



নদী ও পরিবেশ উন্নয়ন
পরিষদ, সাভার



Presentation On

Wetlands Filling at Savar Area

Presented by:

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Research Associate

Center for Environmental and Geographic Information Services (CEGIS)

Meghmala Conference Hall, Transparency International Bangladesh (TIB)

25th April, 2019



Embassy
of the Federal Republic of Germany
Dhaka

Presentation Outline

- Objective of the study
- Identification of Land Development Activities along the Turag River Bank from 2008-2018
- Identification of Sanitary Dumping Site expansion at Aminbazar from 2006-2018

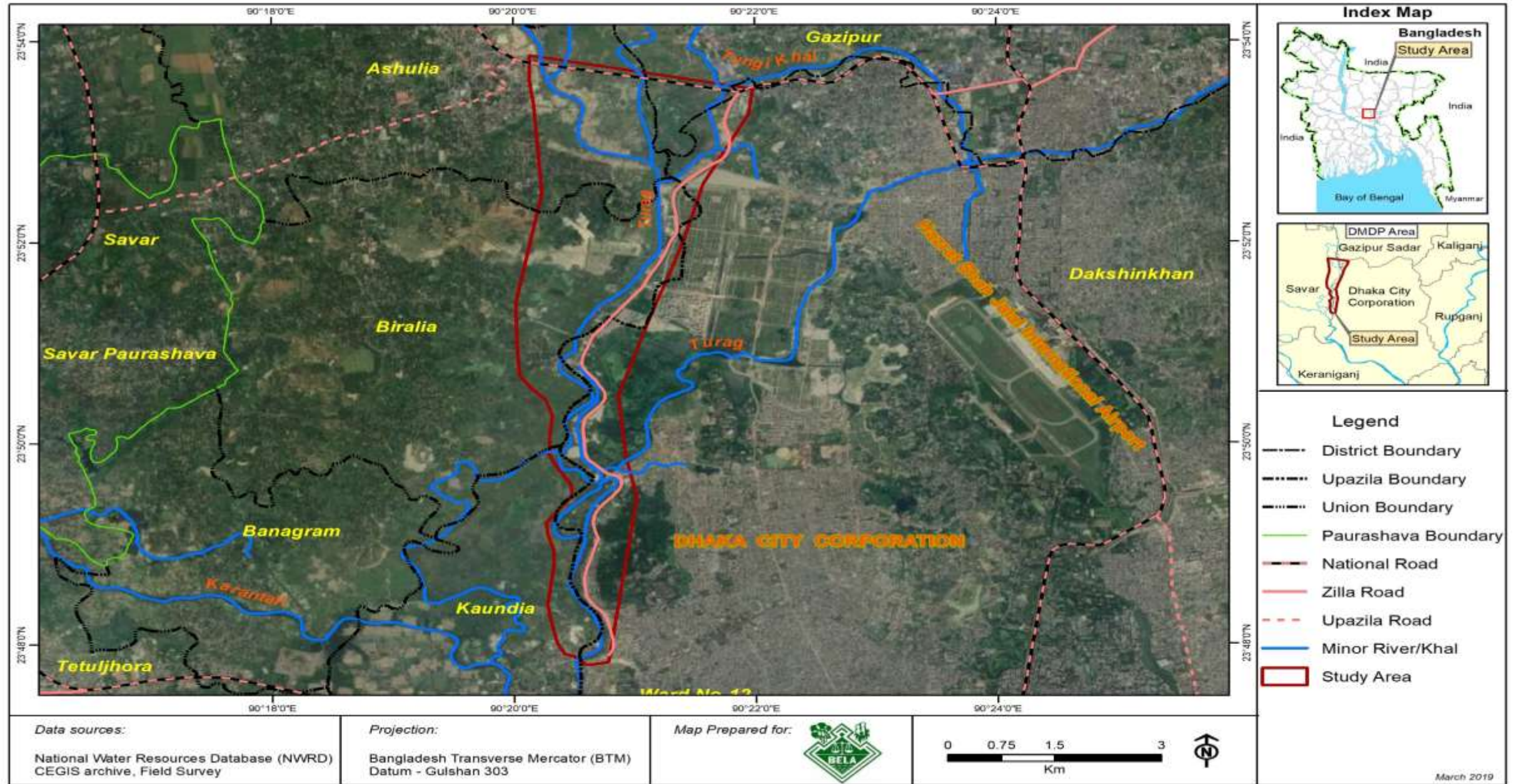
Objective

Delineate the wetland filling activities at Savar Areas using time series satellite images

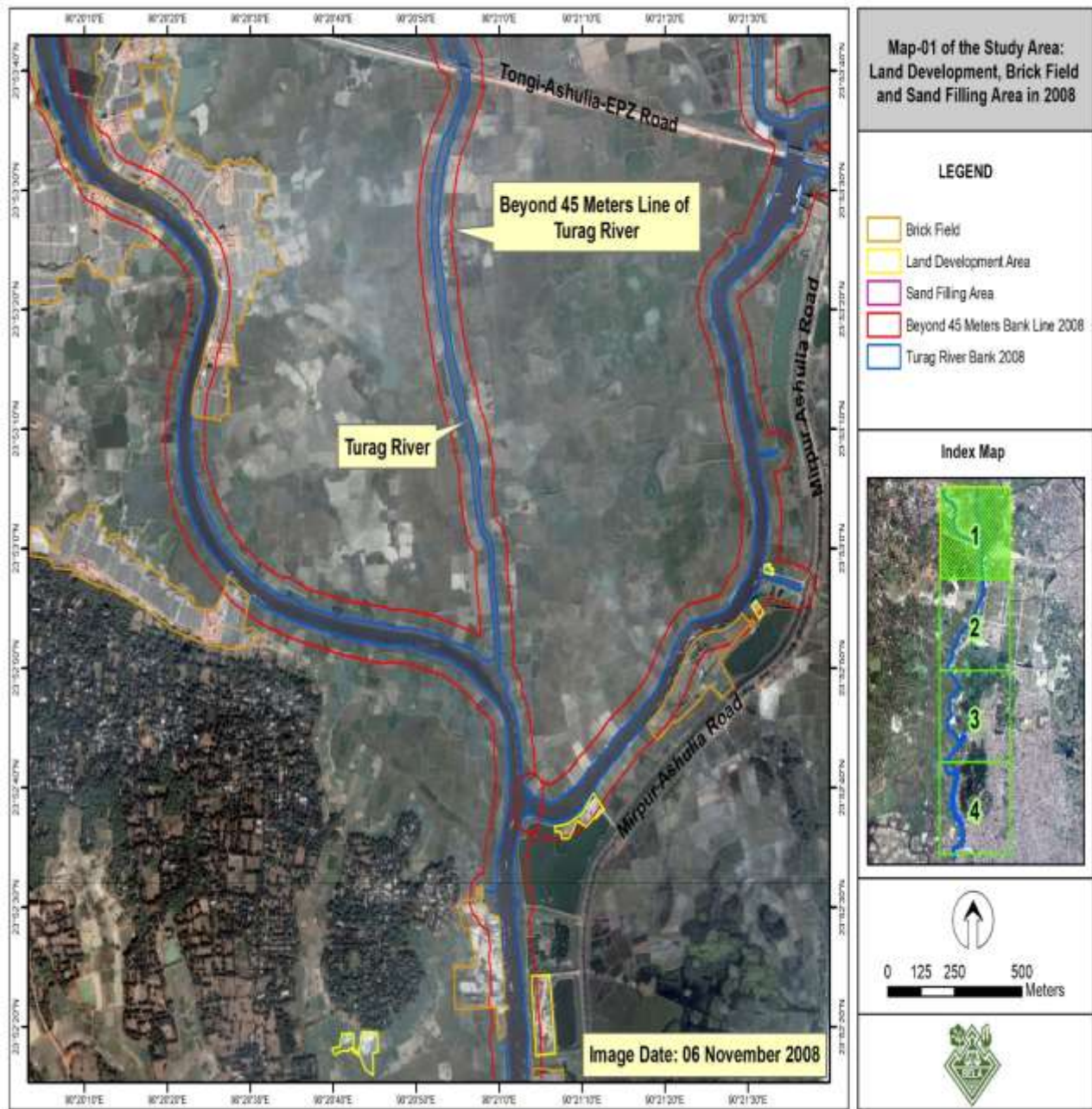
Study 1:
Identification of Land Development Area along the Turag River Bank

Study Area

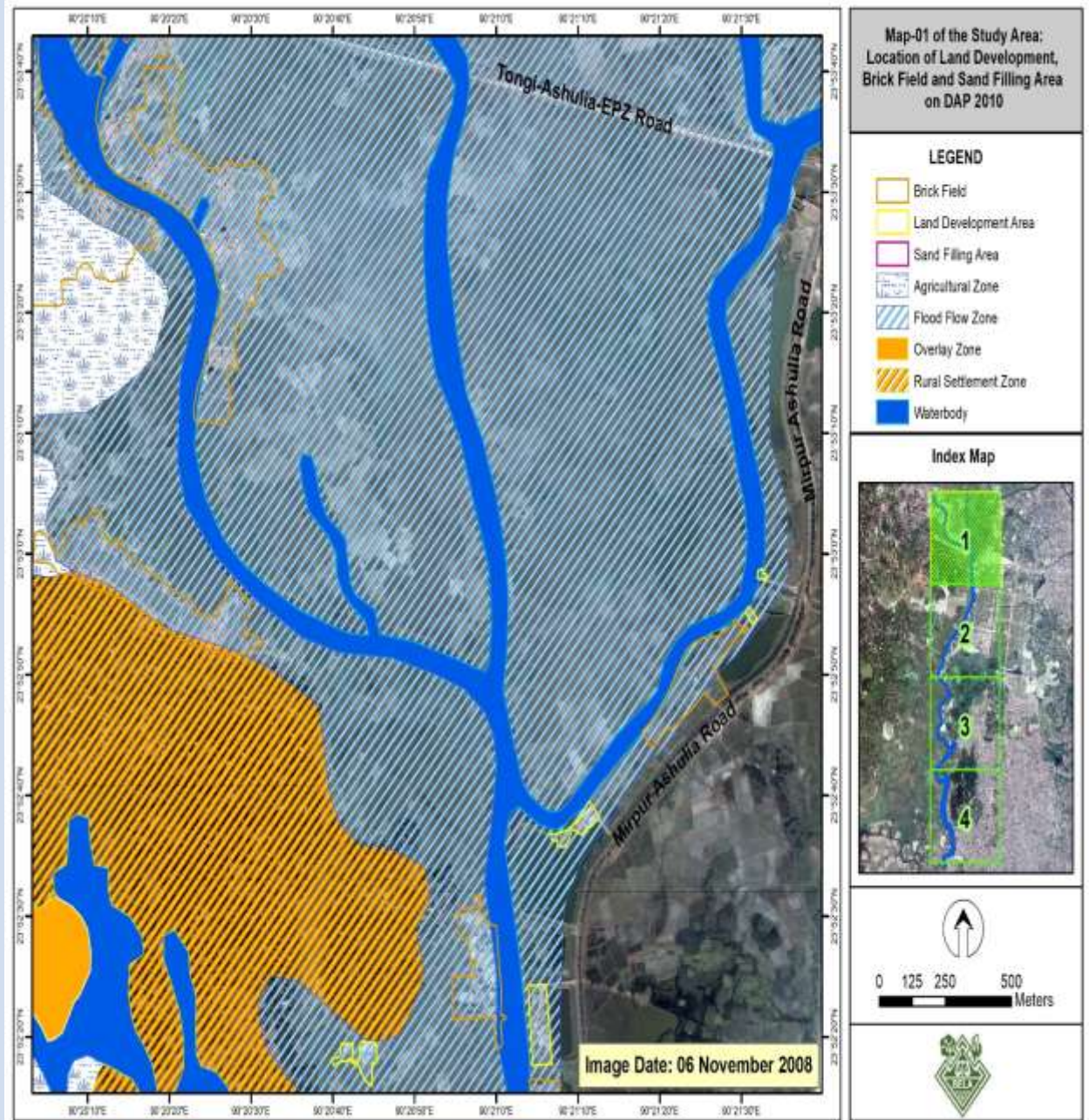
Study Area Map : Turag River



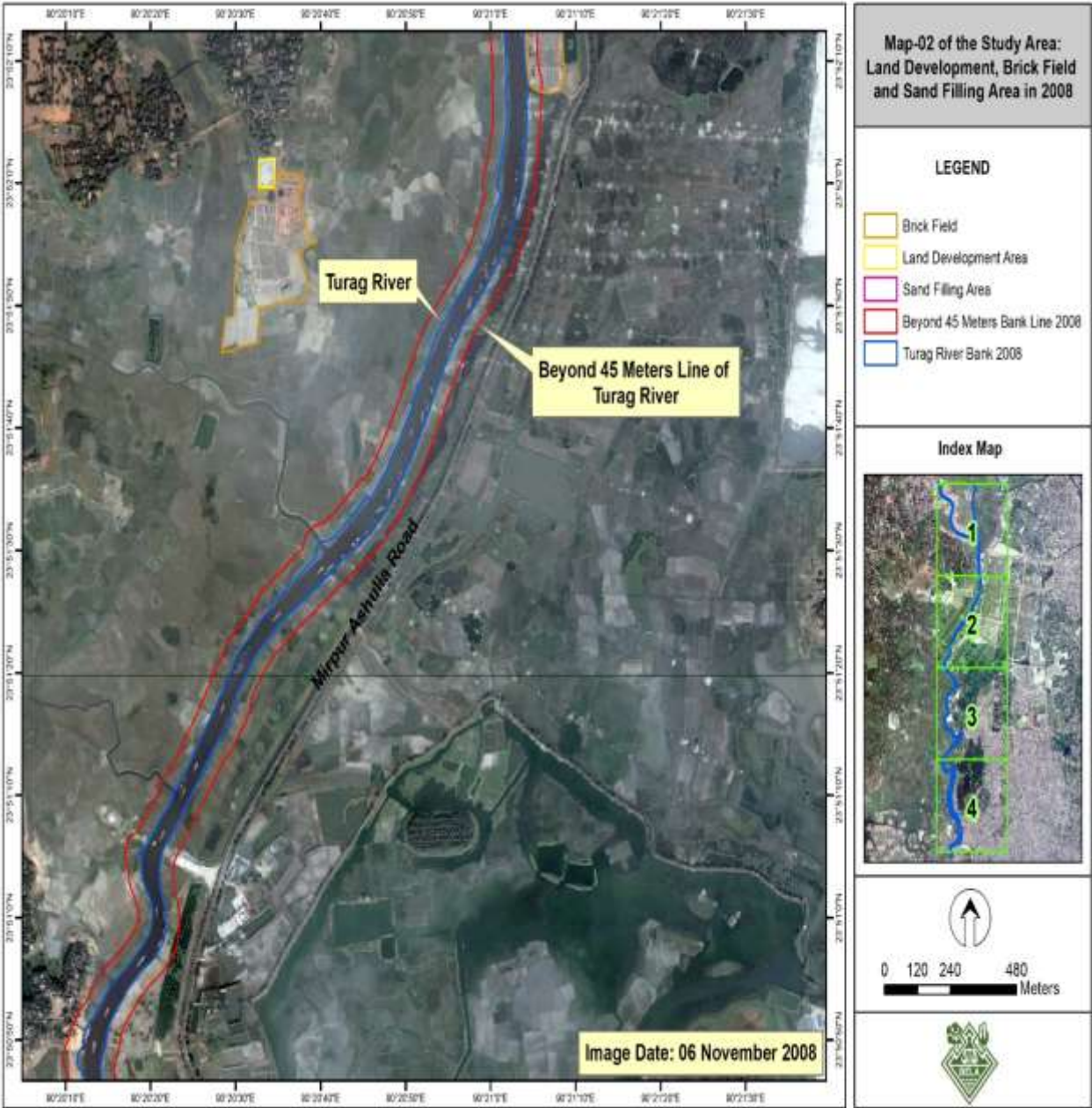
Map-01 of the Study Area: Land Development, Brick Field and Sand Filling Area in 2008



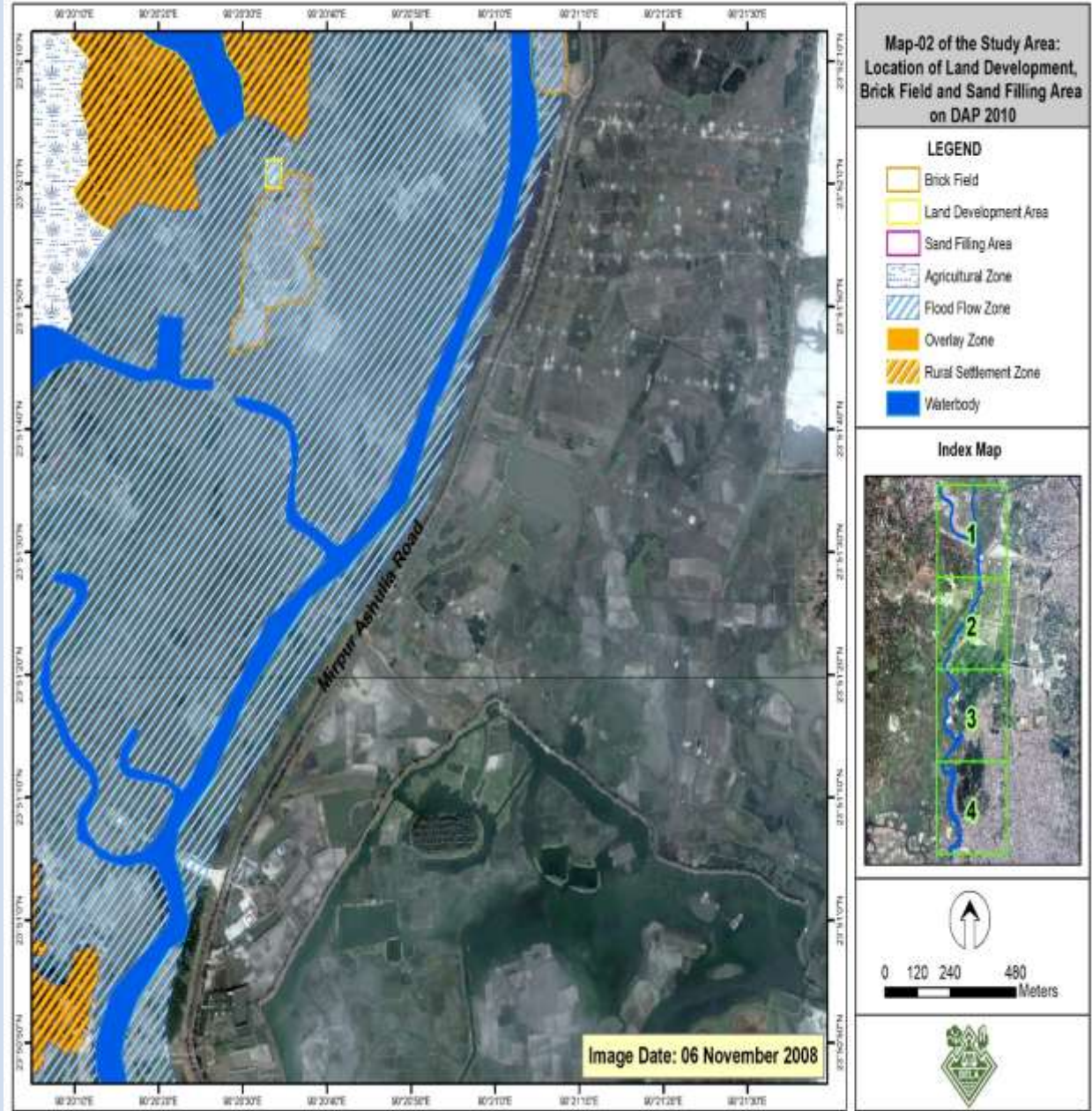
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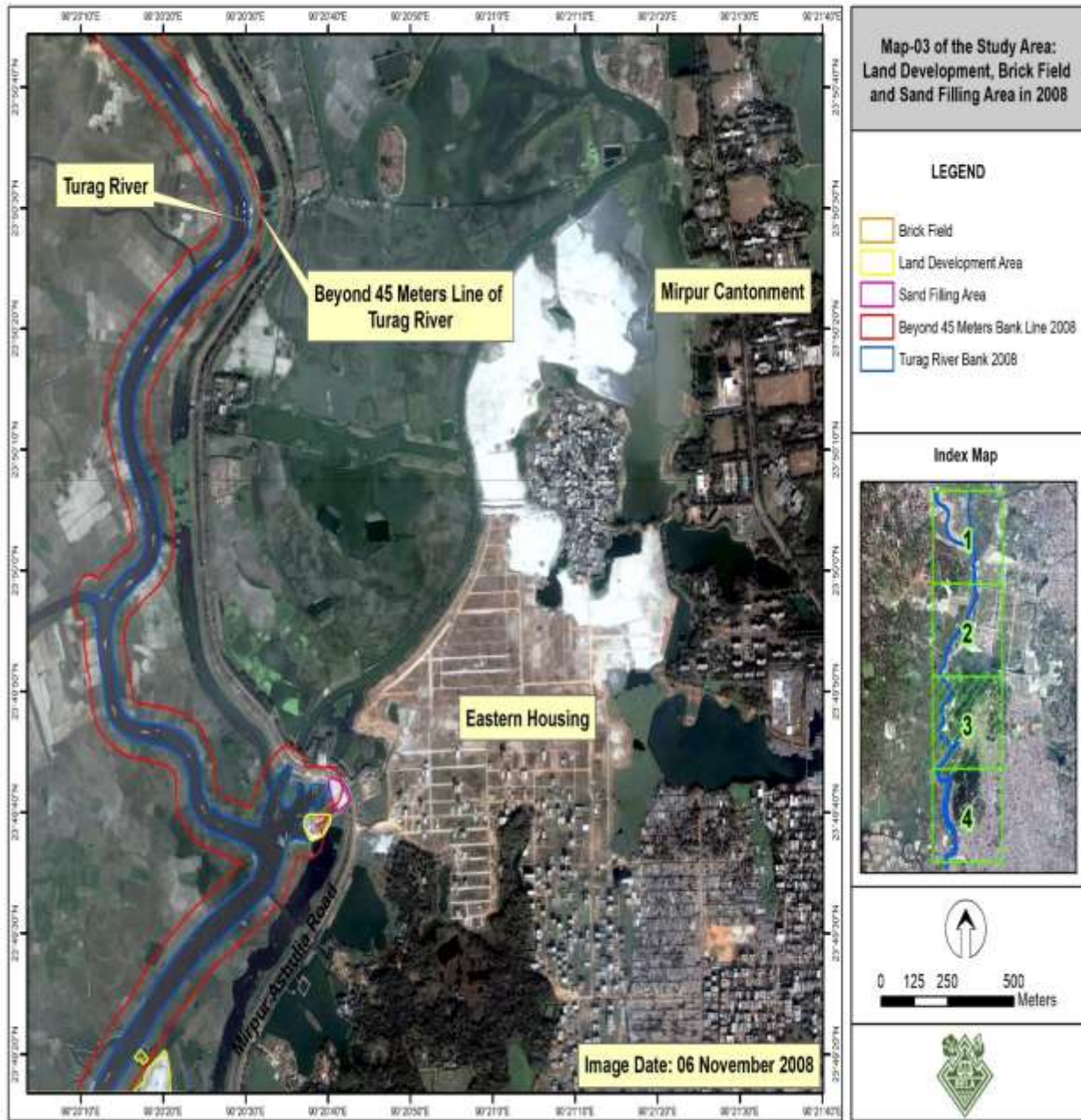
Map-02 of the Study Area: Land Development, Brick Field and Sand Filling Area in 2008



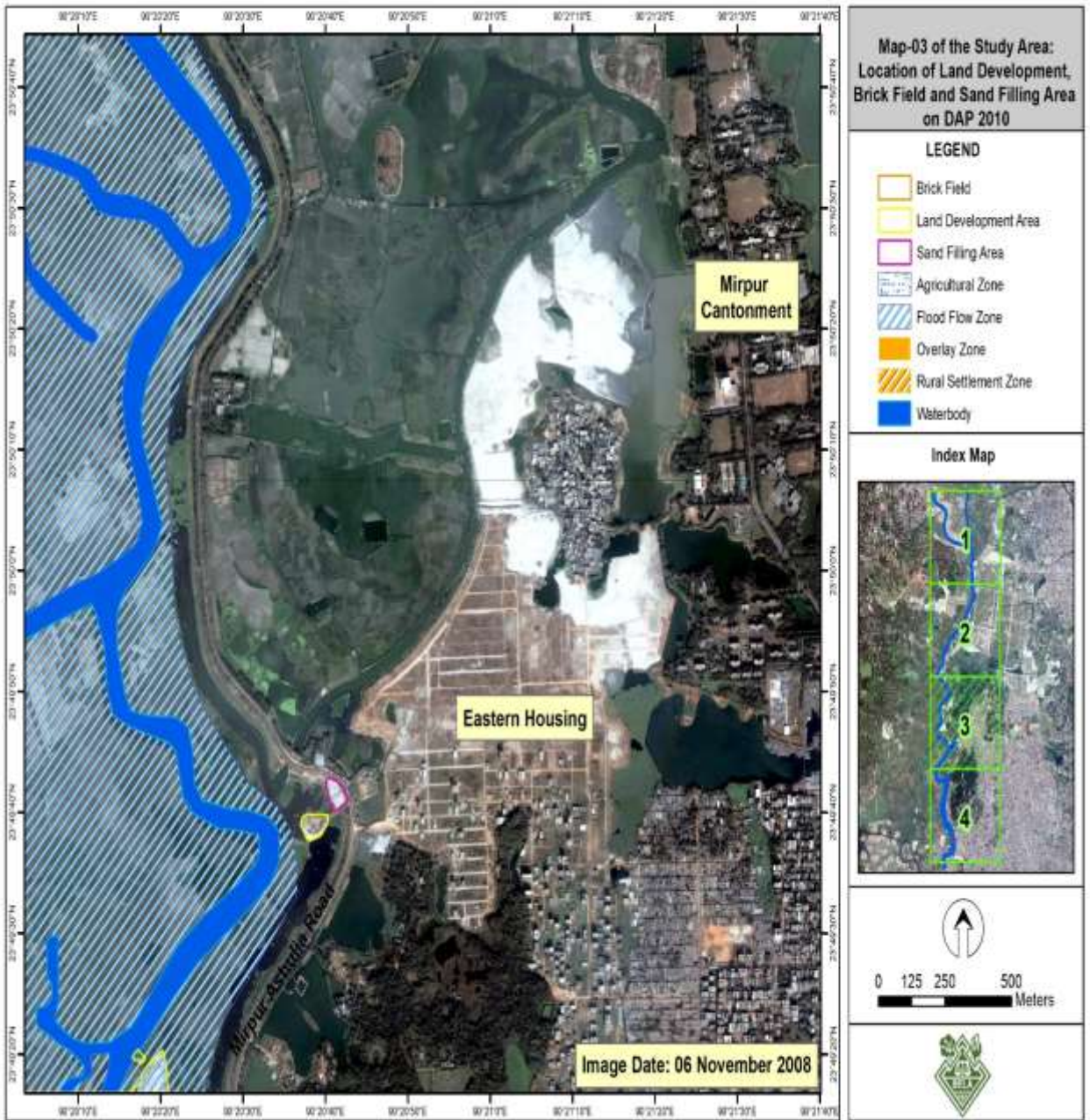
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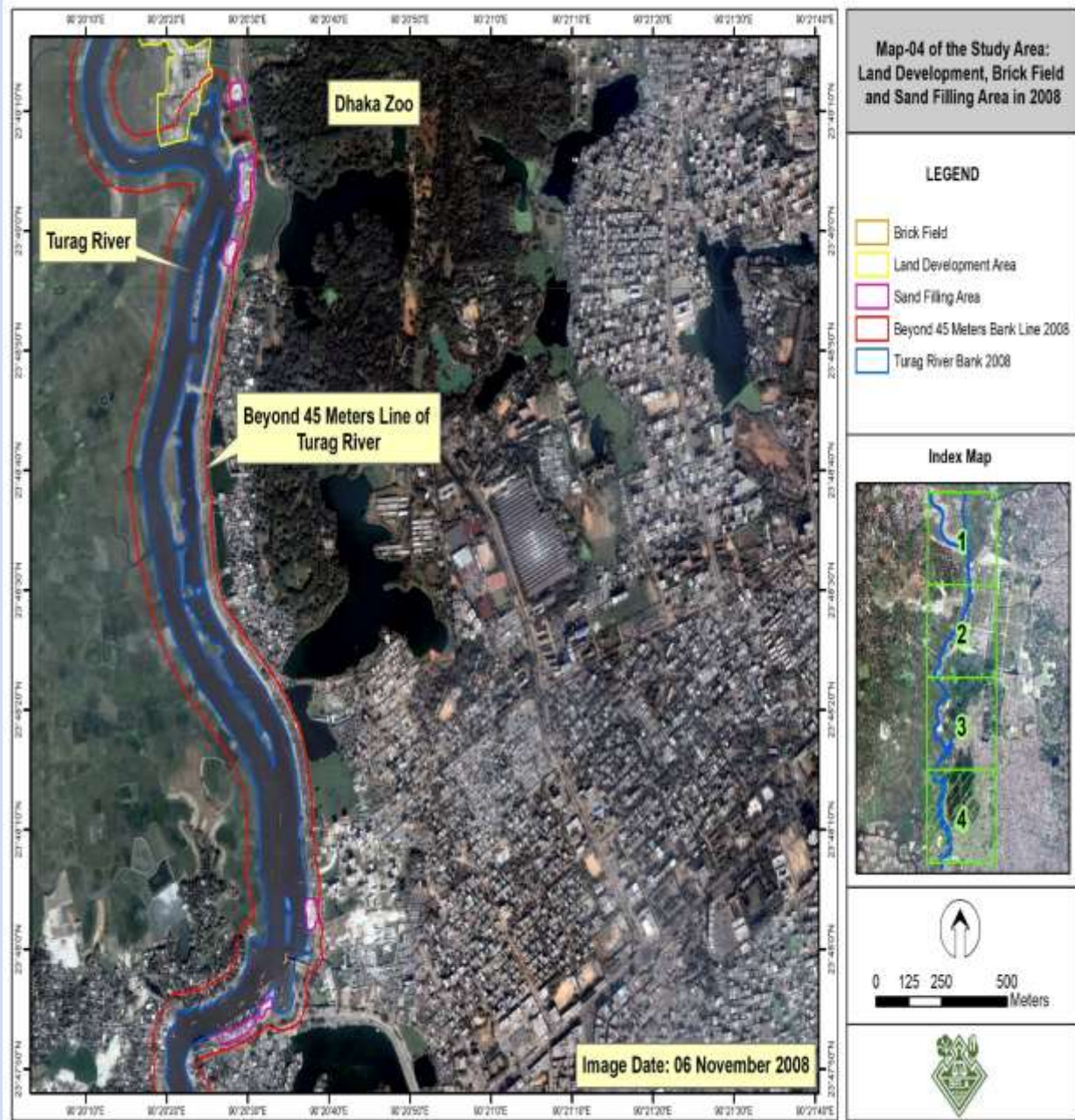
Map-03 of the Study Area: Land Development, Brick Field and Sand Filling Area in 2008



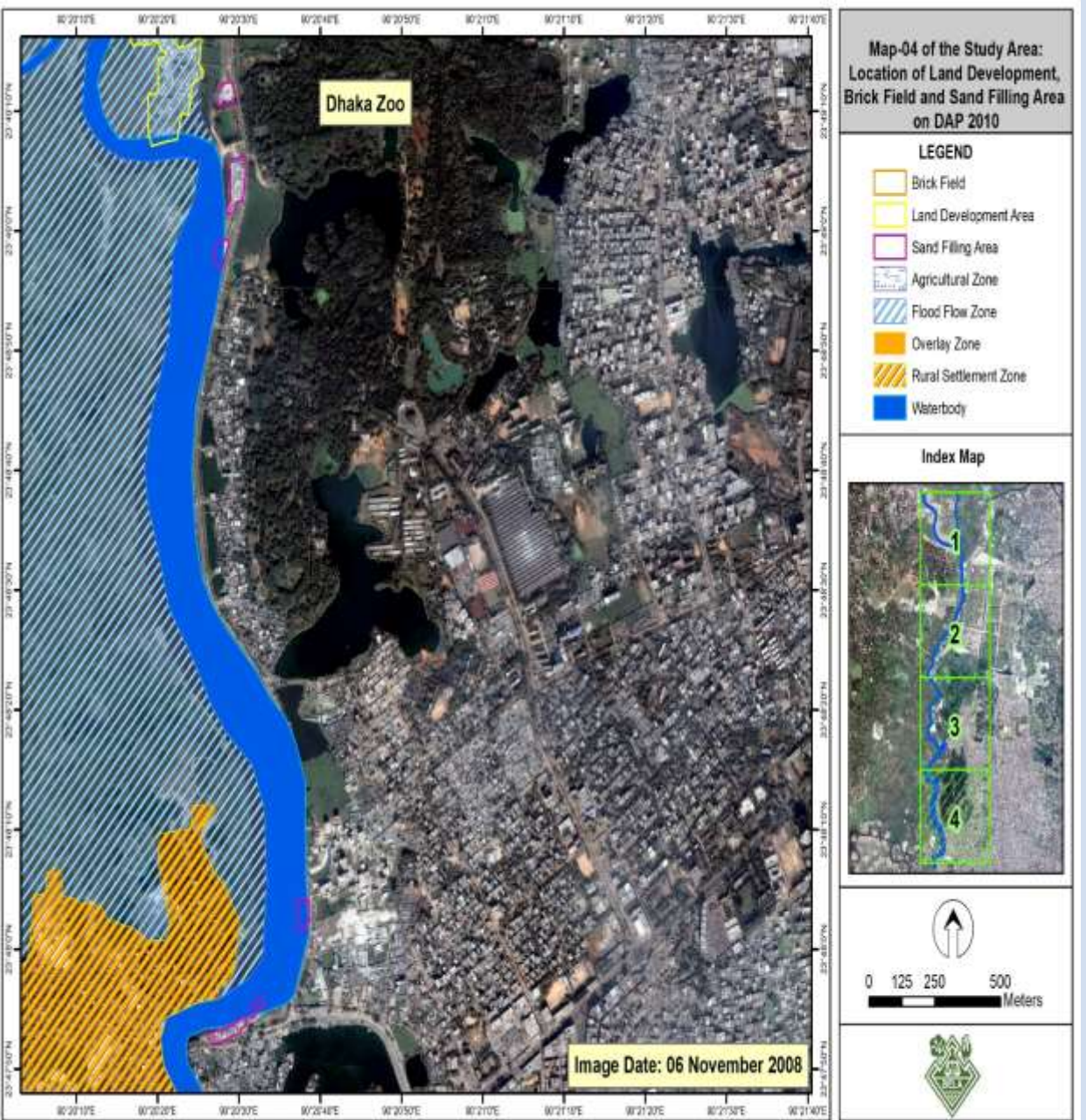
Map-03 of the Study Area: Location of Land Development, Brick Field and Sand Filling Area on DAP 2010



Map-04 of the Study Area: Land Development, Brick Field and Sand Filling Area in 2008



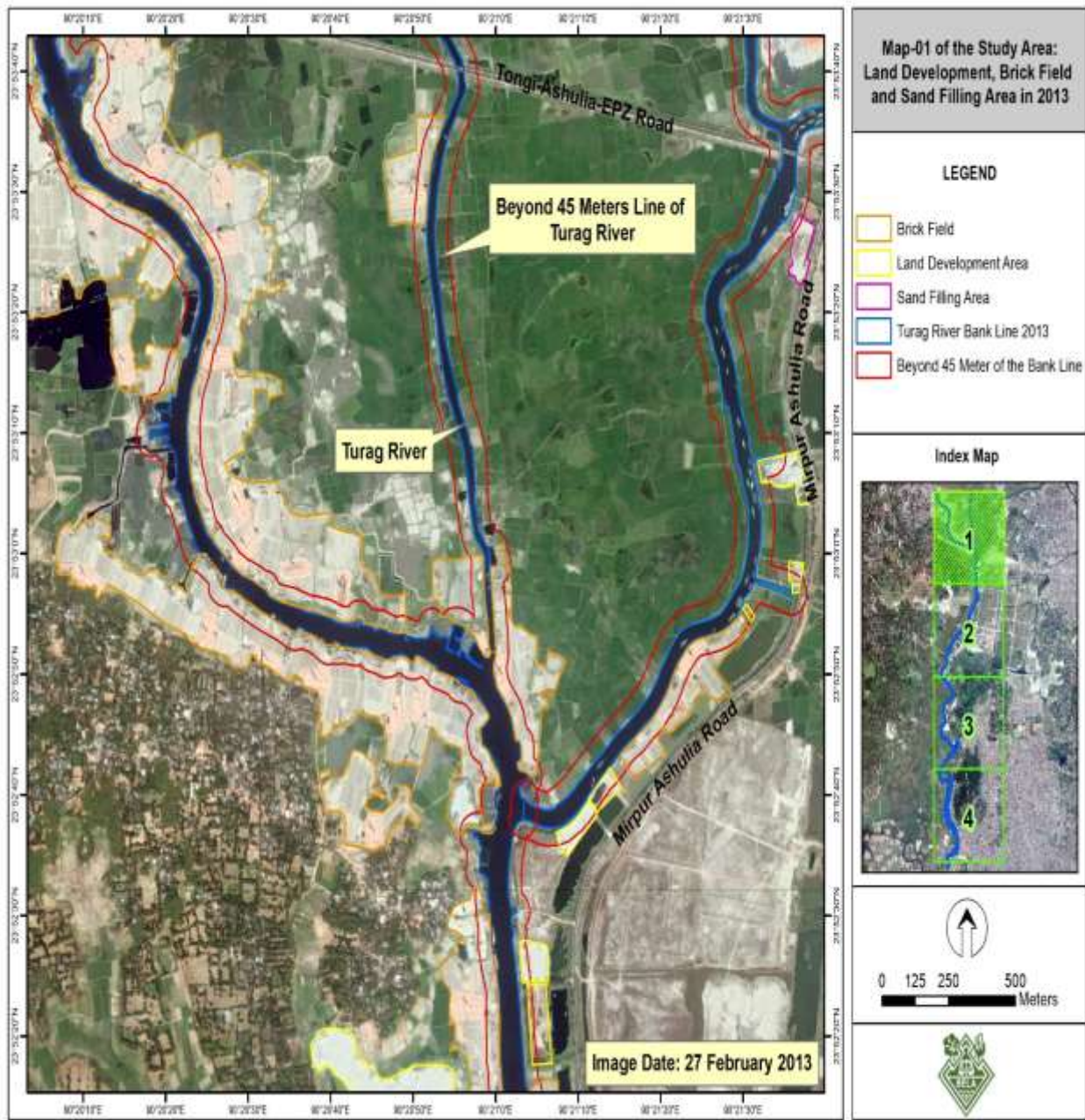
Map-04 of the Study Area: Location of Land Development, Brick Field and Sand Filling Area on DAP 2010



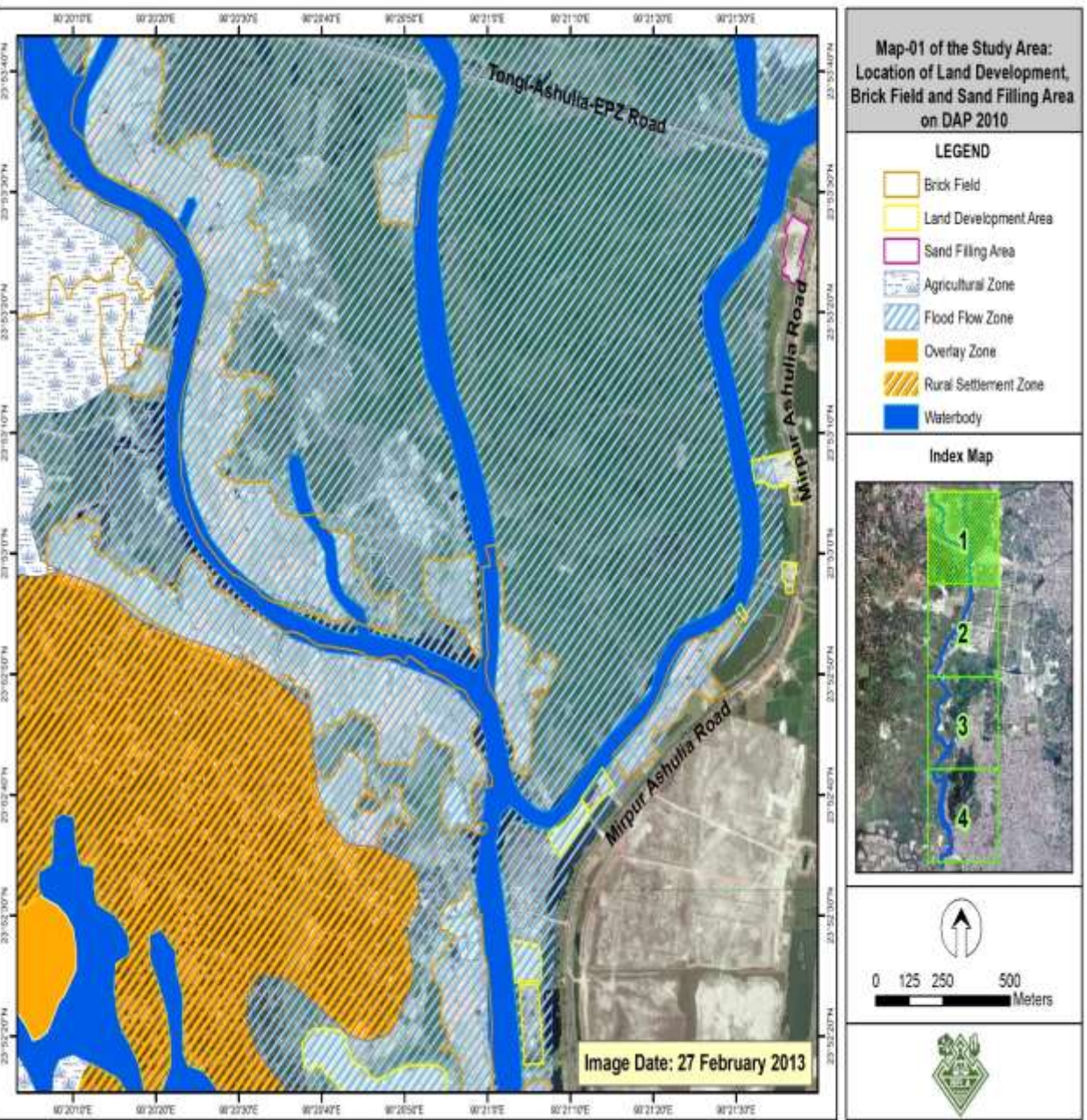
Identified Development Activities 2008

SL No	Type of Development Activities	Number of Development Activities	Area of Development Activities (Acres)	Mauza Name
1	Land Development	9	21	Botanical Garden, Deul, Dhaka Zoo, Diabari, Goran Chotbari, Gram Bhatua, Tilargati
2	Sand Filling	7	6	Botanical Garden, Dhaka Zoo, Second Colony, Uttar Bishil-khai, Zohurabad
3	Brick Field	13	150	Bara Paragaon, Chak Basaid, Chhota Kakar, Deul, Diabari, Gram Bhatua
Grand Total		29	177	

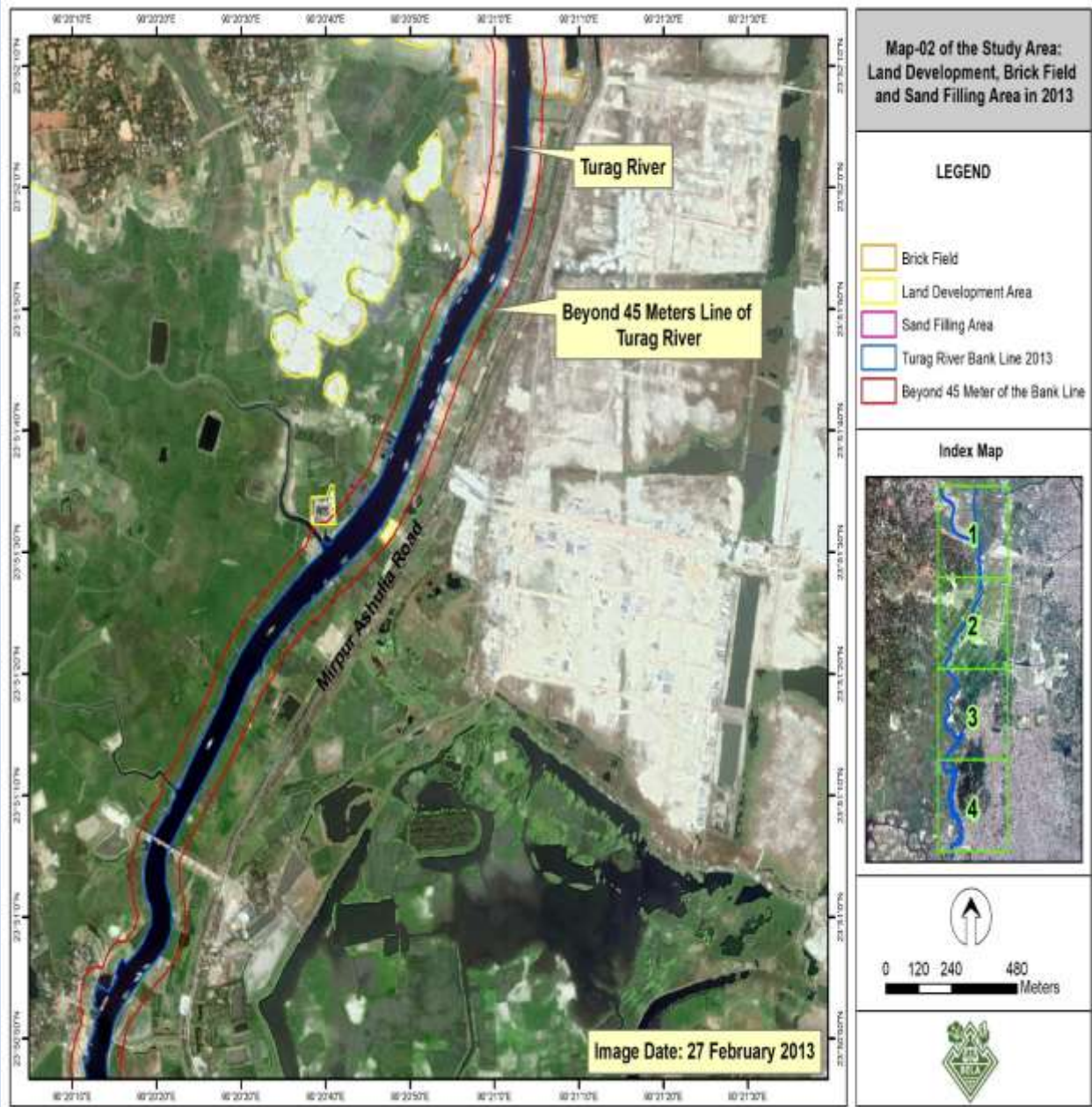
Map-01 of the Study Area: Land Development, Brick Field and Sand Filling Area in 2013



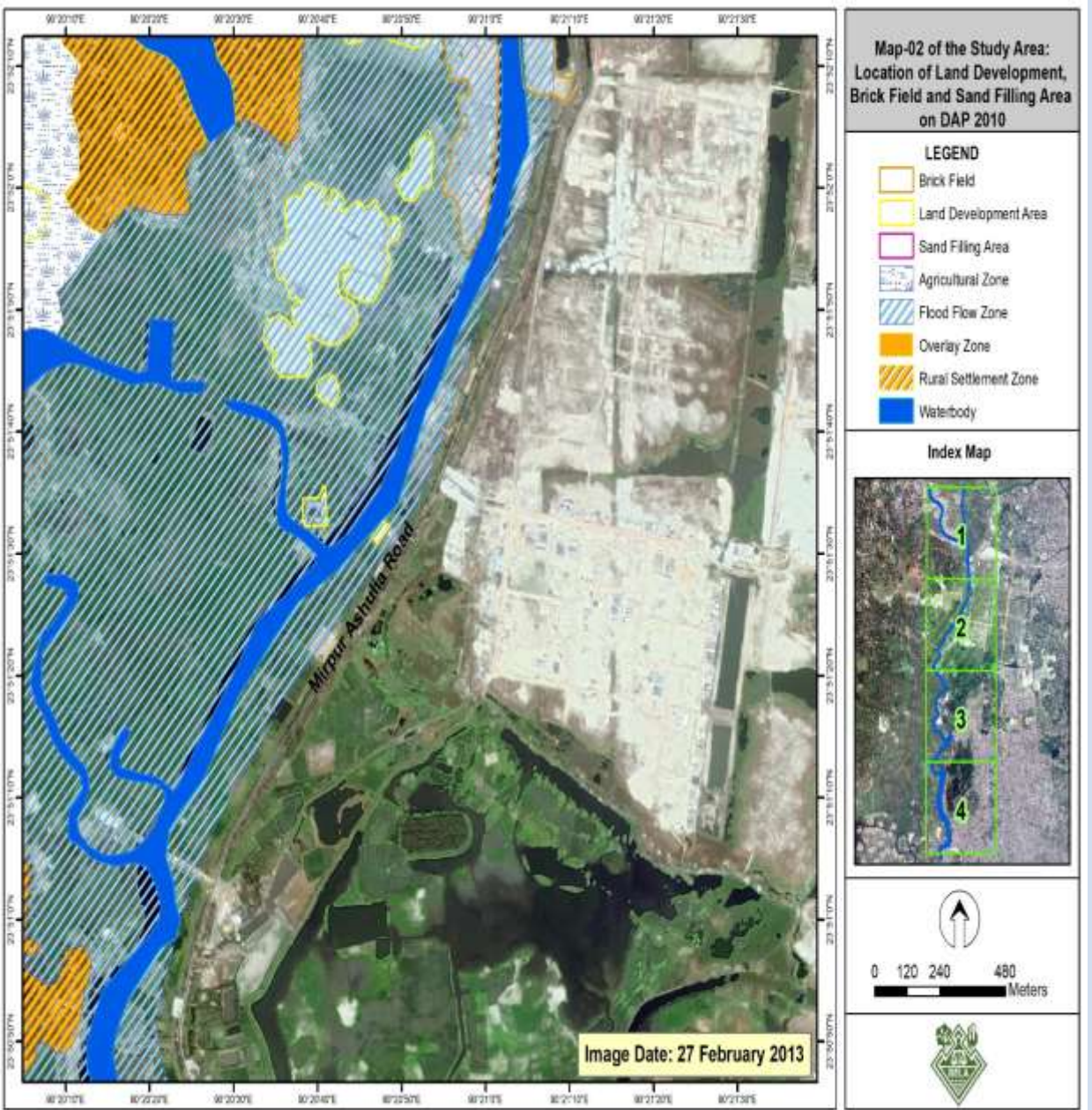
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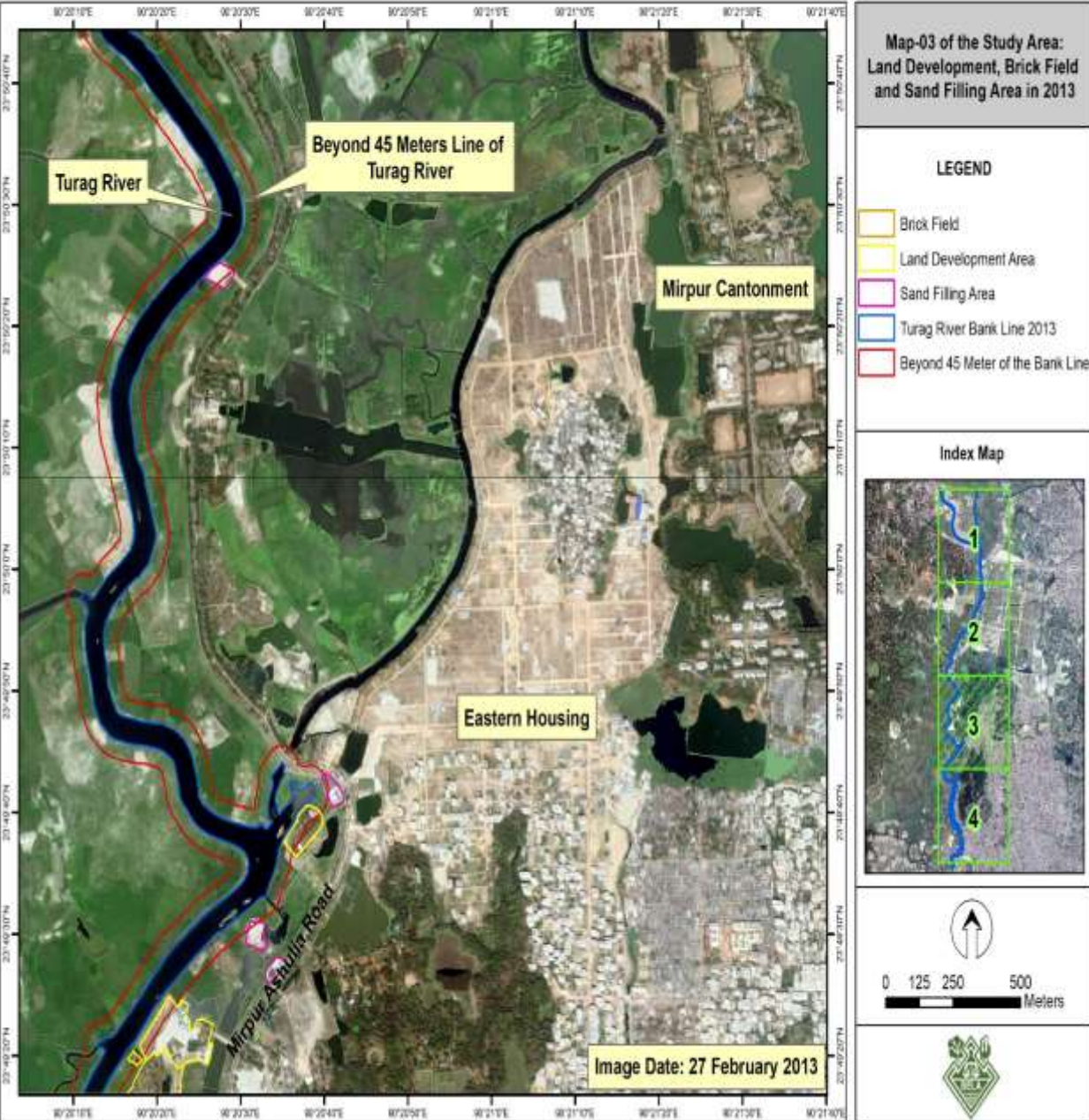
Map-02 of the Study Area: Land Development, Brick Field and Sand Filling Area in 2013



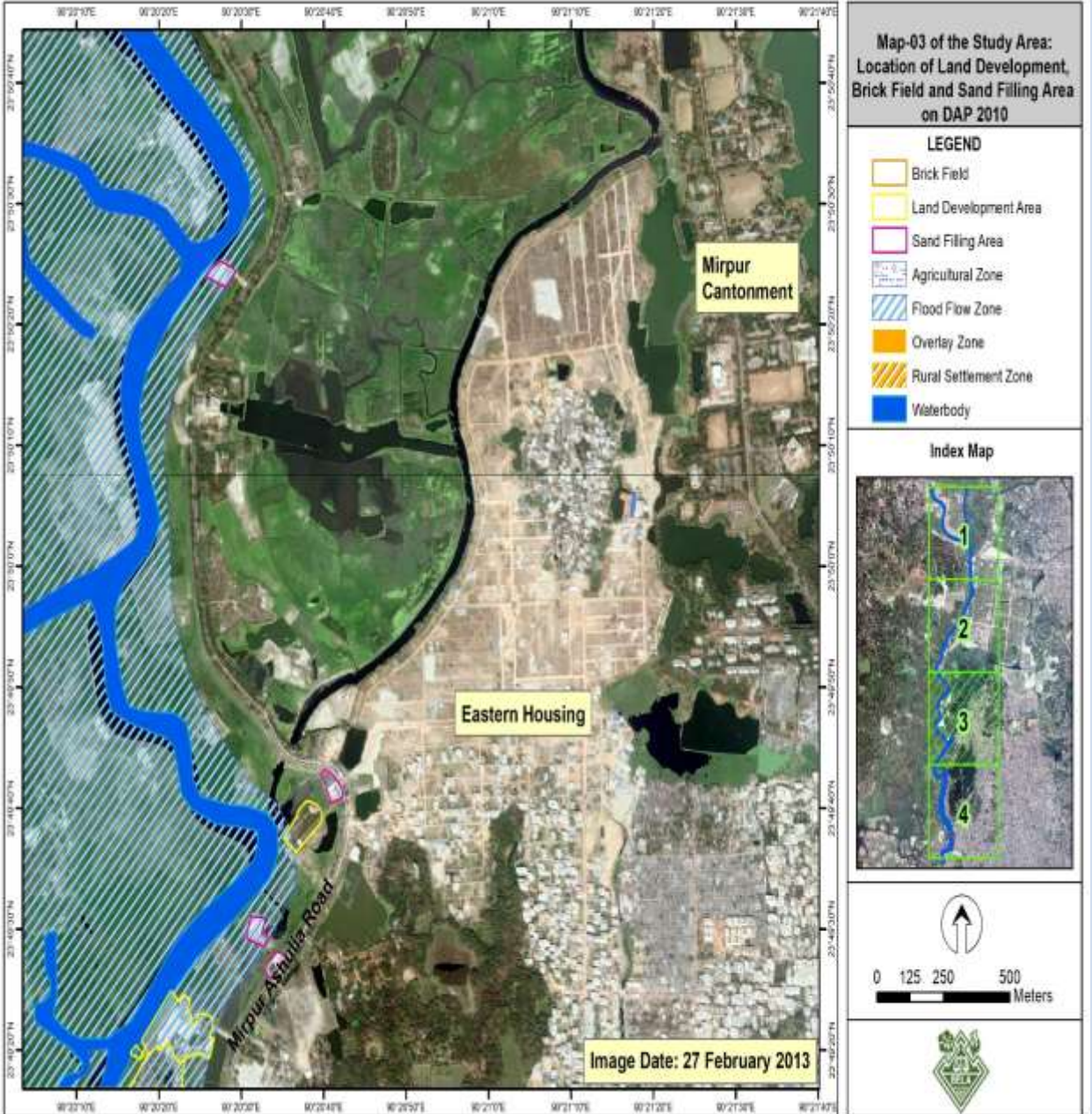
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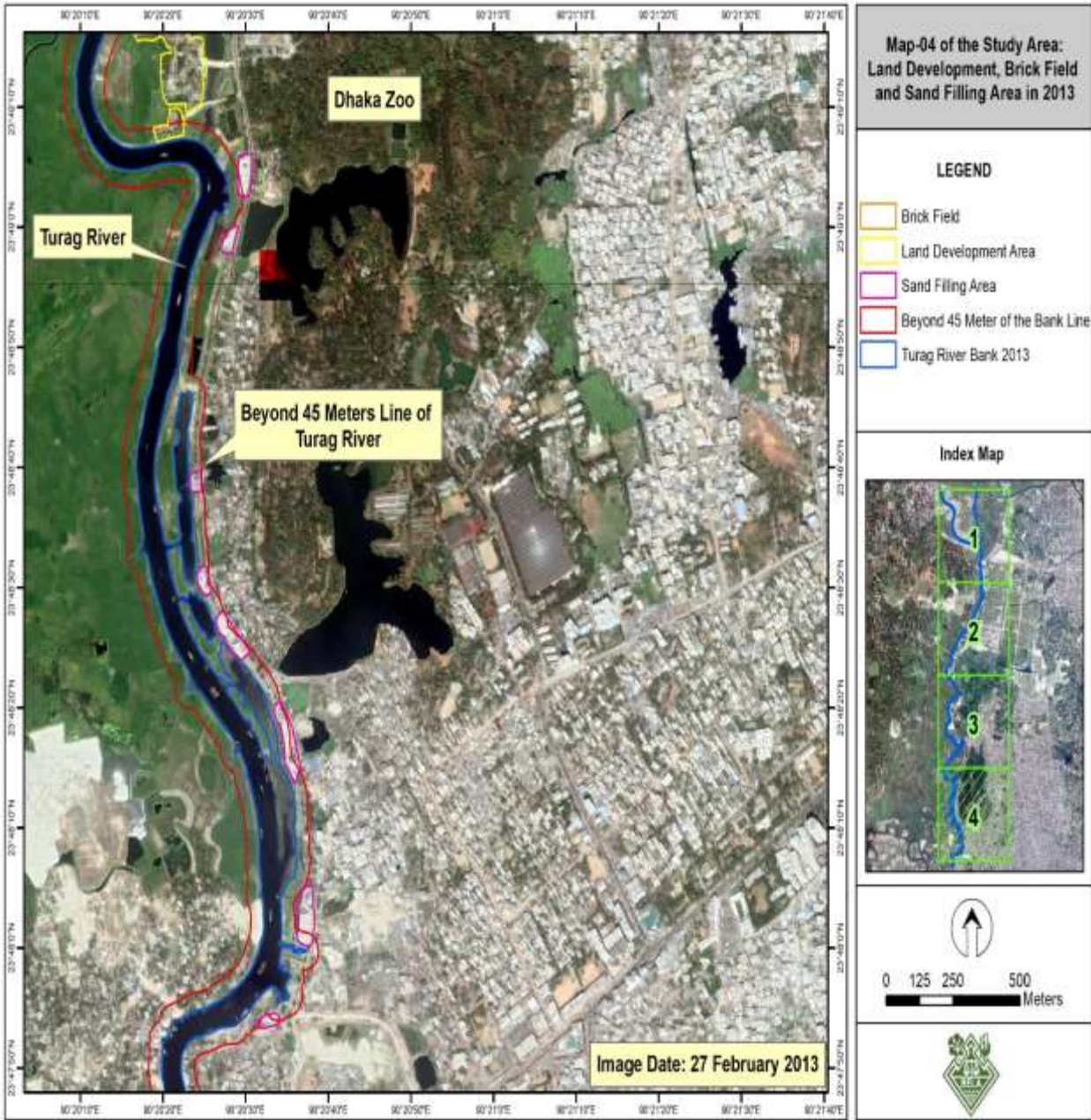
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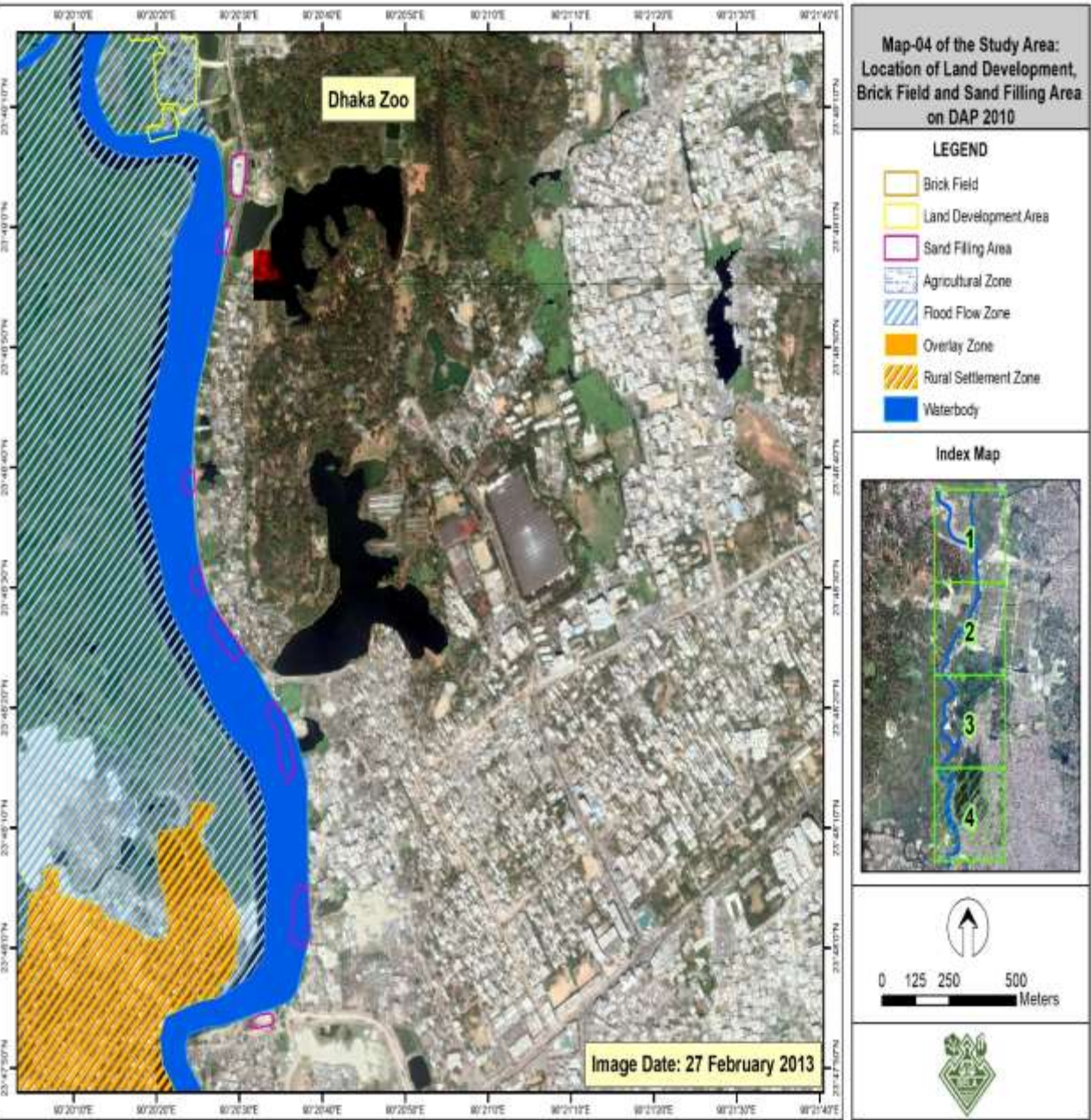
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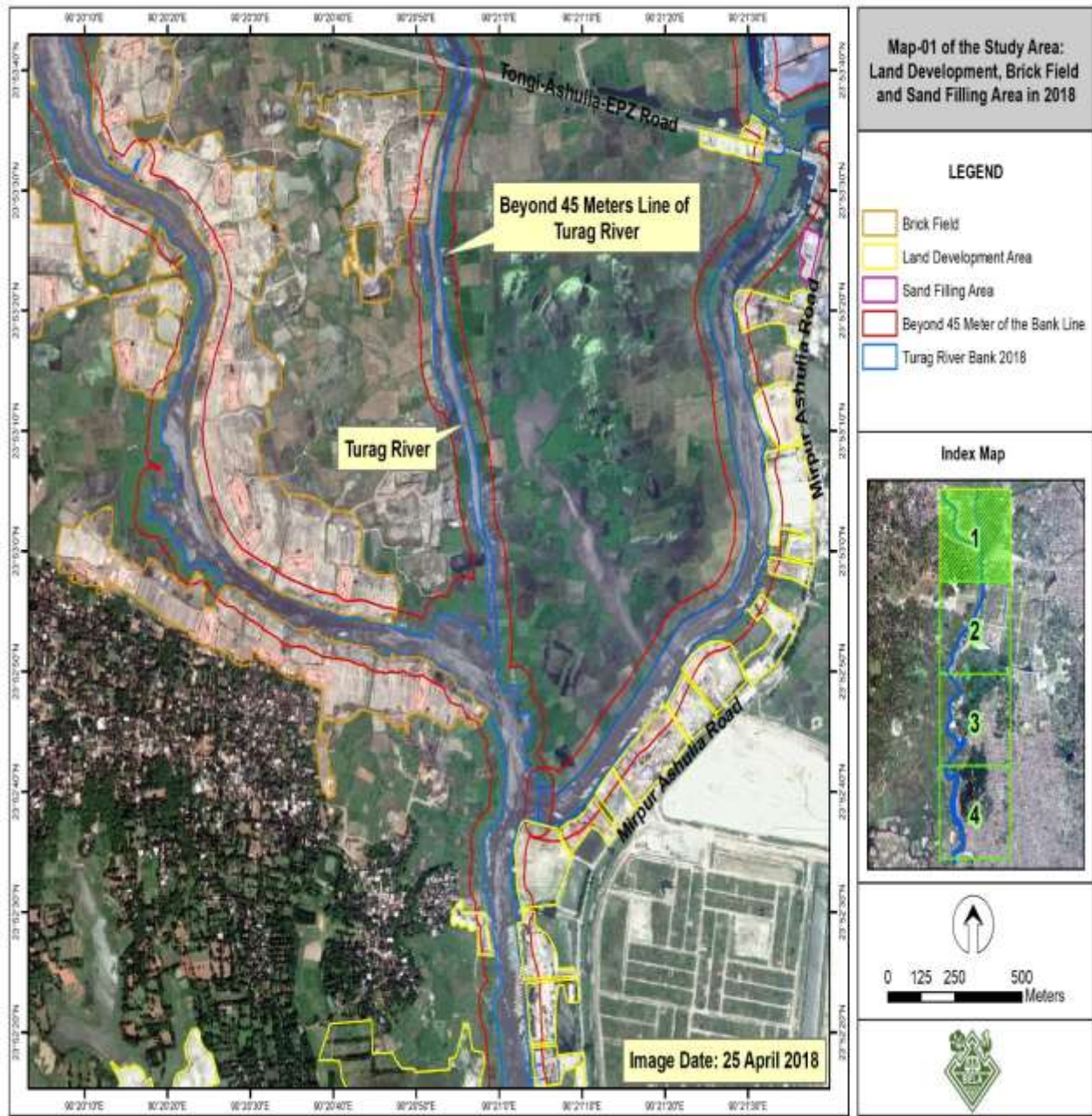
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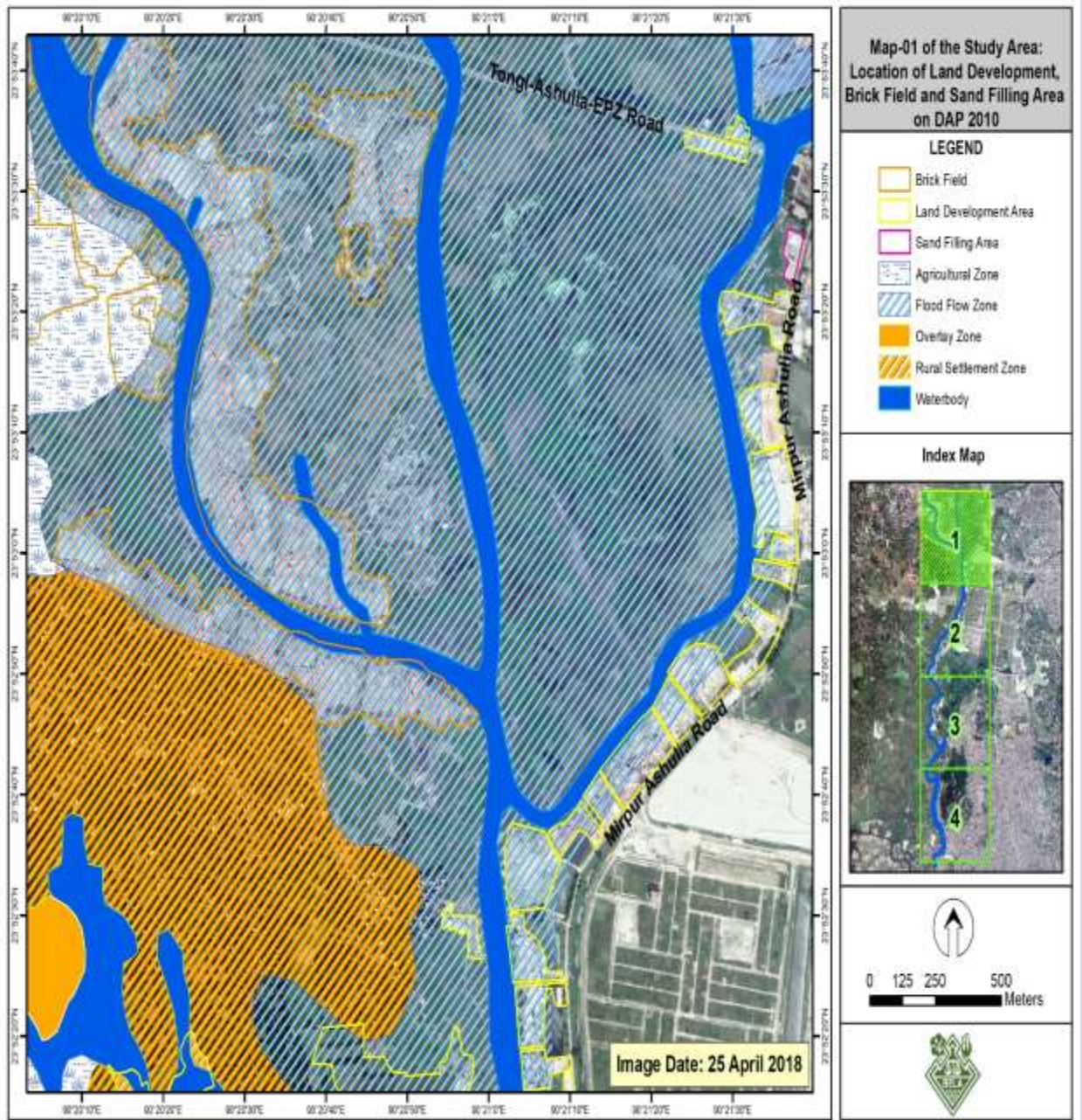
Identified Development Activities 2013

SL No	Type of Development Activities	Number of Development Activities	Area of Development Activities (Acres)	Mauza Name
1	Land Development	19	93	Bara Kakar, Botanical Garden, Deul, Dhaka Zoo, Diabari, Goran Chotbari, Gram Bhatua, Tilargati
2	Sand Filling	13	14	Ashutia, Botanical Garden, Dhaka Zoo, Diabari, Mirpur Sec-1 (block-d), Nawaber Bagh, Second Colony, Uttar Bishil-khai, Zohurabad
3	Brick Field	24	316	Bakral, Bara Paragaon, Chak Basaid, Chhota Kakar, Chitrasail, Deul, Diabari, Gram Bhatua, Rustampur, Tilargati
Grand Total		56	423	

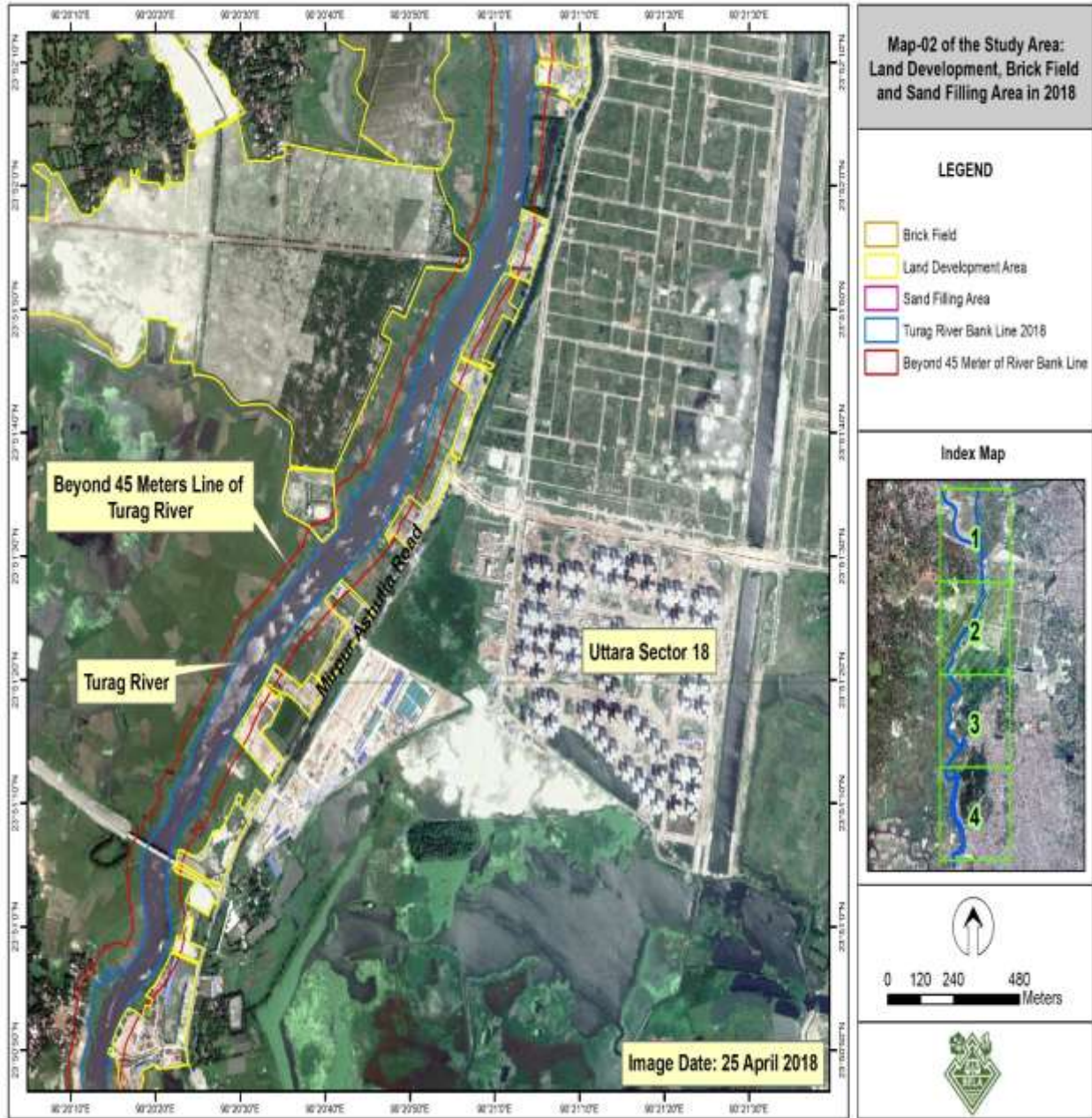
Map-01 of the Study Area: Land Development, Brick Field and Sand Filling Area in 2018



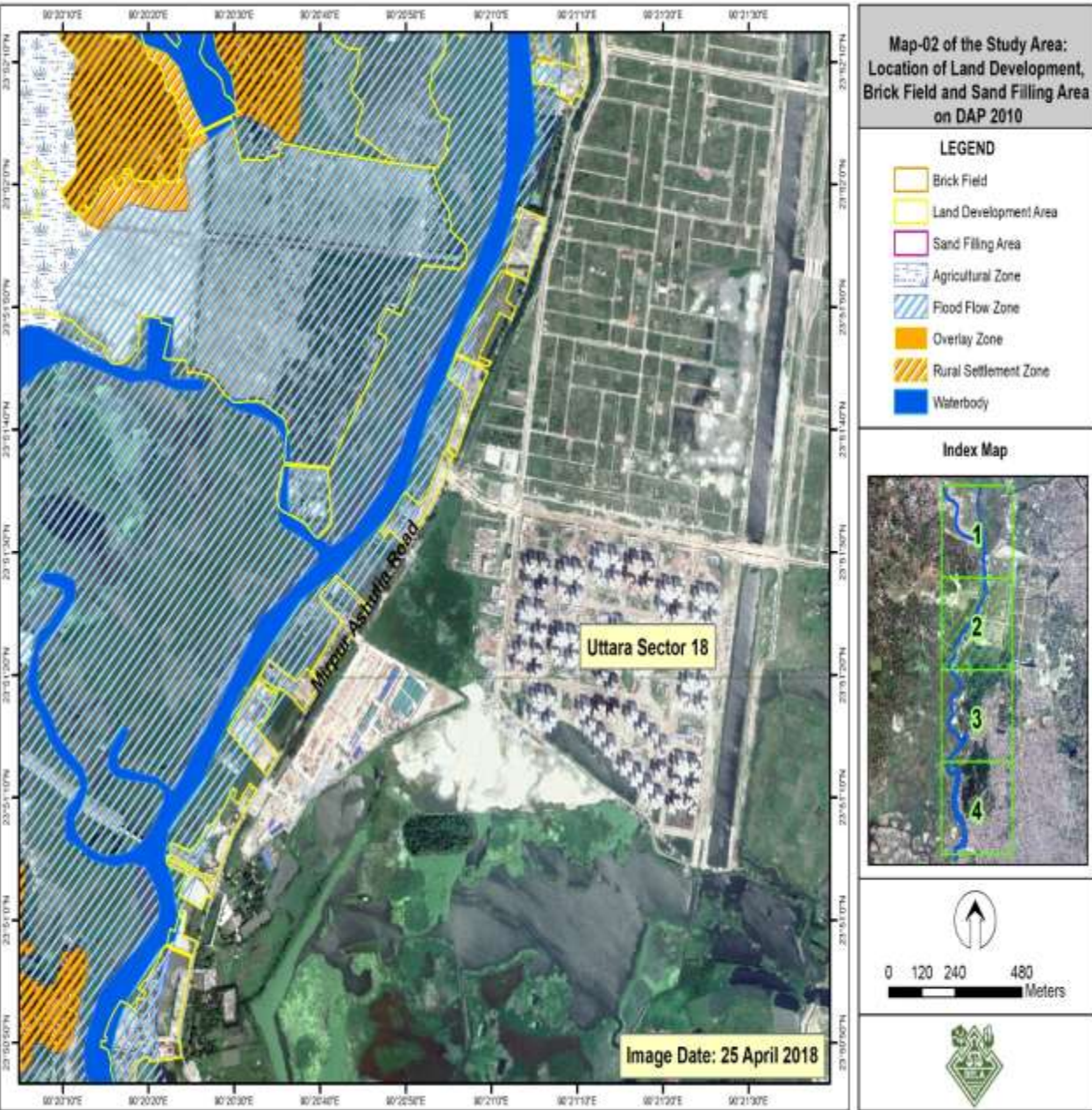
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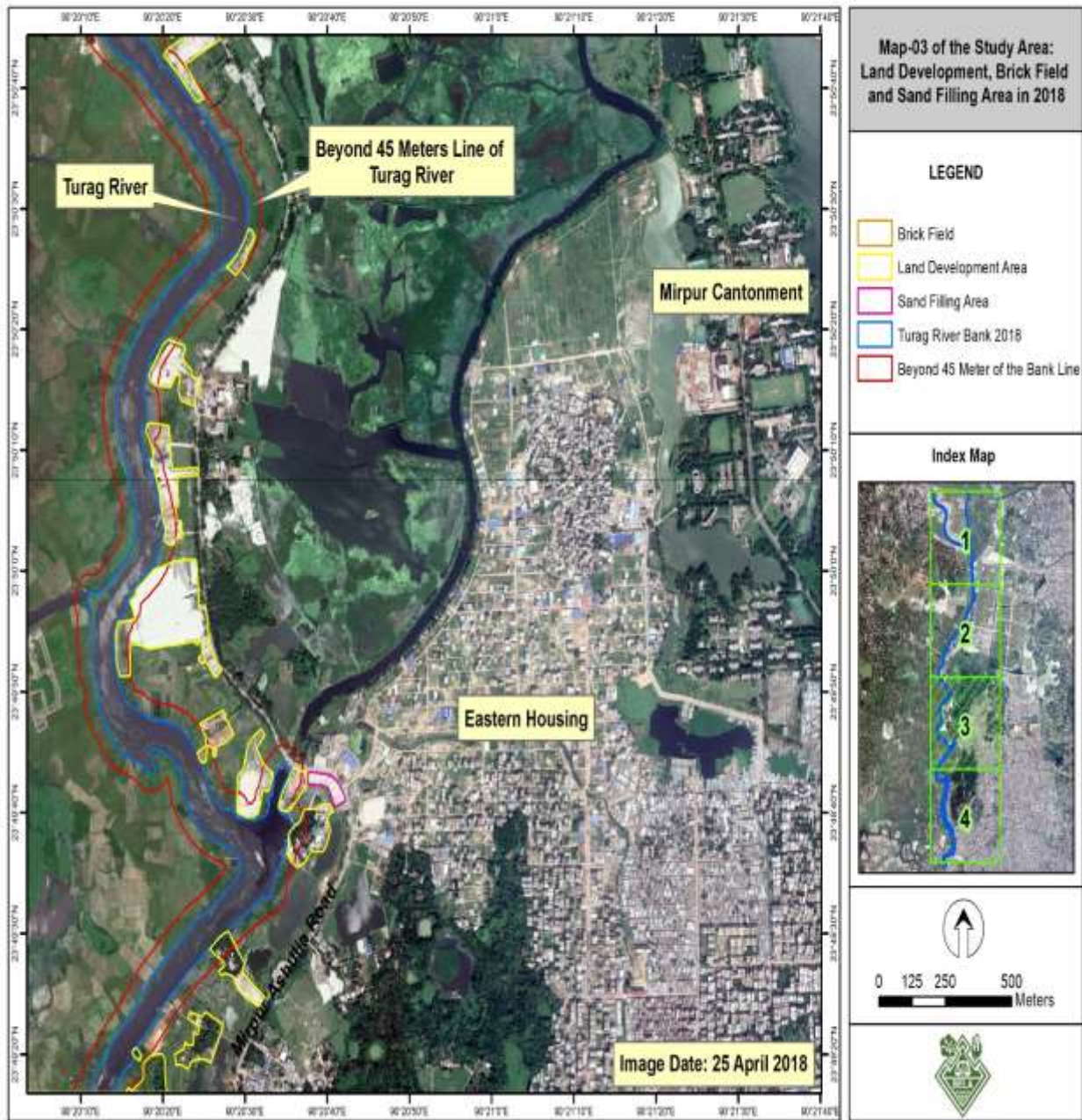
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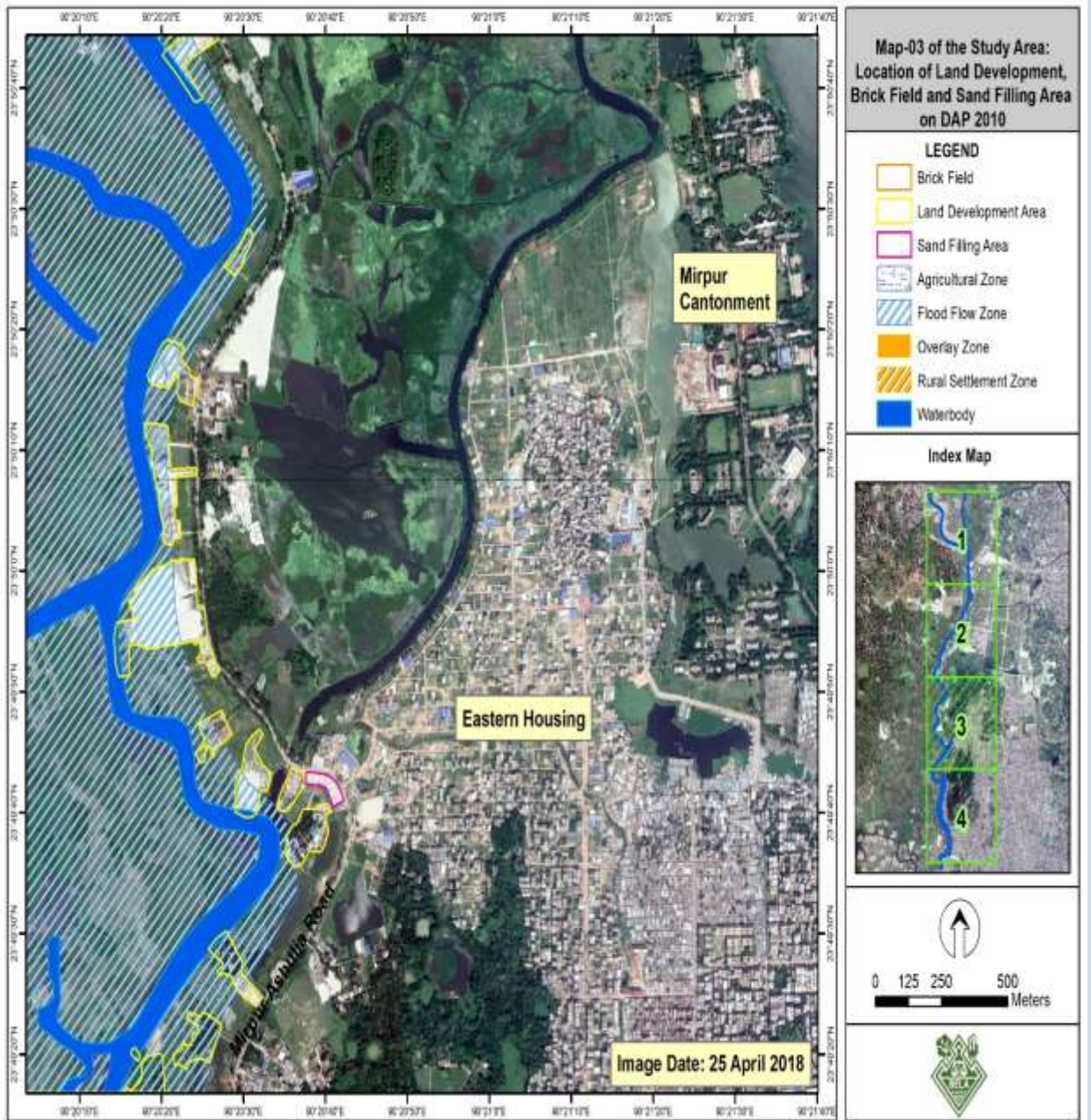
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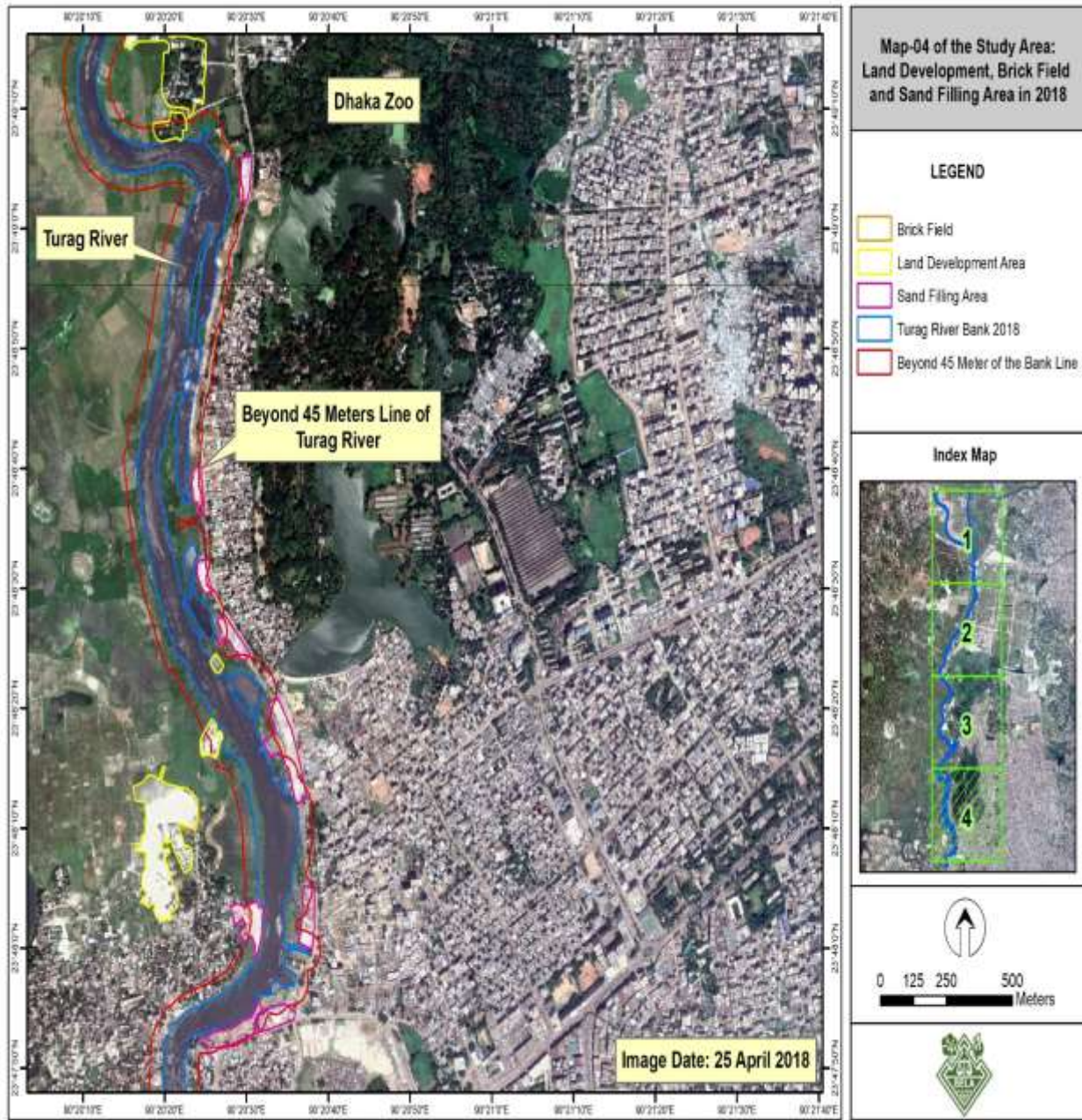
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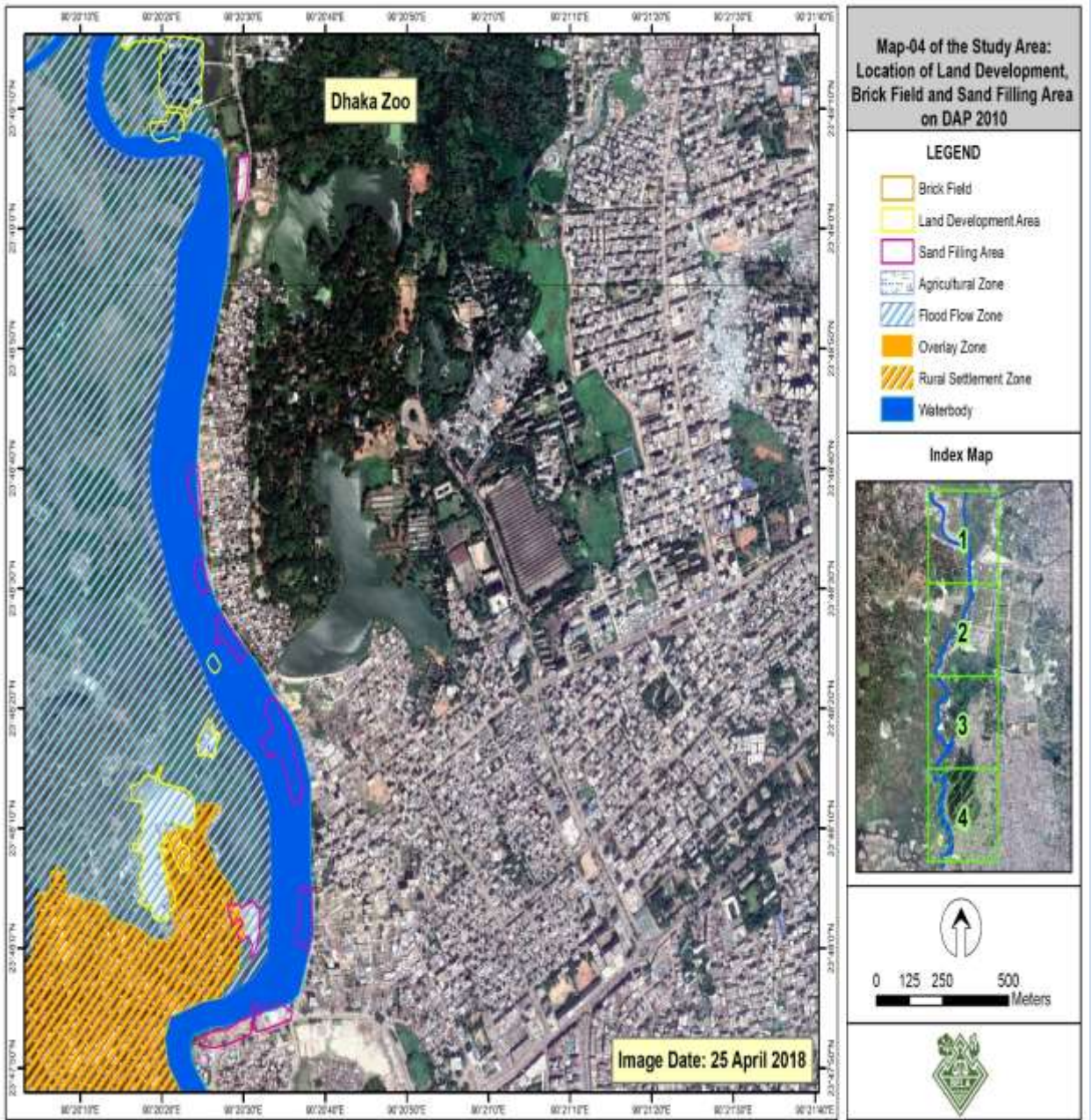
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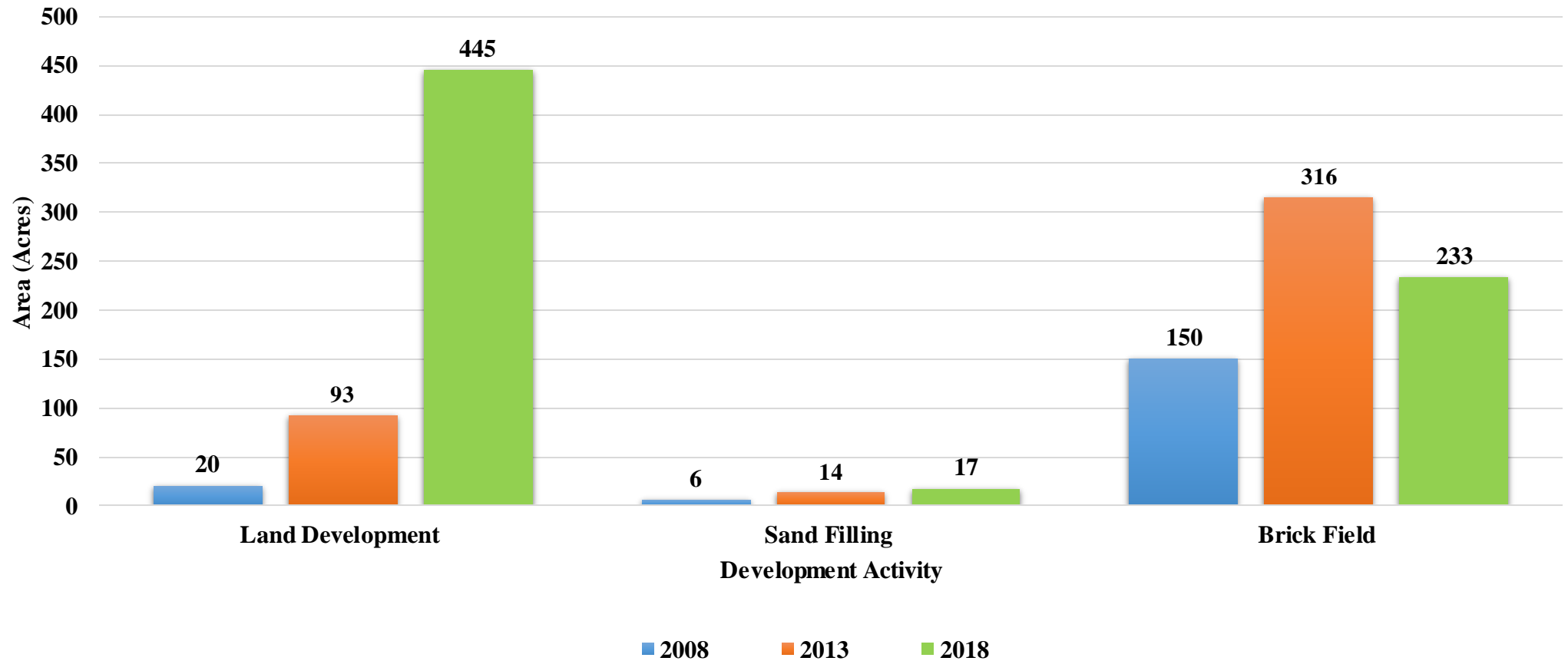
Map-04 of the Study Area: Location of Land Development, Brick Field and Sand Filling Area on DAP 2010



Identified Development Activities 2018

SL No	Type of Development Activities	Number of Development Activities	Area of Development Activities (Acres)	Mauza Name
1	Land Development	50	445	Ashutia, Bagsatra, Bara Kakar, Botanical Garden, Deul, Dhaka Zoo, Diabari, Goran Chotbari, Gram Bhatua, Mirpur Sec-1 (block-d), Nalbhog, Saipara, Tilargati, Uttar Bishil-kha, Uttar Kaundia
2	Sand Filling	11	17	Ashutia, Botanical Garden, Dhaka Zoo, Mirpur Sec-1 (block-d), Mirpur Sec-1 (block-h), Nawaber Bagh, Second Colony, Uttar Bishil-khai, Zohurabad
3	Brick Field	21	233	Bakral, Bara Paragaon, Chak Basaid, Chhota Kakar, Chitrasail, Deul, Diabari, Rustampur, Tilargati
Grand Total		82	695	

The Area of Development Activities over the years



Development activities along the Turag River



Name of Development Activity in 2018

Type of Development Activity	Owner of the Development Activities	Area (Acres)	Mauza Name
Land Development	ABC Ready Mix	5.06	Diabari
	Akij Ready Mix	4.41	Ashutia, Nalbhog, Gram Bhatua
	Amin Mohammad Group	21.49	Saipara, Deul
	Amin Mohammad Group	176.99	Saipara, Deul, Bara Kakar
	Biswas Builders Ltd.	44.46	Deul
	Crown Ready Mix	4.36	Deul
	JTEG Ready Mix	8.12	Deul
	K-Mix	14.05	Diabari, Goran Chatbari

Name of Development Activity in 2018

Type of Development Activity	Owner of the Development Activities	Area (Acres)	Mauza Name
Land Development	M/S Alif & Appearls	4.21	Deul, Diabari
	Maisha Construction (Pvt) Ltd.	3.92	Goran Chatbari
	Mir Akter & Seven Ring Ready Mix	13.7	Diabari
	NDE Ready Mix	7.64	Diabari, Gram Bhatua, Tilargati
	NDE Ready Mix	4.47	Bara Kakar, Deul, Diabari
	Never Land Restaurant	1.47	Dhaka Zoo
	Shamim Group	8.99	Gram Bhatua, Nalbhog

Name of Development Activity in 2018

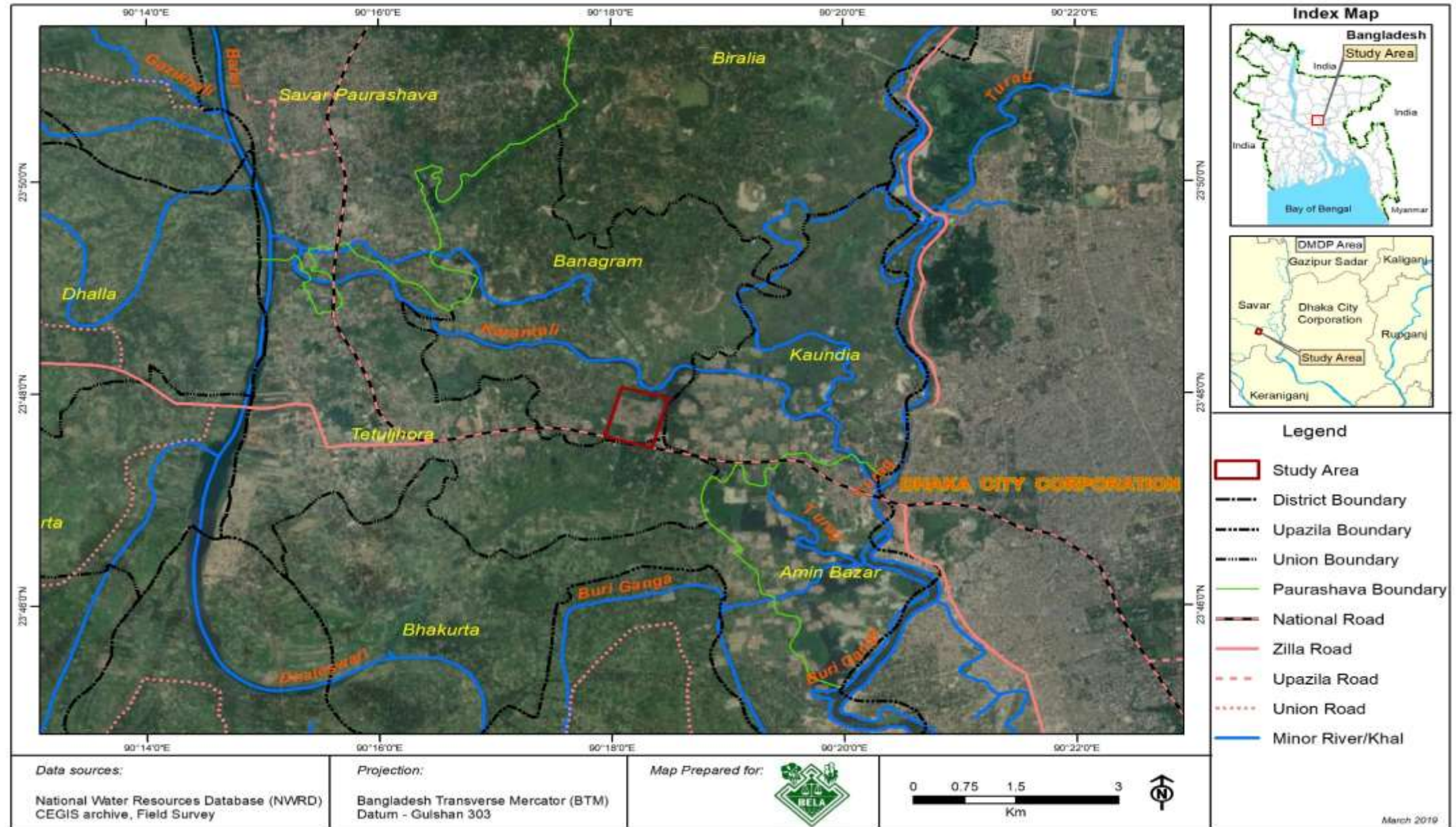
Type of Development Activity	Owner of the Development Activities	Area (Acres)	Mauza Name
Land Development	Singapore Garden Restaurant	2.89	Goran Chatbari, Botanical Garden
	Spectra Engineers Ltd.	2.98	Diabari
	Tamanna Family Park	3.83	Botanical Garden, Goran Chatbari
	Tamanna World Family Park	9.61	Botanical Garden, Dhaka Zoo, Uttar Kaundia
	TCL ASPHALT	5.91	Gram Bhatua
	Tex Europe BD	5.23	Diabari

Study 2:

Identification of Sanitary Dumping Site expansion at Aminbazar using
Time Series Satellite Images

Study Area

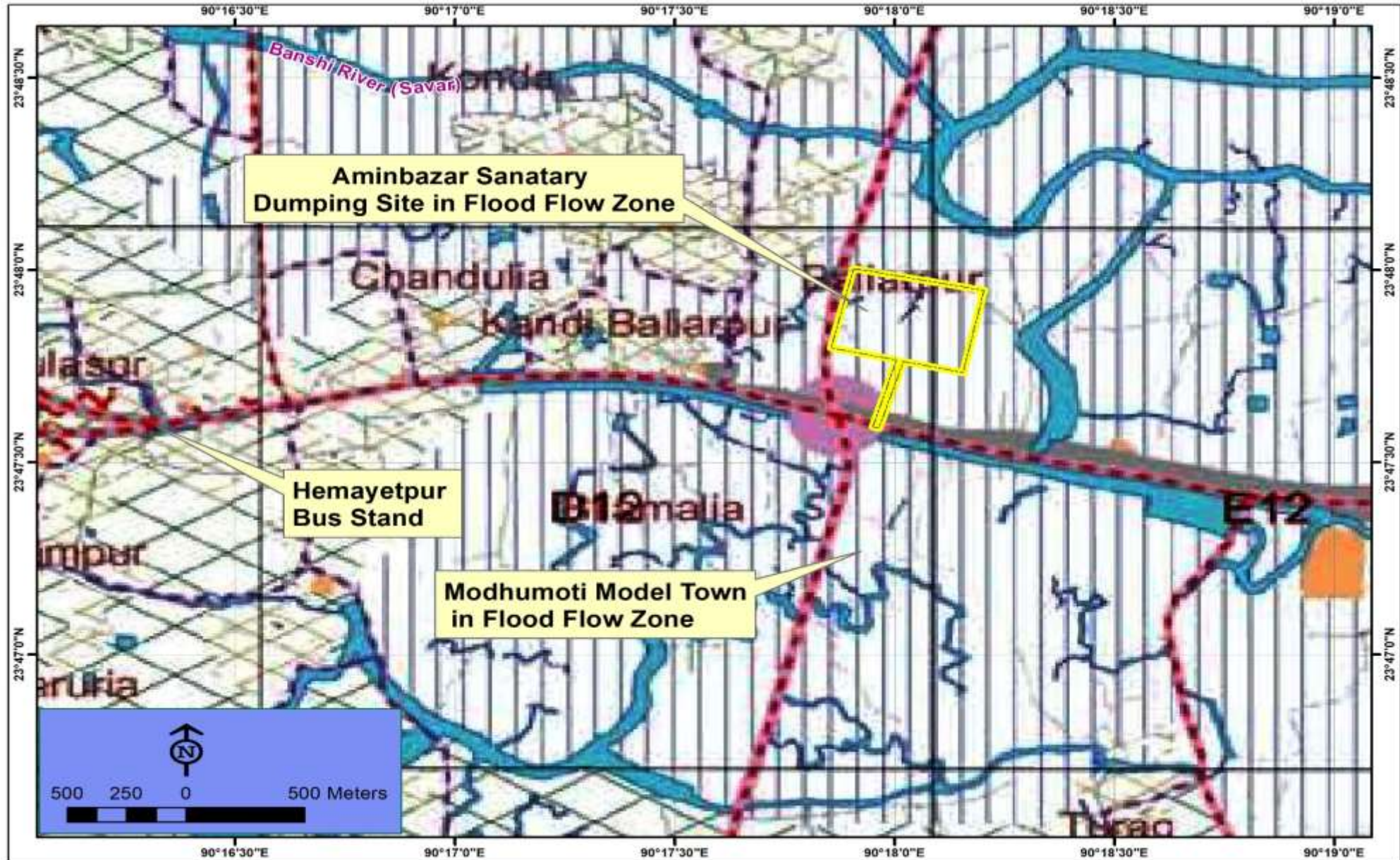
Study Area Map : Aminbazar Sanitary Dumping Site



The Status of Aminbazar Sanitary Dumping Site in 2004



Aminbazar Sanitary Dumping Site in the Flood Flow Zone of DAP 2010



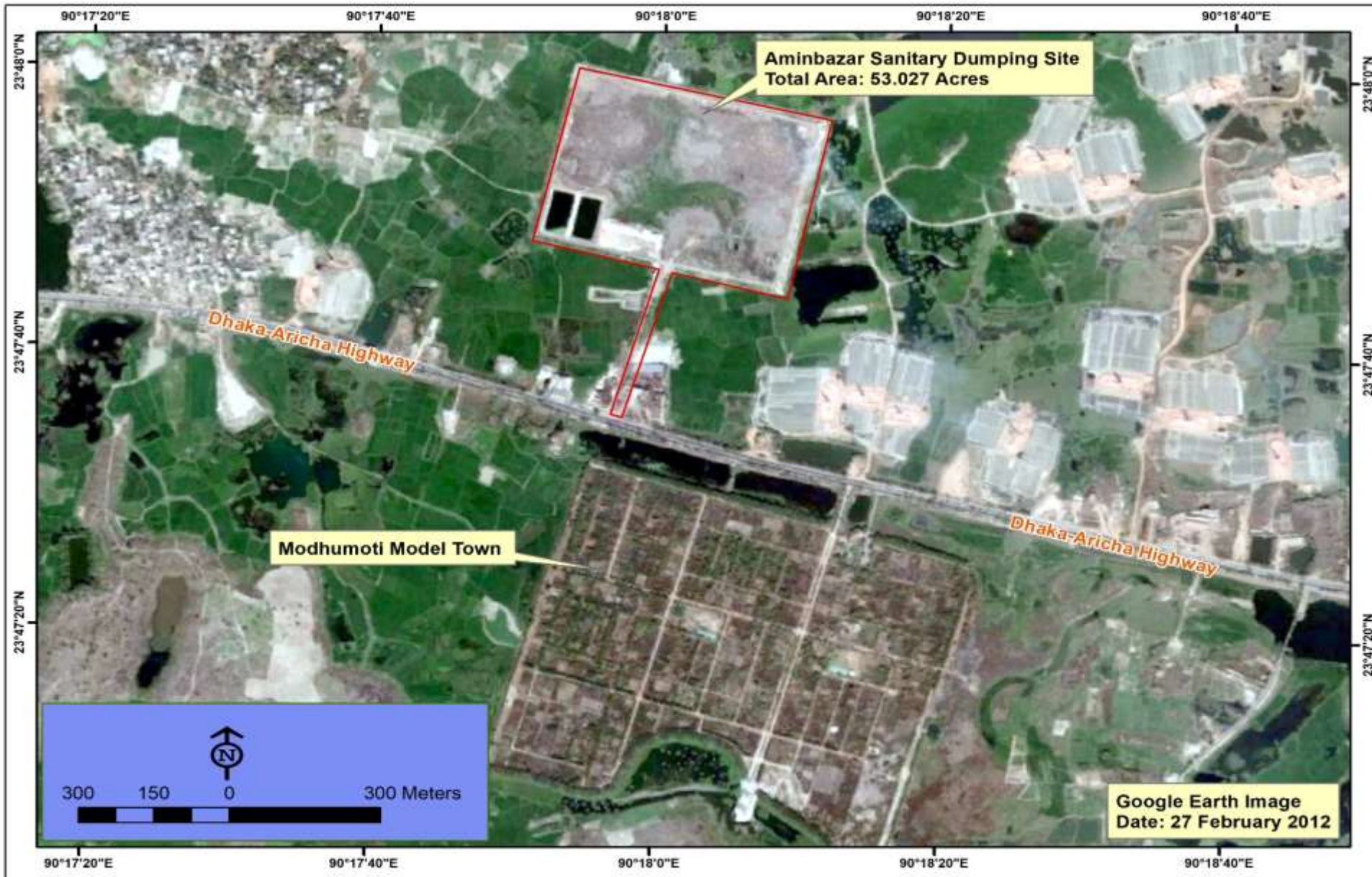
The Status of Aminbazar Sanitary Dumping Site in 2006



The Status of Aminbazar Sanitary Dumping Site in 2008



The Status of Aminbazar Sanitary Dumping Site in 2012



The Status of Aminbazar Sanitary Dumping Site in 2014



The Status of Aminbazar Sanitary Dumping Site in 2015



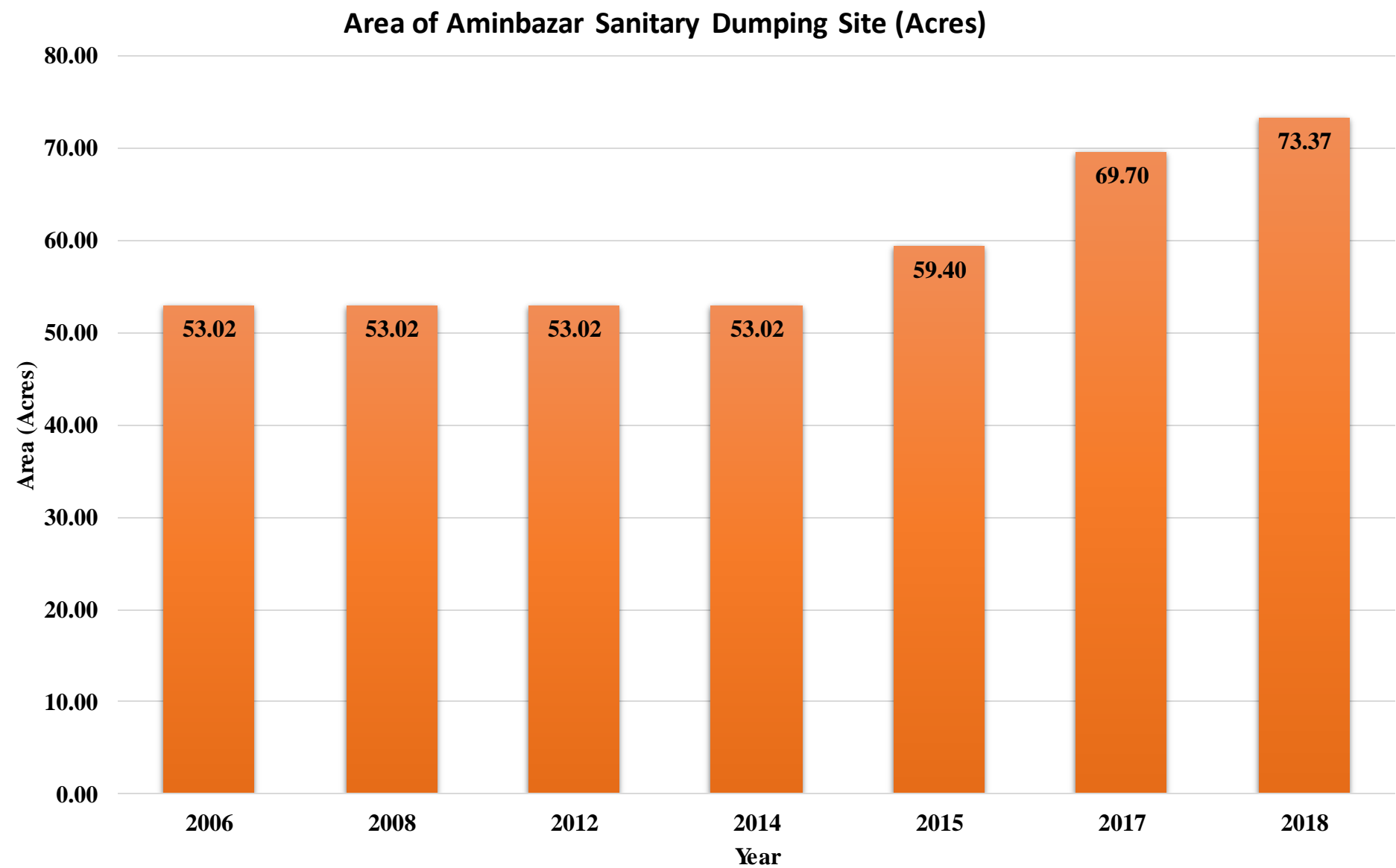
The Status of Aminbazar Sanitary Dumping Site in 2017



The Status of Aminbazar Sanitary Dumping Site in 2018



Changing area of Aminbazar sanitary dumping site in the last 12 years



Present Scenarios of Aminbazar Sanitary Dumping Site





Thank
you