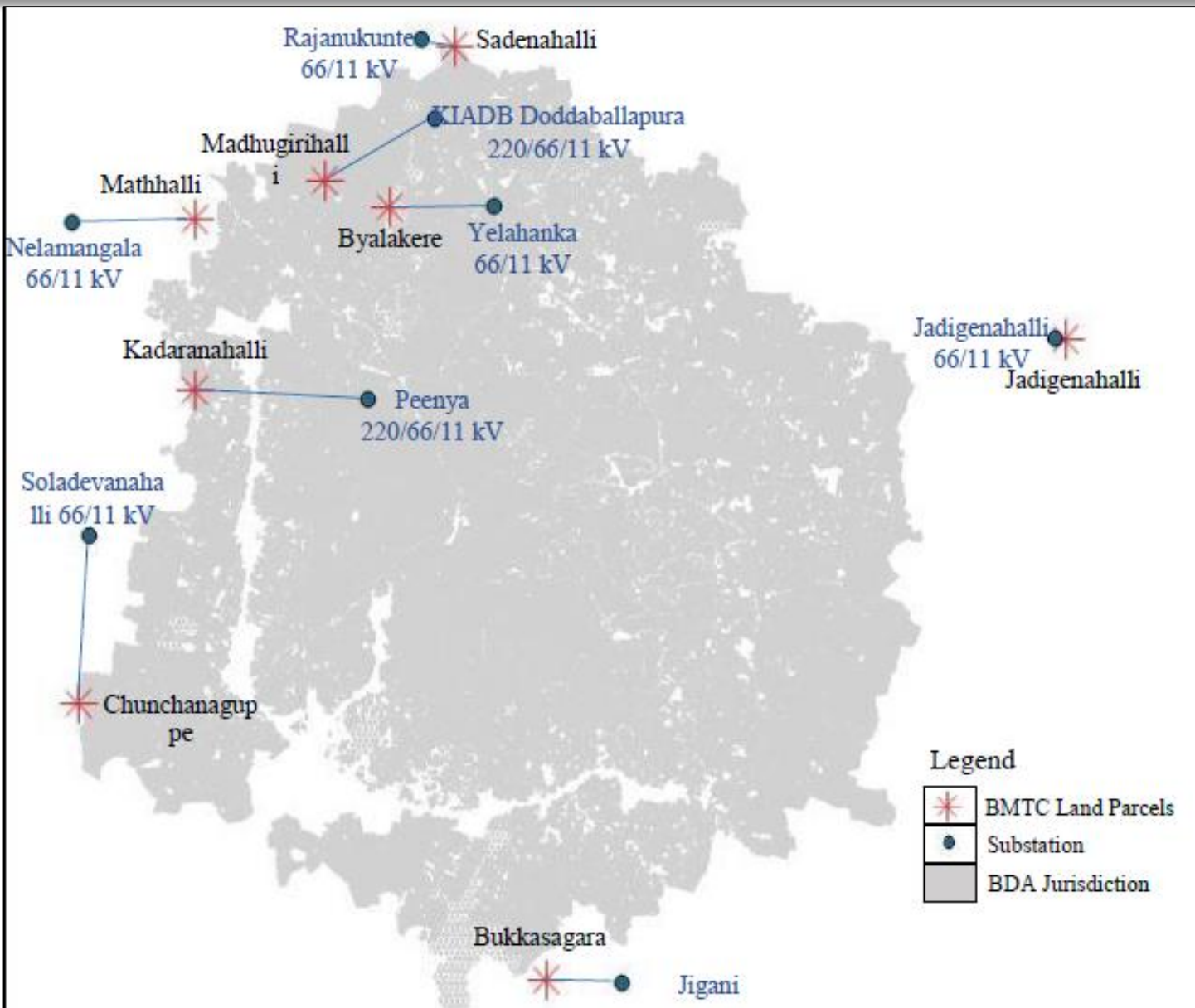


# Summary of Land Parcels



- Greater than 10 acres can be explored for solar plants
- Only 8 land parcels (36 acres) - proposed land use as Mixed-use of which 4 land parcels (10 acres) - Commercial use.

# Land Parcel Analysis – Solar Plants



# Feasible Land Parcels– Solar Plants

<b>Location</b>	<b>Area (Acres)</b>	<b>Nearby Substation Name</b>	<b>Solar Generation Potential (MW)</b>
Bukkasagara	10	Jigani 66/11 kV	2
Byalakere	30	Yelahanka 66/11 kV	6
Chunchanakuppe	10	Soladevanahalli 66/11 kV	2
Jadigenahalli	10	Jadigenahalli 66/11 kV	2
Kadaranahalli	21	Peenya 220/66/11 kV	4
Madhugirihalli	15	KIADB Doddaballapura 220/66/11 kV	3
Mathhalli	16	Nelamangala 66/11 kV	3
Sadenahalli	10	Rajanukunte 66/11 kV	2

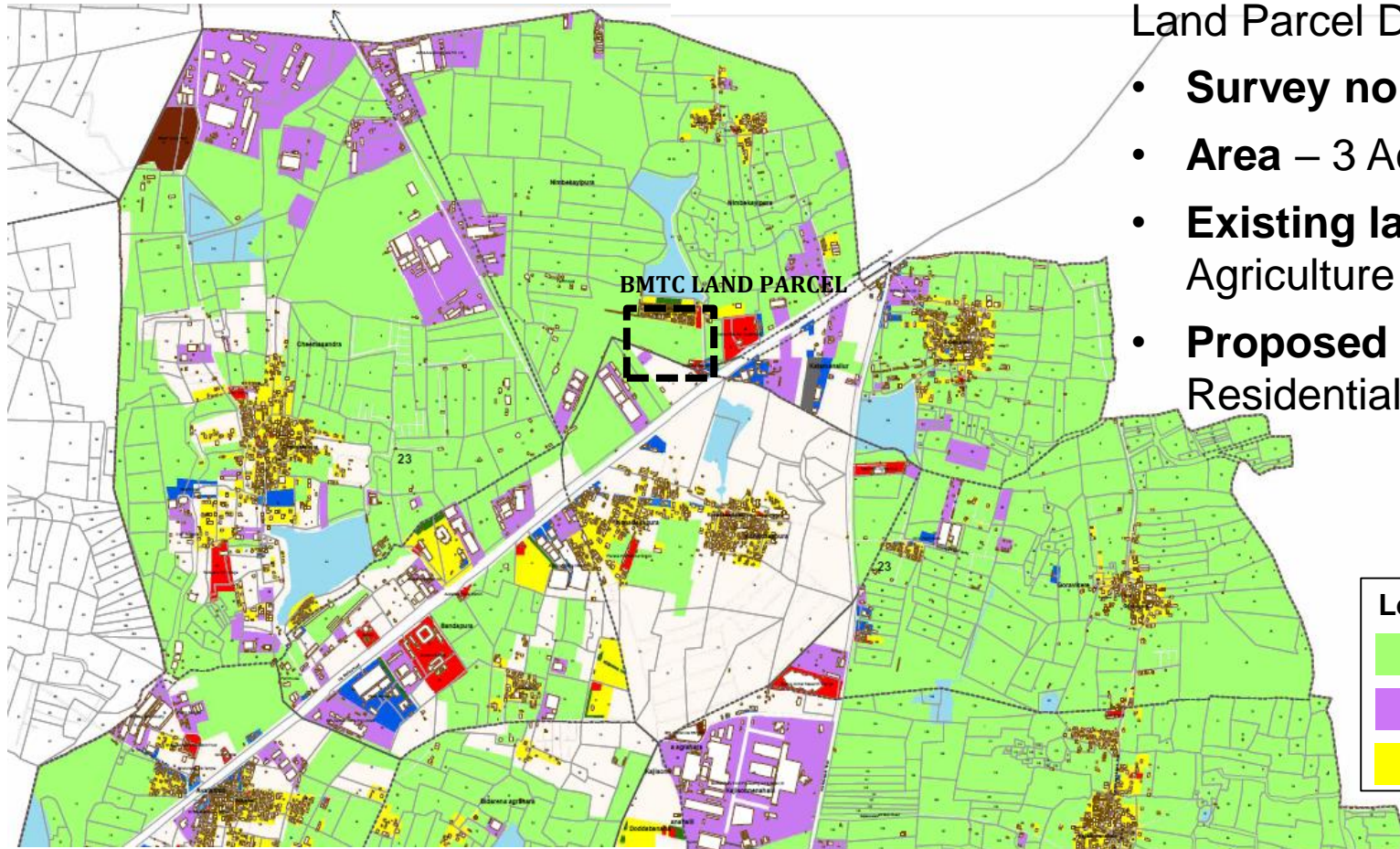
# Techno Economic Analysis– Solar Plants

Aggregate Potential	24 MW
Capex	~INR 110 Cr
Annual Energy	36 Million Units
Energy Cost	~ 3.6 INR/kWh
Annual Revenue	~ 13 Cr/annum
Pay back	6-7 years

# Nimbekaipura Land Parcel Analysis

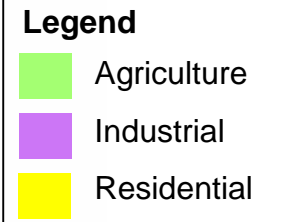


# Existing Land Use, Master Plan, 2015



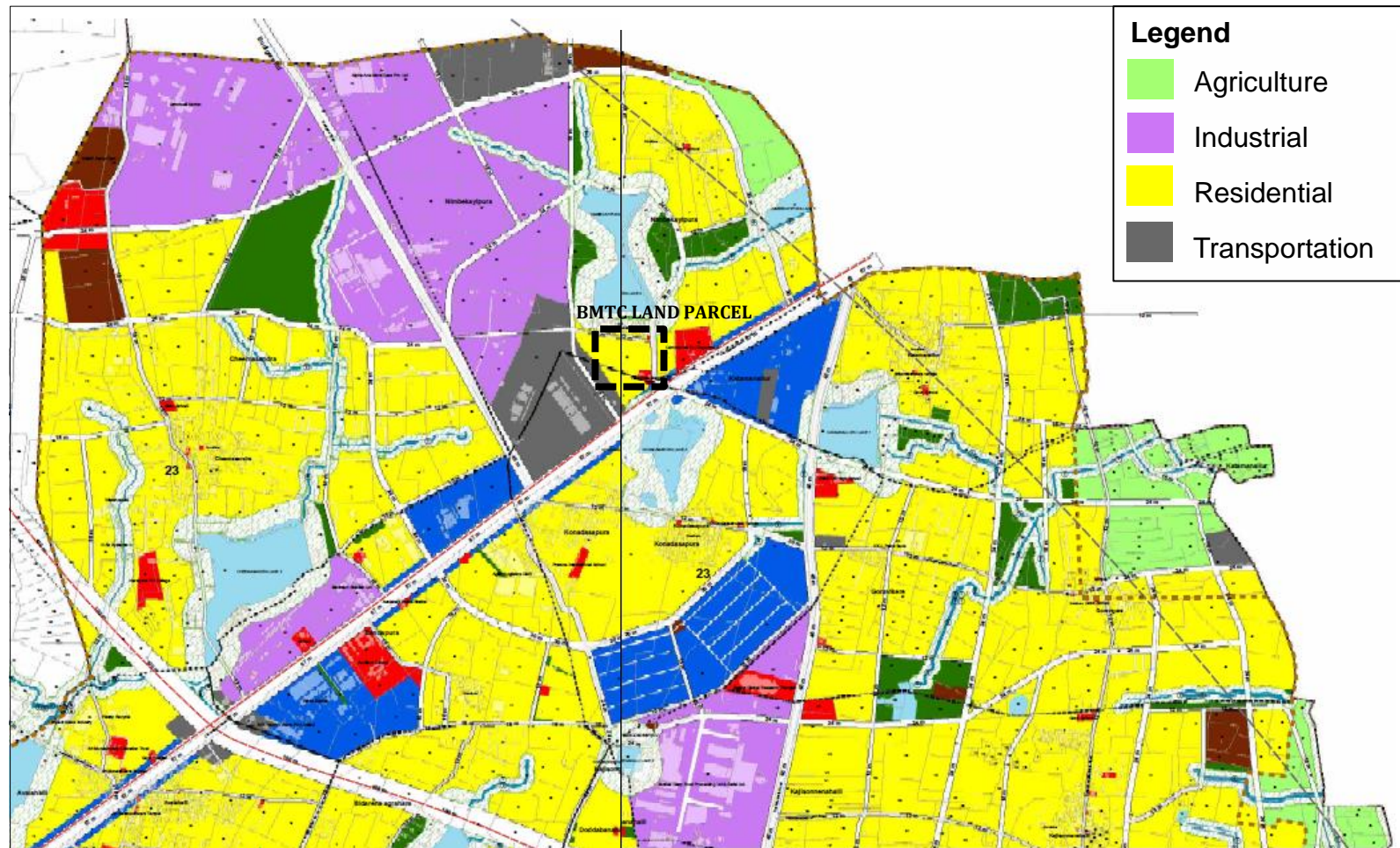
## Land Parcel Details

- **Survey no. 52**
- **Area – 3 Acres**
- **Existing land-use – Agriculture**
- **Proposed land-use – Residential**



- Surrounding area is predominantly agricultural, vacant and partially industrial
- Few residential developments adjacent to the BMTC land parcel.

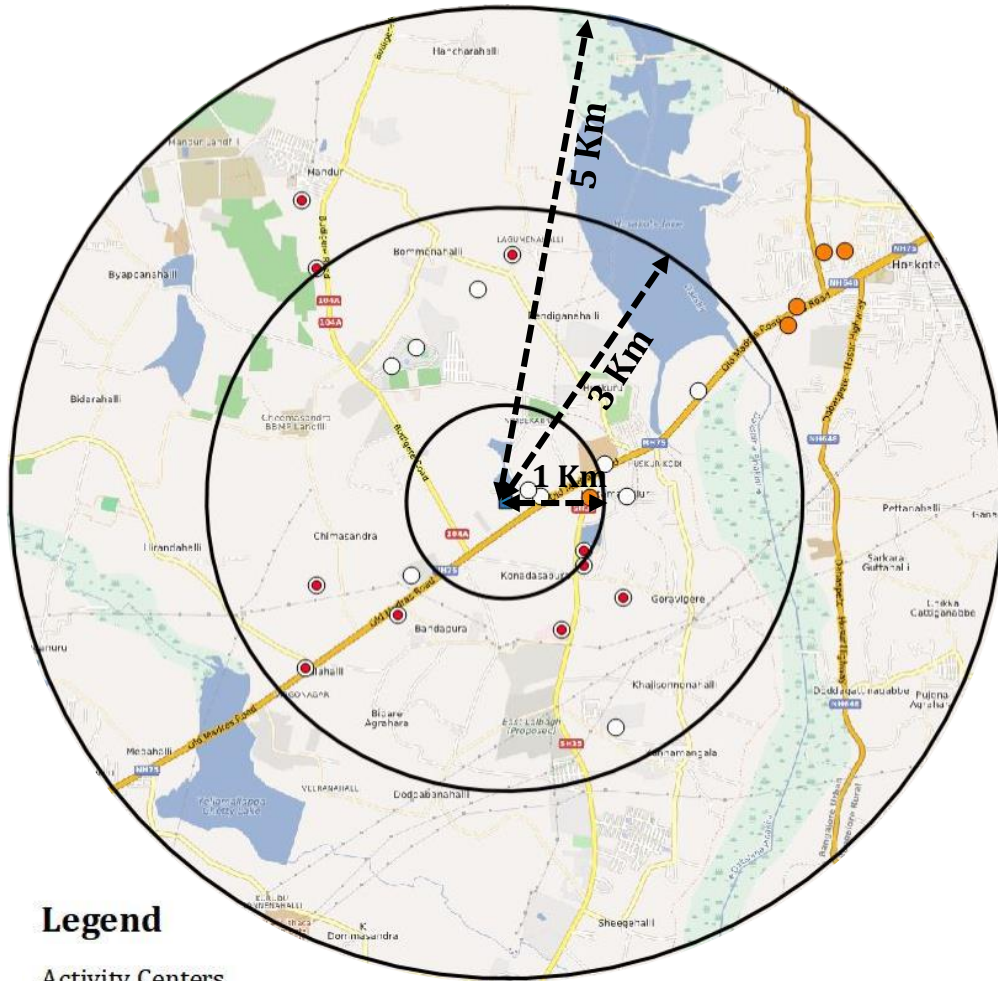
# Proposed Land Use, Master Plan, 2031



- The proposed land use for the BMTc land parcel is residential
- The adjoining land parcels are transport land use, commercial land use, and public/semi public land use.



# Existing Activities



## Legend

### Activity Centers

- Hospital
- Residential Appartements
- School

## Developed and Undeveloped Areas

- Scattered development on the West and South
- Plotted development seen in the surrounding

## Within 3 km radius

- 10 Residential apartments
- 9 Schools
- 1 Hospital

## Within 5 km radius

- 10 Residential apartments
- 10 Schools
- 5 Hospitals

# Findings and Recommendations

## Findings

- Significant number of litigated ~31 land parcels totalling ~ 195 acres
- Minimal land use for commercial activities in the proposed master plan

## Recommendations

- Land parcels >10 acres – installation of solar plants
- Proposed land-use Residential: Joint development for residential projects
- Proposed land-use Public and Semi-public: Educational institutions and medical establishments.