



Appendix 5

Parks, Open spaces and Greenery

APPENDIX 5: PARKS, OPEN SPACES AND GREENERY

5.1 Relevant Laws, Regulations and Plans

Laws, regulations and plans related to public parks, open spaces and greenery are as follows.

5.1.1 Law on Urban Plans (1999)

In this law, “Public park” is stipulated as one of the land use zone categories. “Urban land” is divided into 4 categories, and public parks and open spaces are mentioned in 3 categories of urban land, as in the following;

Table 5.1.1: Articles in Law on Urban Plans

Section	Articles written about Parks and Greenery
Article14. City Centers	(not mentioned)
Article15. Areas Surrounding City Centers	The area surrounding a city center is identified by a lower density of both construction and population than the city center, and includes green space , --- The area surrounding a city center consists of land for construction of residences, commercial buildings, service and office space, stadiums, public parks, socio-cultural places , and others.
Article16. Suburbs	A suburb is the suburban area surrounding an area surrounding a city center, which has a lower density of both construction and population than the area surrounding the city center, and which includes agricultural and handicrafts businesses, industries, and adequate open space .
Article17. Areas for City Expansion	Areas for city expansion consist of land for residential, educational, airport, commercial, service, handicrafts, industry, transport, including land for agriculture, forests for recreation and tourism , and others.

5.1.2 Land Law (2003)

In this law, land is divided into 8 types of land use, and there is no land use directly related to green areas. Agricultural land, forest land and water area land are land uses related to the park and open space.

Table 5.1.2: Articles in Land Law

Section	Articles written about Parks and Greenery
Article11. Classification of Land Regions and Land Categories	Classification of land categories; Agricultural land, Forest land, Water area land , Industrial land, Communication land, Cultural land , Land for national defence and security, and Construction land .
Article33. Cultural Land	Cultural land is the location of cultural heritage and is related to the historical routes, traditional objects, archaeological sites, temples, natural landscape , cultural buildings, and other places ---
Article40. Categories of Construction Land	Construction land for public facilities is land used for collective benefit, such as public parks , schools, hospitals, markets, children’s playgrounds, sports stadium , and other ---

5.1.3 National Socio-economic Development Plan (2006-2010)

Table 5.1.3: Articles in National Socio-economic Development Plan

Section	page	Articles written about Parks and Greenery
Natural Resources and the Environment	p.119	the overall objective of the National Environment Strategy 2003-2020 is to sustainability utilize natural resources and protect and conserve the environment to ensure the sustainable development of the country while reducing poverty and enhancing the quality of life and health of Lao PDR
Infrastructure	p.163	It is planned to secure the beauty, cleanliness, and greenery of civilized towns. More sports facilities , such as stadiums, sports centers and tracks will be upgraded and constructed

5.1.4 National Strategy on Environment to the years 2020 and Action Plan for the years 2006-2010

Table 5.1.4: Articles in National Strategy on Environment

Section	page	Articles written about Parks and Greenery
Chapter3: Action Plan Focused program2	p.32	Action 1: Environment management in urban development 1. To implement policy and law on urban planning and the master plan of the Urban Development and Administration Authority in order to allocate land to industrial, green zones and areas for historical and cultural conservation.

5.1.5 Social Economic Development Plan of Vientiane Capital (2006-2010)

Table 5.1.5: Articles in Social Economic Development Plan of Vientiane Capital

Section	page	Articles written about Parks and Greenery
Evaluating 2001-2005 Town administration and Development	p.9	Trees and decorative flowers plantation of 32,592 trees Public gardens have been maintained and reconstructed such as; public garden at Simouang intersection, public garden at Jet water, Chao Pha Ngum public garden, Don Nun public garden, Victory gate public garden, That Luan public garden, tree and flower plantation along the main routes to make Vientiane Capital has a new face, be more clean and beautiful as it is.
Planning 2006-2010 "Forests"	p.30	Must strictly protect and develop remaining natural forests particularly natural forests, water resource protection forest, productive forest,, and rehabilitation of destroyed forests, from now up to 2010 to obtain 10,000ha . We also must enhance the community to invest in the production of small trees, each year the plantation of trees obtain 2,000-2,500ha .
Planning 2006-2010 "Irrigation"	p.31	-Project for decorative flower plantation -Project for decorative tree plantation -Project for decorative tree plantation along the national roads
Planning 2006-2010 "Urban management"	p.32	-Project for Mekong river bank protection and development -Project for continuing to construct public gardens in That Luang Temple, public garden in km6, Nong Tha area, public garden in surrounding That Luang, Hong Thong public garden linking with the construction of the night market, Nong Chan public garden and new urban extension areas. -Project for the construction of Nong Tha comprehensive public gardens -Project for tree plantation along the road No.13 North-South and road No.10
Planning 2006-2010 "Tourism"	p.34	-Project for the improvement of Houei Ngang tourism area, natural and cultural tourisms, ancient places, biology tourism , ancient temples and agricultural tourism.
Planning 2006-2010 "Sciences, Technology and Environment"	p.34	-Project for organizing and expanding environmental strategic from now up to 2020 and action plan from 2006-2010 -Project for development and preservation of Houei Nhang forest. -Project for the improvement of drainages and ponds.

5.1.6 Current Urban Master Plan

In the current urban master plan issued in 2001, a map of “Public Park and Green Area” is specified and some areas are regulated as “NE” areas concretely as one of the land use zones. Some large-scale areas of “NE” are That Luang Marsh, Don Chan Island”, Xiengxou Island, Nongping Marsh, Nongtha Marsh and so on. The total area is 1,407 ha which corresponds to approximately 7% of the whole urban area. This area seems to include public parks, paddy field and marsh, exclude natural green space and forest preservation as shown in Table 5.1.6.

Table 5.1.6: Public Park and Green Area

Type of spaces	The number	The area (ha)
Public Park	13	66.84
Natural Green Space	2	230.50
Paddy Field	7	550.25
Marsh	13	788.00
Forest Preservation	3	

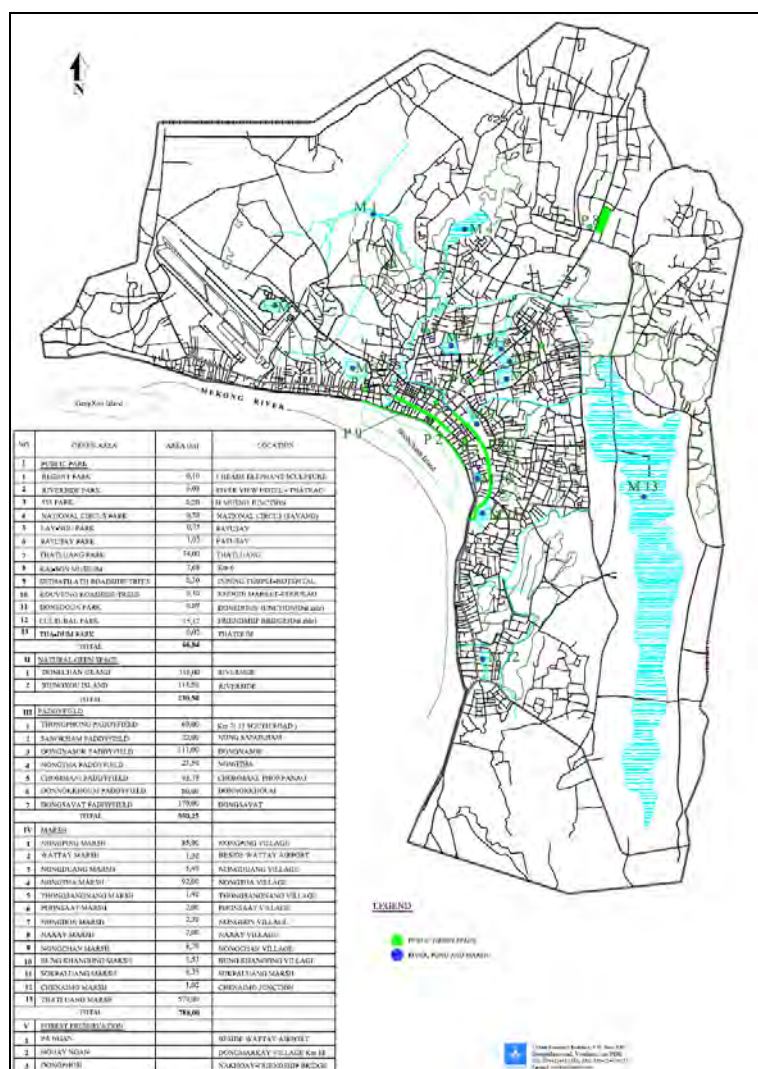


Figure 5.1.1: Map of “Parks and Green Area” in Current Urban Master Plan

5.1.7 Urban Planning Manual

“Urban Planning Manual” was made with the cooperation of GTZ. In this manual, land use was divided into 8 zones. One of those zones is designated as “Forest and Natural (NE)”, which is the same as the current urban master plan. Regulations for land use zones are as shown in Figure 3.1.2, while parks are permitted in all the land use zones.

Detail Land Use	Land use zones of Master Plan					
	Urban Central Zone (UA)	Urban Resident Zone (UB)	Conserv. Zone (UC/D)	Industr. Zone (I)	Agricult. Forestry Zone (A/F)	Natural Protect. Zone (N)
3. Administration						
Governmental Departments	P	SP	SP	SP	NP	NP
Public Offices	P	P	P	P	SP	NP
Private Offices	P	P	P	P	NP	NP
5. Recreation , Amusement and Entertainment						
Cinema	P	SP	NP	P	NP	NP
Stadium, Sport buildings	SP	SP	NP	P	SP	NP
Recreation Areas	P	P	SP	P	P	SP
Social Clubs, Associations	P	P	SP	P	SP	NP
6. Educational, Cultural and Religious						
Schools	P	P	P	P	NP	NP
College, University	SP	SP	NP	NP	NP	NP
Temples	P	P	P	P	SP	SP
12. Natural						
Parks	P	P	P	P	P	SP
Kitchen Gardening	P	P	P	P	P	NP
Animal Husbandry	NP	SP	SP	SP	P	NP
Agriculture	P	P	P	P	P	NP
Forestry	NP	SP	NP	SP	P	NP
Fishery	NP	SP	NP	SP	P	SP

P – Permitted
NP – Not Permitted
SP – Special

Figure 5.1.2: Regulations for land use zone related to public parks and open spaces

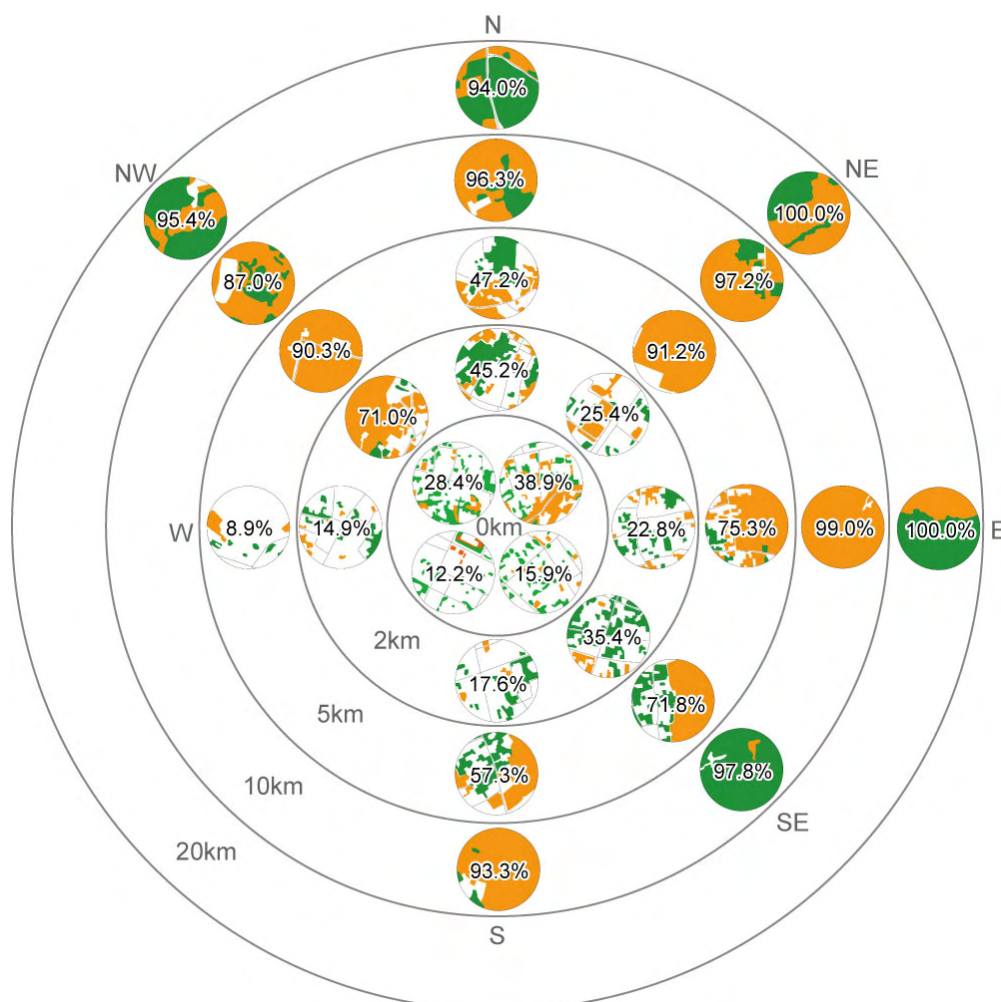
5.2 A Survey of Green Spaces Coverage Ratio by Satellite Samplings

ICA Study Team carried out “A survey of green spaces coverage ratio by satellite samplings” to grasp the current and suitable green spaces coverage ratio in each land use zones as shown in Table 5.2.1. In order to grasp green space conditions, this survey was done in a more detail scale than land use mapping.

This survey would be more informative if monitored in every 5 years whether green spaces coverage is improving or not in relation with the policies, regulations and projects to be conducted. Conducting the monitoring of this survey is one of the proposals by JICA Study Team.

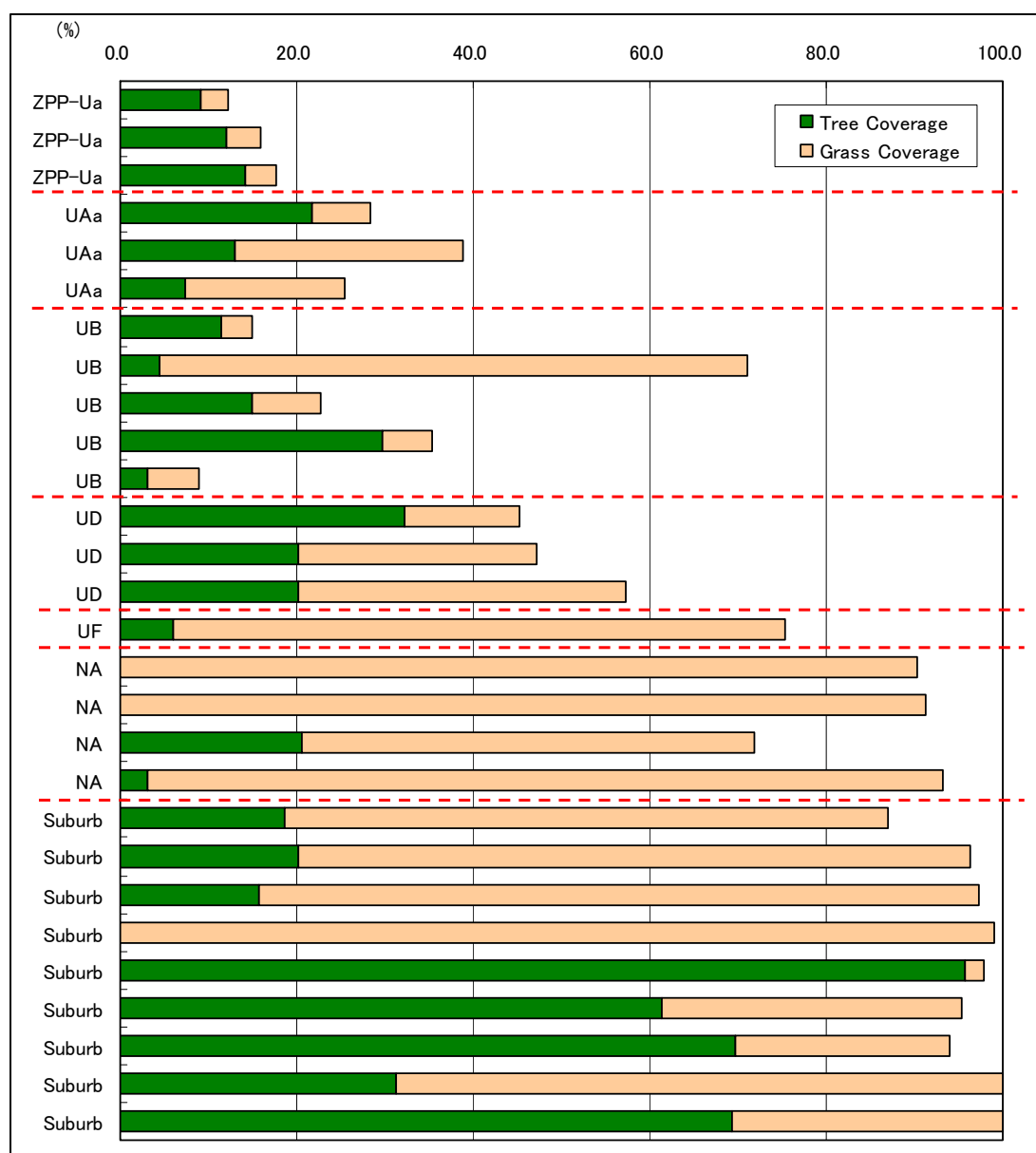
Table 5.2.1: Outline of a “Survey of Green Spaces Coverage Ratio by Satellite Samplings”

Survey Name	Survey of Green Spaces Coverage Ratio by Satellite Samplings
No. of Samples	28 samples in total
Sampling Method	Based on the distance and direction from the city center - Distance (0km, 2km, 5km, 10km and 20km) - Direction (West, NW, North, NE, East, SE, South)
Using Base Image	Quick Bird Satellite Image
Two Categories of Green Spaces	Green Color ■: Covered mainly by trees Orange Color ■: Covered mainly by grasses and agricultural lands



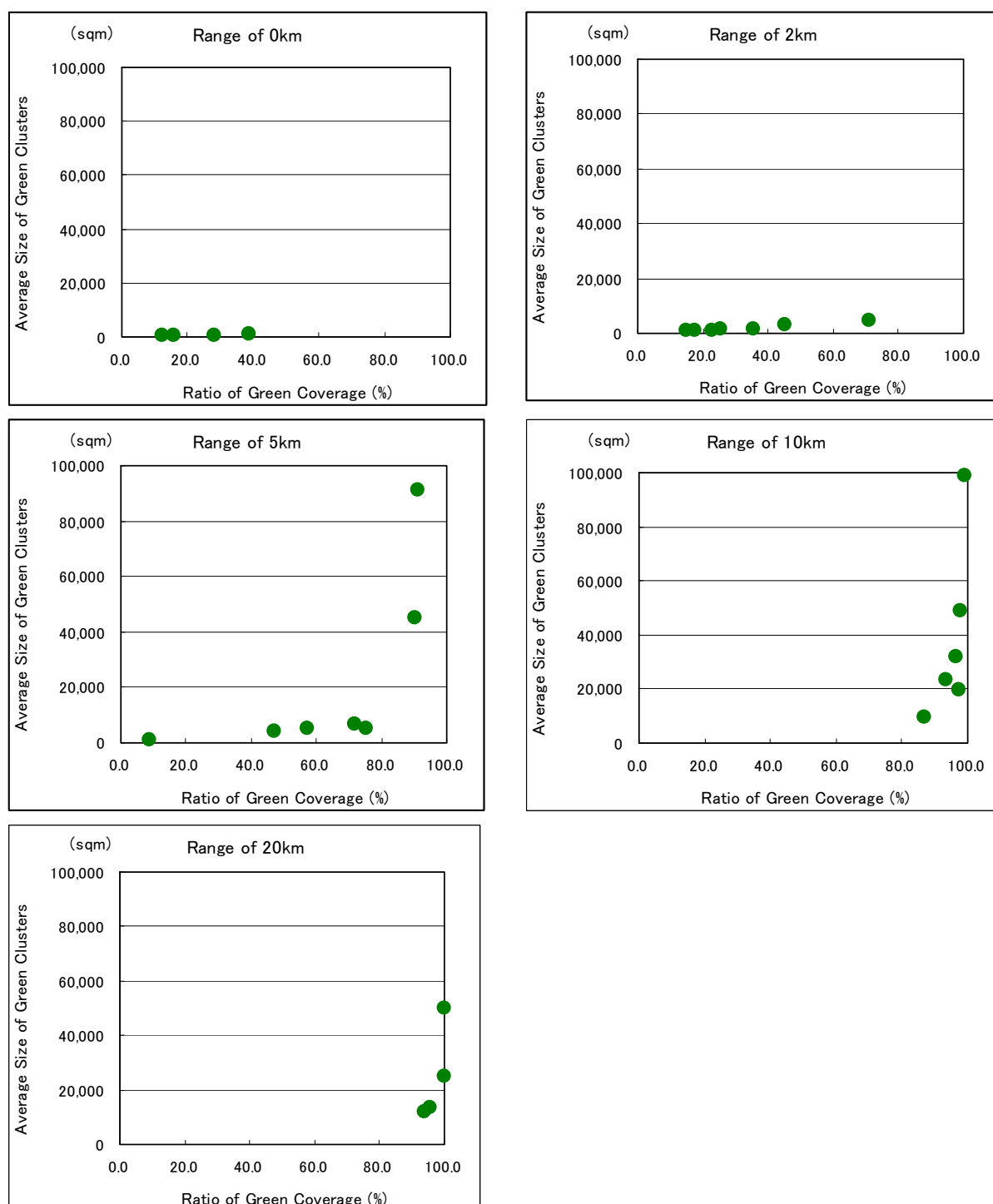
Source: JST

Figure 5.2.1: Current Green Spaces Coverage Ratio in Satellite Sampling Areas



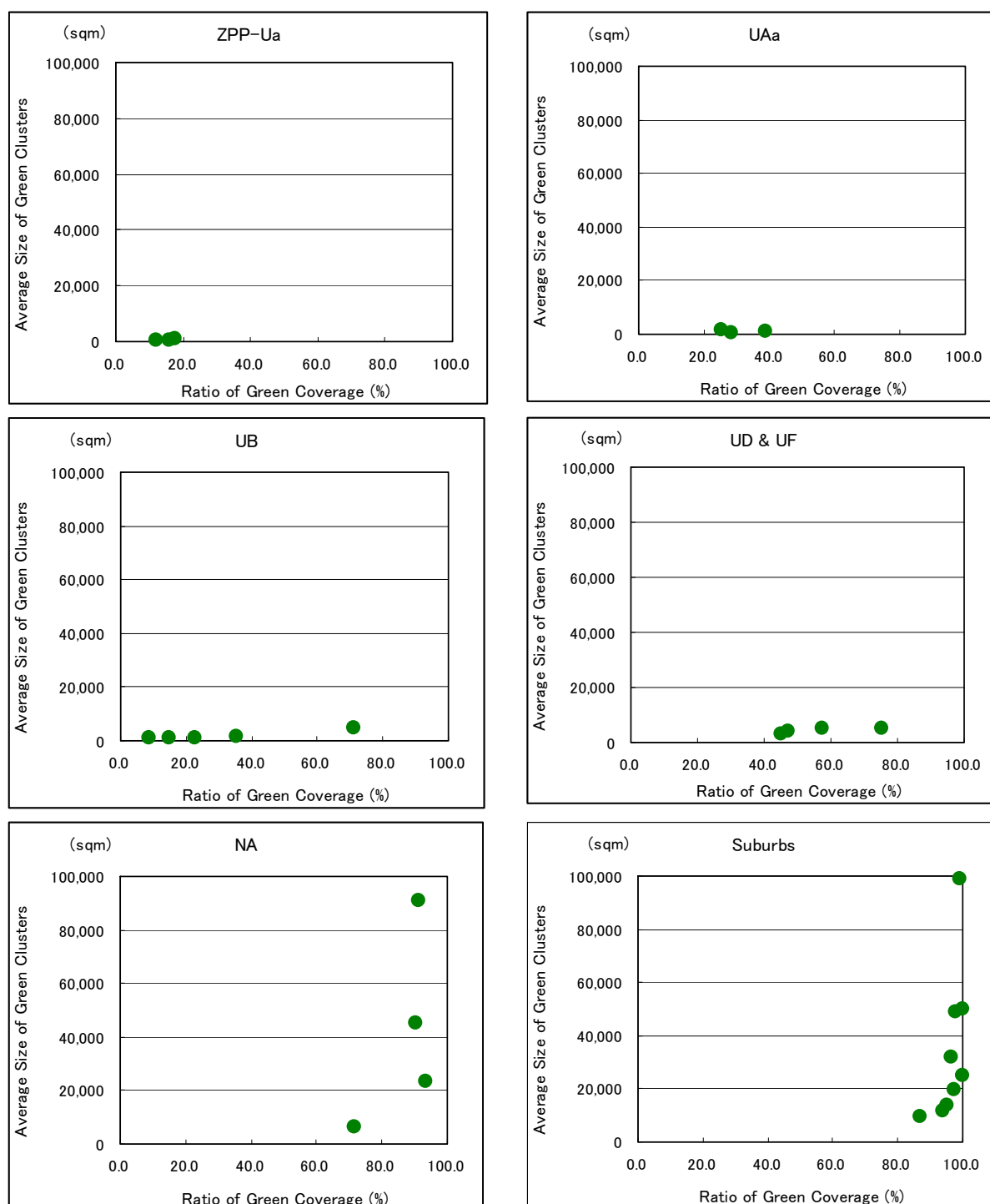
Source: JST

Figure 5.2.2: Current Green Spaces Coverage Ratio in Land Use



Source: JST

Figure 5.2.3: Current Green Spaces Coverage Ratio in Distances from Urban Center



Source: JST

Figure 5.2.4: Current Green Spaces Coverage Ratio in Land Use Zones

5.3 A Survey of Public Parks Utilization

JICA Study Team carried out “A survey of public parks utilization” to examine and grasp the current condition of park utilization. Table 5.3.1 shows an outline of this survey.

This survey would be more informative if monitored every 5 years to check whether the public parks is used by more users or not in relation with the policies, regulations and projects to be conducted. JICA Study Team proposes to continue the monitoring with this survey by the Lao side in future.

Table 5.3.1: Outline of a “Survey of Public Parks Utilization”

Survey Name	Survey of Public Parks Utilization
Target parks	Four (4) parks which are used mainly by the citizens not by tourists - Regent Park - 555 Park - Riverside Park - Xaysetha Park
Contents of the Survey	(1) Counting total numbers of users in 4 time zones (2) Interviewing with some users in same time zones of (1)
Date of the Survey	Two (2) days in weekday and weekend - 11 th /June/2010 (Weekday) - 12 th /June/2010 (Weekend)

Source: JST

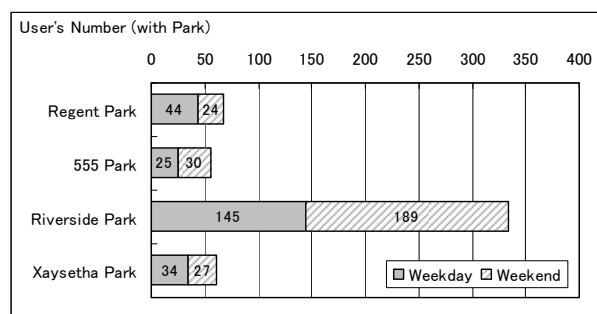


Source: JST

Figure 5.3.1: Four (4) Public Parks the survey conducted

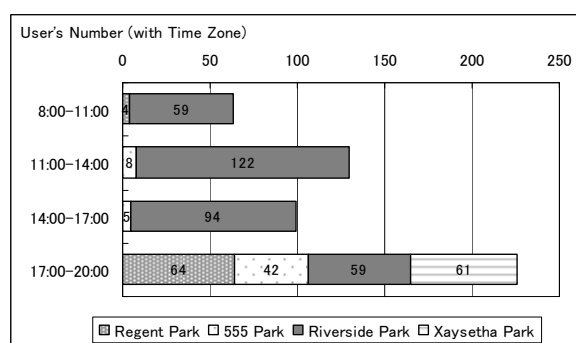
1) Total Number of Park Users (Park & Day of week)

	Weekday	Weekend	Total
Regent Park	44	24	68
555 Park	25	30	55
Riverside Park	145	189	334
Xaysetha Park	34	27	61
Total	248	270	518



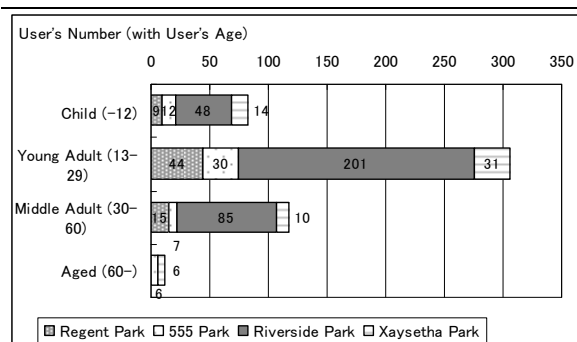
2) Total Number of Park Users (Time zone & Park)

	Regent Park	555 Park	Riverside Park	Xaysetha Park	Total
8:00-11:00	4	0	59	0	63
11:00-14:00	0	8	122	0	130
14:00-17:00	0	5	94	0	99
17:00-20:00	64	42	59	61	226
Total	68	55	334	61	518



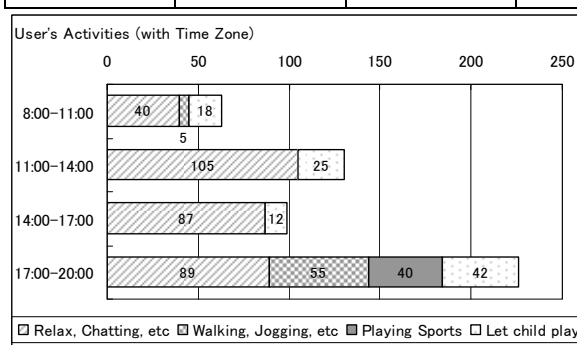
3) Total Number of Park Users (User's age & Park)

	Regent Park	555 Park	Riverside Park	Xaysetha Park	Total
Child (-12)	9	12	48	14	83
Young Adult (13-29)	44	30	201	31	306
Middle Adult (30-60)	15	7	85	10	117
Aged (60-)	0	6	0	6	12
Total	68	55	334	61	518



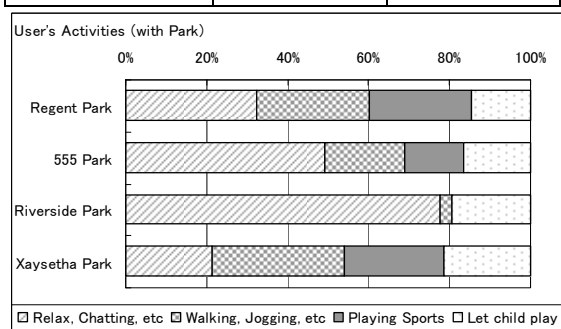
4) Total Number of Park Users (Time zone & User's activities)

	Relax, Chatting, etc	Walking, Jogging, etc	Playing Sports	Let child play	Total
8:00-11:00	40	5	0	18	63
11:00-14:00	105	0	0	25	130
14:00-17:00	87	0	0	12	99
17:00-20:00	89	55	40	42	226
Total	321	60	40	97	518



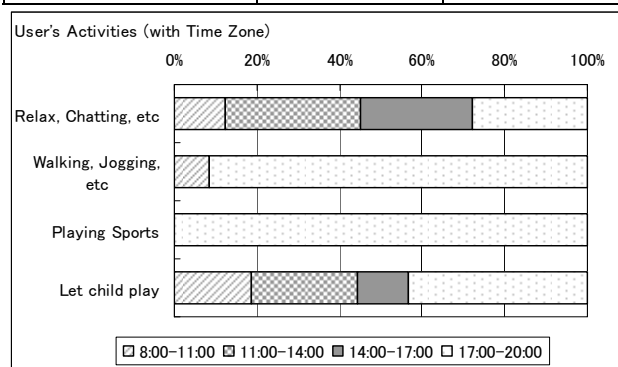
5) Total Number of Park Users (Park & User's activities)

	Relax, Chatting, etc	Walking, Jogging, etc	Playing Sports	Let child play	Total
Regent Park	22	19	17	10	68
555 Park	27	11	8	9	55
Riverside Park	259	10	0	65	334
Xaysetha Park	13	20	15	13	61
Total	321	60	40	97	518



6) Total Number of Park Users (User's activities & Time zone)

	8:00-11:00	11:00-14:00	14:00-17:00	17:00-20:00	Total
Relax, Chatting, etc	40	105	87	89	321
Walking, Jogging, etc	5	0	0	55	60
Playing Sports	0	0	0	40	40
Let child play	18	25	12	42	97
Total	63	130	99	226	518



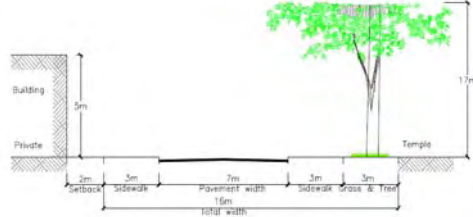


5.4 A Survey of Green Scenery Coverage

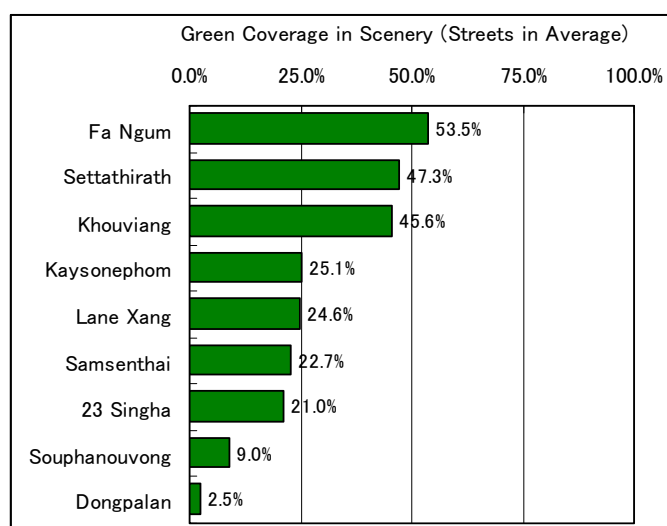
JICA Study Team carried out “A survey of green scenery coverage” to calculate and grasp ratios of green coverage in pictures taken at 21 points along the main urban roads as shown in Figure 5.4.1. In addition, an analysis was done by using green scenery coverage ratios in relation with types of roadside trees and sections of roads.

This survey would be more informative if monitored in every 5 years to check whether road with greenery has been improving or not in relation with the policies, regulations and projects to be conducted. JICA Study Team proposes to continue the monitoring with this survey by the Lao side in future.

Table 5.4.1: Outline of a “Survey of Green Scenery Coverage”

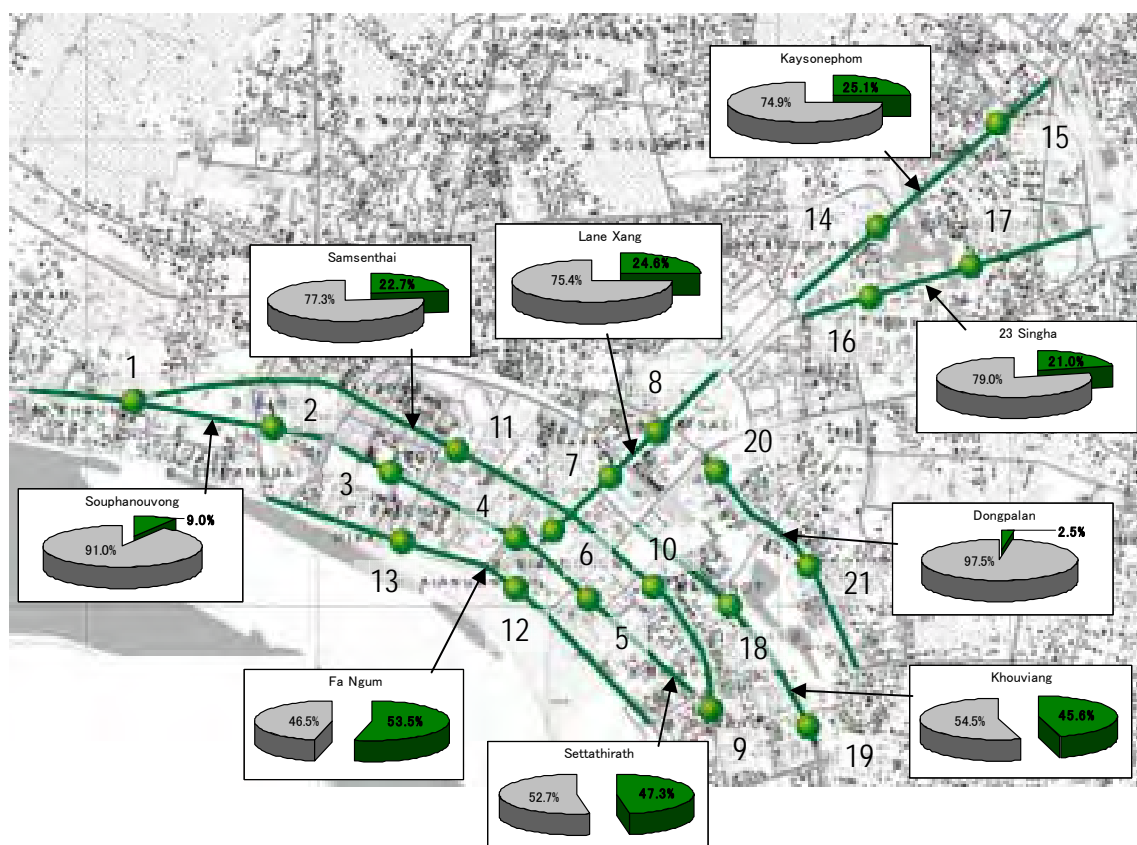
Table 3.41: Outline of a Survey of Green Scenery Coverage		
Survey Name	Survey of Green Scenery Coverage	
Target Street and Points	Nine (9) roads and 21 points - Lane Xane - Settathirath - Souphanouvong - 23 Shinha - Samsenthai - Kaysonephom - Khouviang - Dongpalan	
Sample of Analysis	(One points along Settathirath Road)	
		
Original Picture	Identifying Green Coverage	Section of the Road

Source: JST



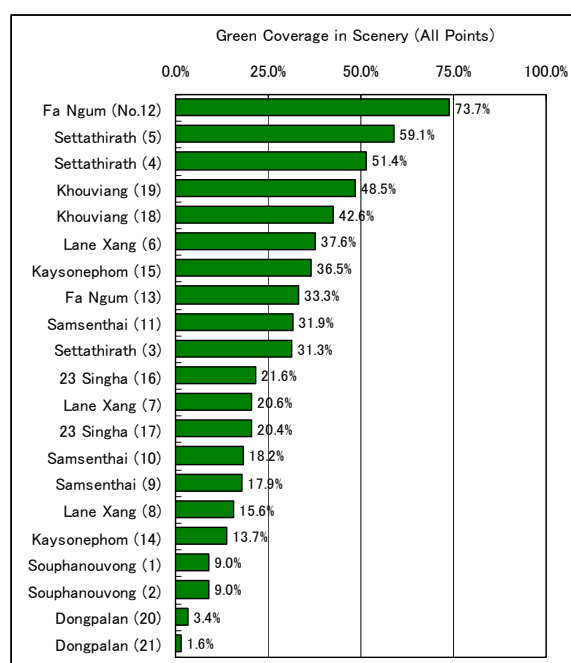
Source: JST

Figure 5.4.1: Green Scenery Coverage in each Street



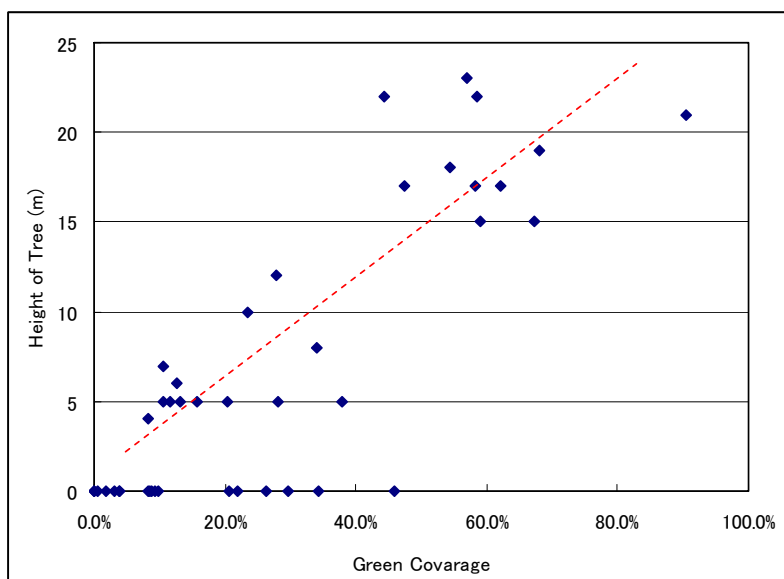
Source: JST

Figure 5.4.2: Green Scenery Coverage in each Street with a Map



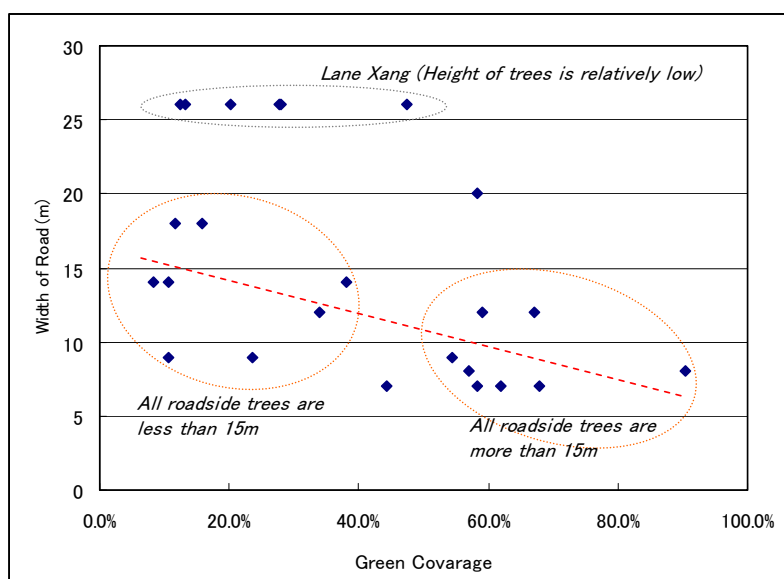
Source: JST

Figure 5.4.3: Green Scenery Coverage in each Point



Source: JST

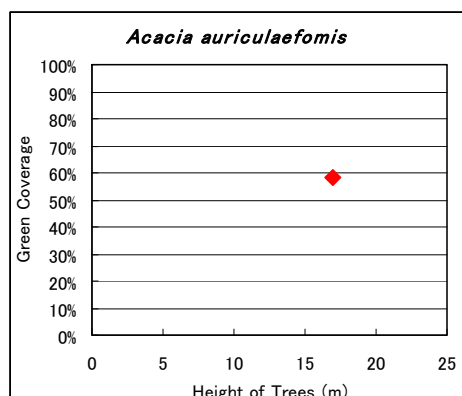
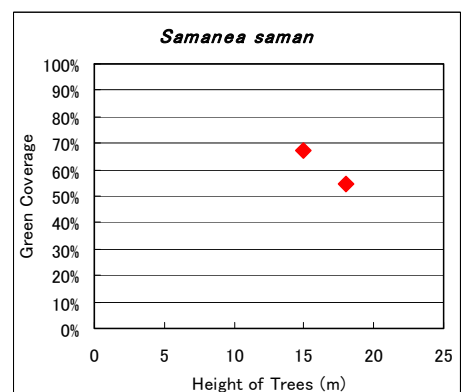
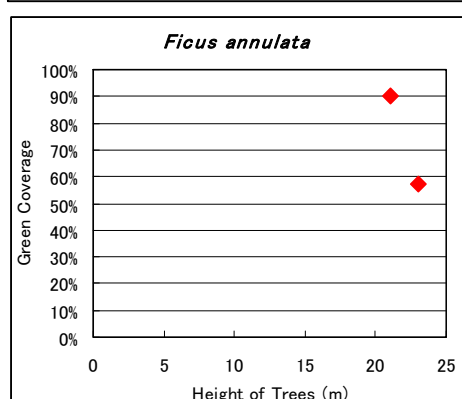
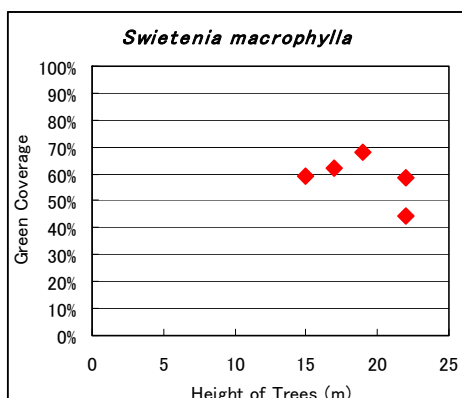
Figure 5.4.4: Green Scenery Coverage and Height of Trees

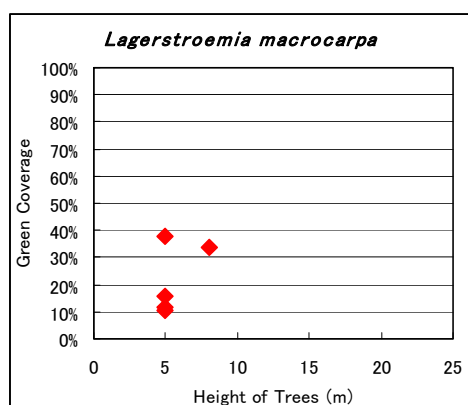
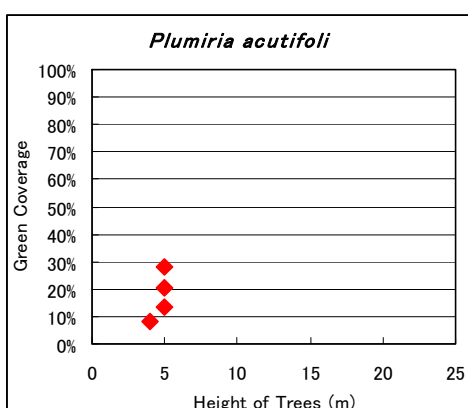
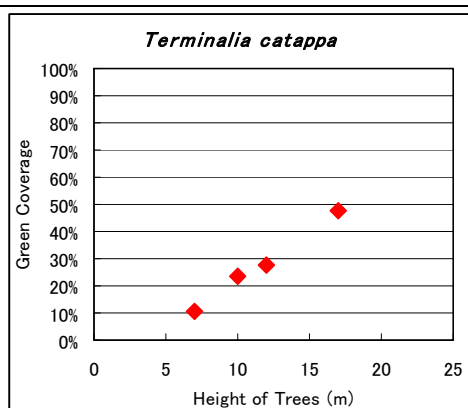


Source: JST

Figure 5.4.5: Green Scenery Coverage and Width of Roads
























Table 5.4.2: Tree Species and Green Coverage





Source: JST



5.5 Planting Trees Catalogs

	Suitable for Planting in Line or Group	←	→	Suitable for Planting in Single
20m Height	<p>05. <i>Tectona grandis</i></p>  <p>06. <i>Eucalyptus grandis</i></p> 			<p>03. <i>Ficus religiosa</i></p>  <p>04. <i>Ficus annulata</i></p> 
15m Height		<p>01. <i>Swietenia macro...</i></p>  <p>07. <i>Casuarina equiseti...</i></p> 	<p>02. <i>Samanea saman</i></p>  <p>09. <i>Acacia auriculaef...</i></p> 	<p>08. <i>Pterocarpus macr...</i></p>  <p>10. <i>Tamarindus indica</i></p> 
10m Height		<p>11. <i>Delonix regia</i></p> 		<p>12. <i>Pithecolobium dul...</i></p> 
5m Height	<p>15. <i>Polyalthia Pendula</i></p> 	<p>14. <i>Oreodoxa regia</i></p> 	<p>13. <i>Terminalia catappa</i></p> 	
1m Height	<p>17.</p>  <p>23. <i>Ixora species</i></p> 	<p>16. <i>Lagerstroemia ma...</i></p>  <p>22. <i>Bougainvillea spe...</i></p> 	<p>18. <i>Plumiria acutifolia</i></p>  <p>19. <i>Cassia fistula</i></p>  <p>21. <i>Phyllanthus distic...</i></p> 	<p>20. <i>Muntingia calab...</i></p> 

Source: JST

Figure 5.5.1: Tree Species to be Planted and those Characteristics

Table 5.5.1: Planting Tree Catalogs

No.01 Name	Scientific	<i>Swietenia macrophylla</i>	
	Family	Meliaceae (Sendan)	
	Generic	Swietenia (Mahogany)	
	Lao	Ton Makhamngua	
	Japanese	Ohba Mahoganii	
	English	Big Leafed Mahogany	
Height at Mature		10-20 m	
Shape of Tree		Glass Shape	
Life of Tree		100 years	
Water Require		Normal - Humid	
Flower		-	
Remarks			



Roadside (Good Practice for Greenery)





Roadside (Good Practice for Greenery)



Roadside (Good Practice for Greenery)



Park (Good Practice for Greenery)

No.02 Name	Scientific	<i>Samanea saman</i>	
	Family	Fabaceae (Mame)	
	Generic	Samanea	
	Lao	Ton Somsa	
	Japanese	America Nemunoki	
	English	Rain Tree	
Height at Mature		20 m	
Shape of Tree		Circle or Oval	
Life of Tree		60 years	
Water Require		Normal - Much Humid	
Flower		Pink	
Remarks			



Roadside (Good Practice for Greenery)



Roadside (Good Practice for Greenery)





Vacant Space (Good Practice for Greenery)


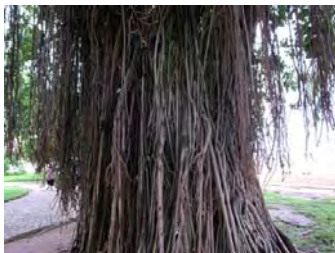


Private Space (Good Practice for Greenery)

No.03 Name	Scientific	<i>Ficus religiosa</i>
	Family	Moraceae (Kuwa)
	Generic	Ficus (Ichijiku)
	Lao	Ton Pho
	Japanese	Indo Bodaiju
	English	Bo tree, Peepal, Pipal
Height at Mature		25-35 m
Shape of Tree		Circle
Life of Tree		200 years
Water Require		Dry - Normal
Flower		-
Remarks		



No.04 Name	Scientific	<i>Ficus annulata</i>	 
	Family	Moraceae (Kuwa)	
	Generic	Ficus (Ichijiku)	
	Lao	Ton Hai	
	Japanese	Kind of Gadumaru	
	English	-	
Height at Mature		15-35 m	
Shape of Tree		Circle or Oval	
Life of Tree		150 years	
Water Require		Dry – Nomal	
Flower		-	
Remarks			



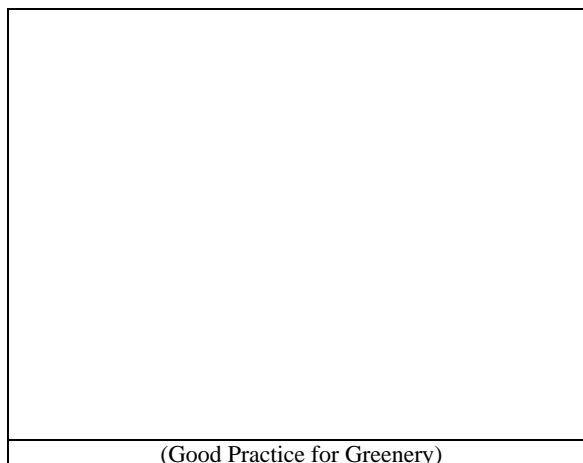
Park (Good Practice for Greenery)





Park (Good Practice for Greenery)

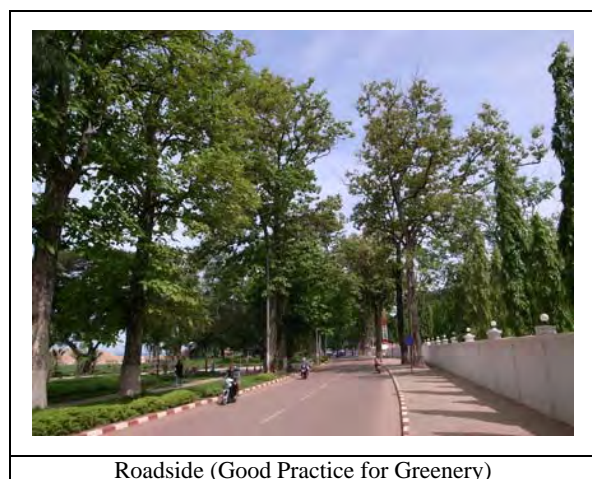


Public Space (Good Practice for Greenery)

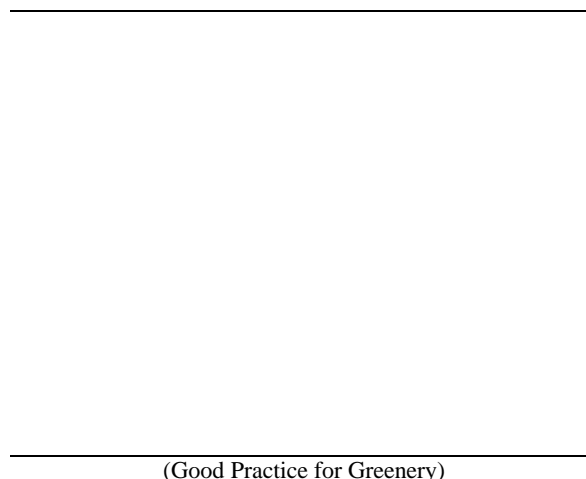


(Good Practice for Greenery)

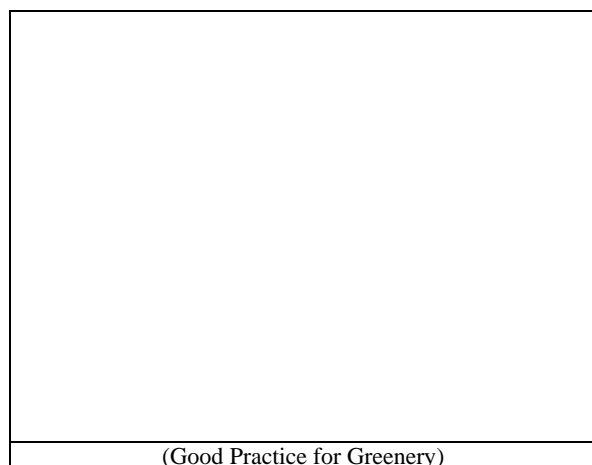
No.05 Name	Scientific	<i>Tectona grandis</i>	
	Family	Verbenaceae (Kumatsuzura)	
	Generic	Tectona	
	Lao	Ton Maisak	
	Japanese	Chiiku	
	English	Teak	
Height at Mature		15-25 m	
Shape of Tree		Oval	
Life of Tree		70-100 yeas	
Water Require		Dry – Humid	
Flower		-	
Remarks			



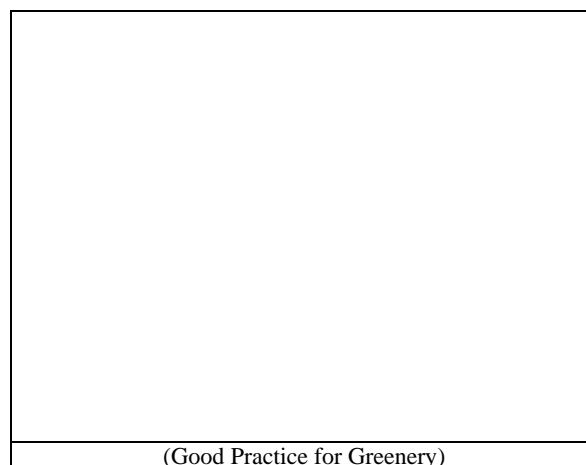
Roadside (Good Practice for Greenery)



(Good Practice for Greenery)



(Good Practice for Greenery)



(Good Practice for Greenery)



No.06 Name	Scientific	<i>Eucalyptus grandis</i>	
	Family	Myrtaceae (Futomomo)	
	Generic	Eucalyptus	
	Lao	Ton Vik	
	Japanese	Yukari	
	English	Eucaly	
Height at Mature		6-20 m	
Shape of Tree		Cone	
Life of Tree		100 years	
Water Require		Dry – Normal	
Flower		-	
Remarks			

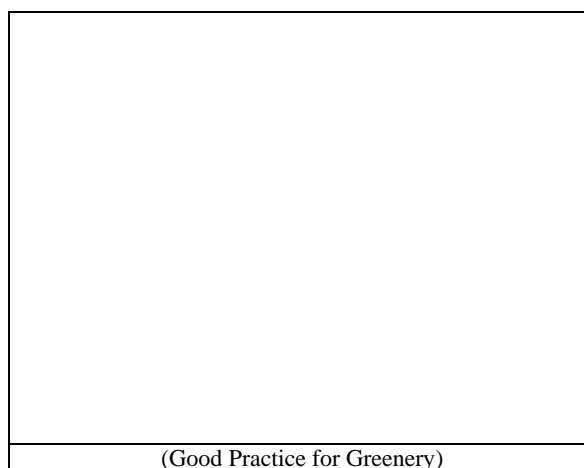
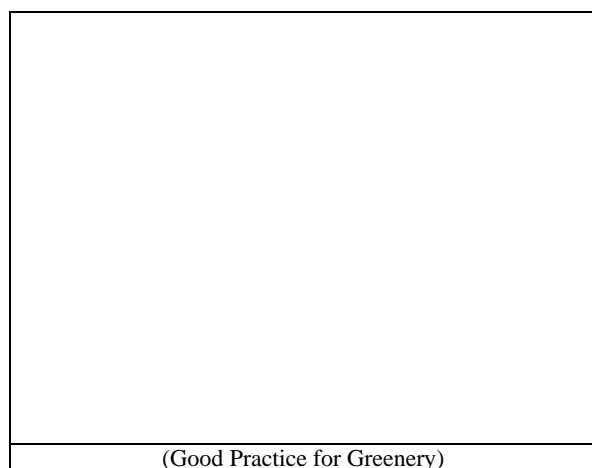
(Good Practice for Greenery)



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(Good Practice for Greenery)

(Good Practice for Greenery)

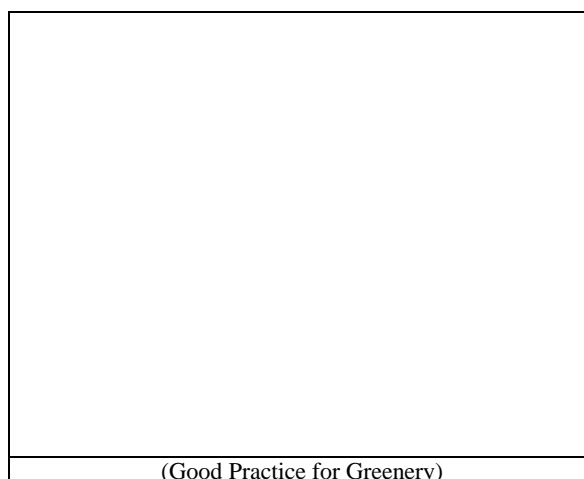
No.07 Name	Scientific	<i>Casuarina equisetifolia</i>	
	Family	Casuarinaceae (Mokumaou)	
	Generic	Casuarina (Mokumaou)	
	Lao	Ton Perk	
	Japanese	Mokumaou	
	English	Iron wood	
Height at Mature		-	
Shape of Tree		-	
Life of Tree		-	
Water Require		-	
Flower		-	
Remarks			



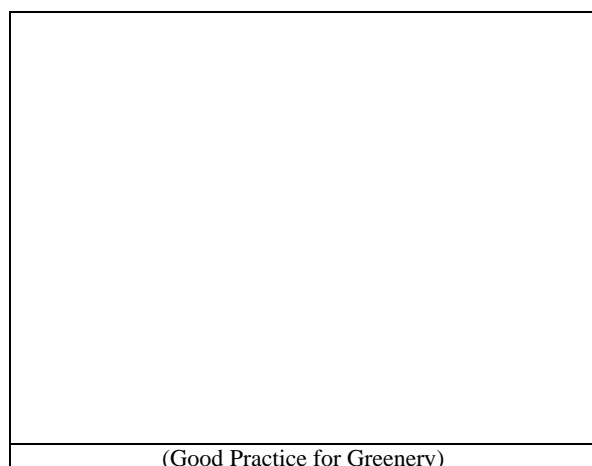
No.08 Name	Scientific	<i>Pterocarpus macrocarpus</i>	
	Family	Fabaceae (Mame)	
	Generic	Pterocarpus	
	Lao	Ton Dou	
	Japanese	Biruma Karin	
	English		
Height at Mature		15-35 m	
Shape of Tree		Oval	
Life of Tree		150 years	
Water Require		Dry – Normal	
Flower		Yellow	
Remarks			



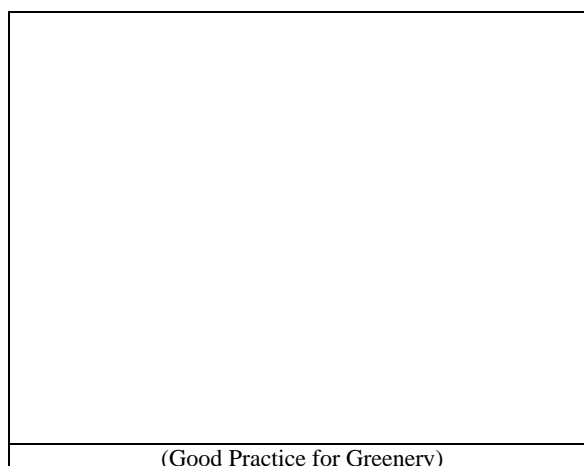
Roadside (Good Practice for Greenery)





(Good Practice for Greenery)



(Good Practice for Greenery)



(Good Practice for Greenery)

No.09 Name	Scientific	<i>Acacia auriculaefomis</i>	
	Family	Fabaceae (Mame)	
	Generic	Acacia (Akashia)	
	Lao	Ton Kanthinalong	
	Japanese	Akashia	
	English		
Height at Mature		10-20 m	
Shape of Tree		Oval	
Life of Tree		50-80 years	
Water Require		Dry – Normal	
Flower		Yellow	
Remarks			



Roadside (Good Practice for Greenery)





Temple (Good Practice for Greenery)

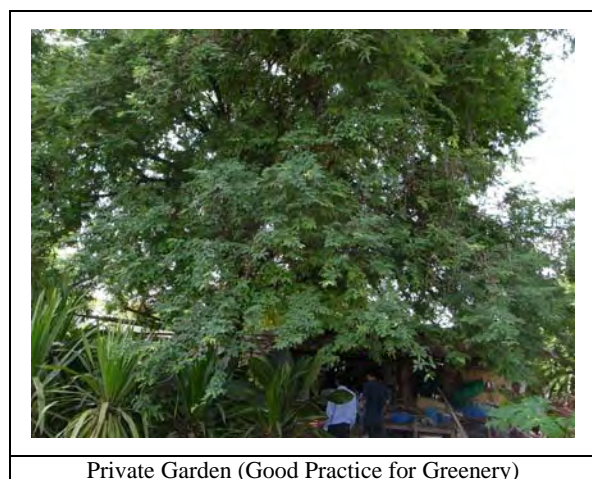


Roadside (Good Practice for Greenery)

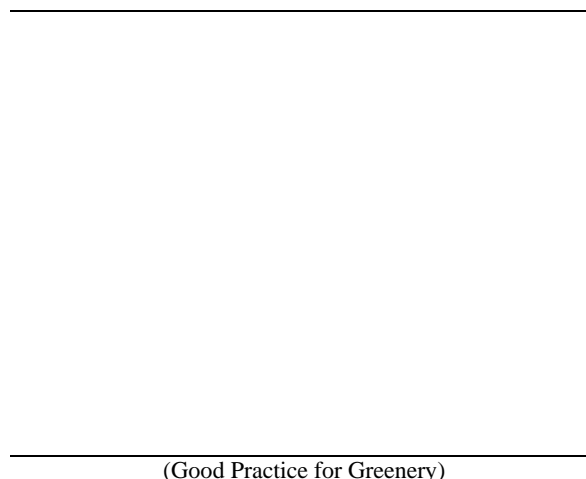


Roadside (Good Practice for Greenery)

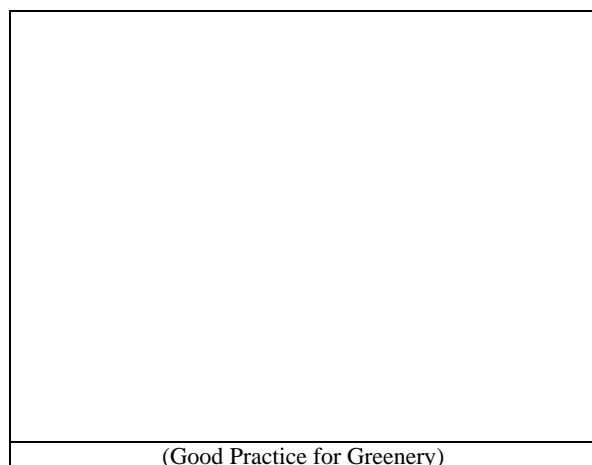
No.10 Name	Scientific	<i>Tamarindus indica</i>	
	Family	Caesalpiniaceae (Jyaketuibara)	
	Generic	Tamarindus	
	Lao	Ton Mak kam	
	Japanese	Tamarindo	
	English	Tamarind	
Height at Mature		10-20 m	
Shape of Tree		Circle or Oval	
Life of Tree		100 years	
Water Require		Dry – Normal	
Flower		White with Purple	
Remarks			



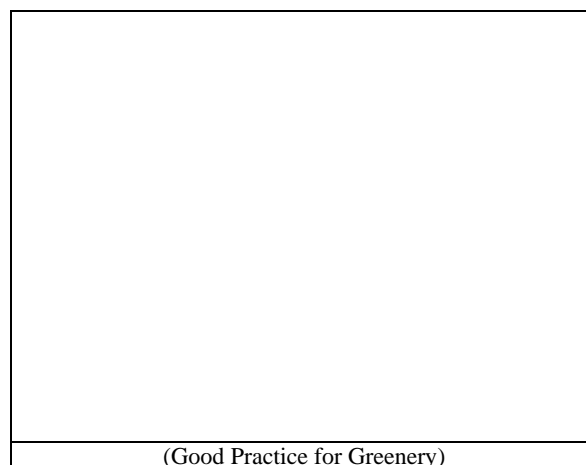
Private Garden (Good Practice for Greenery)



(Good Practice for Greenery)





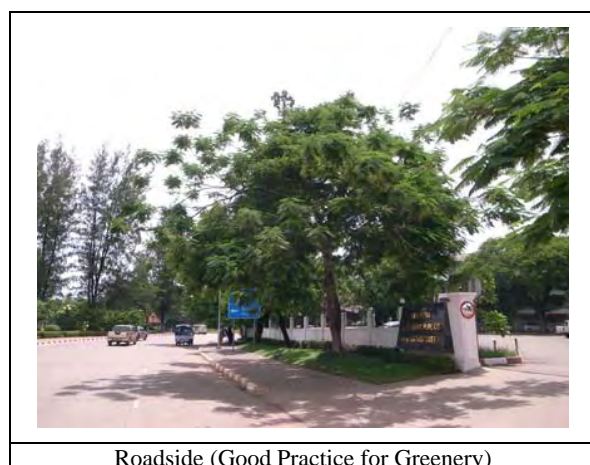
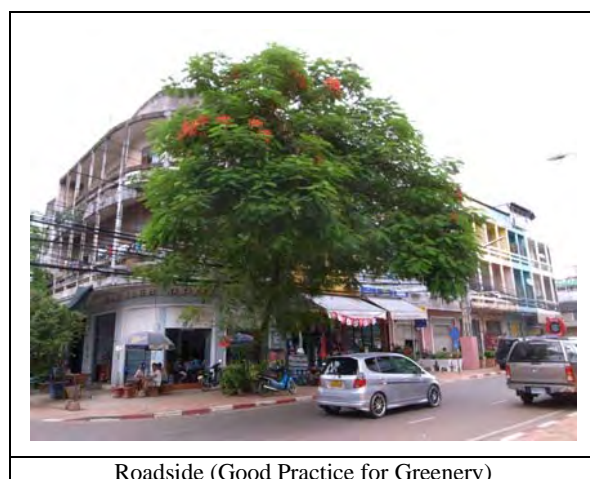
(Good Practice for Greenery)





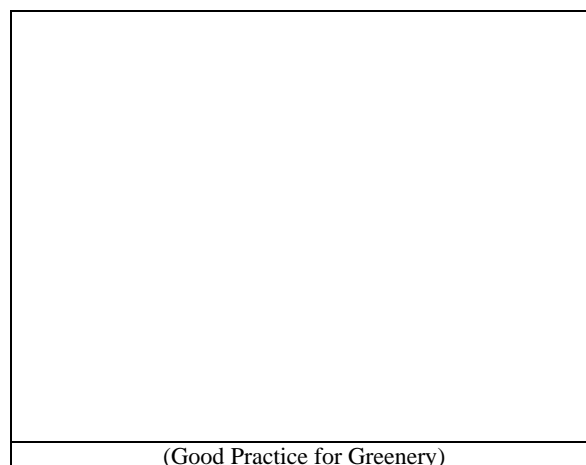
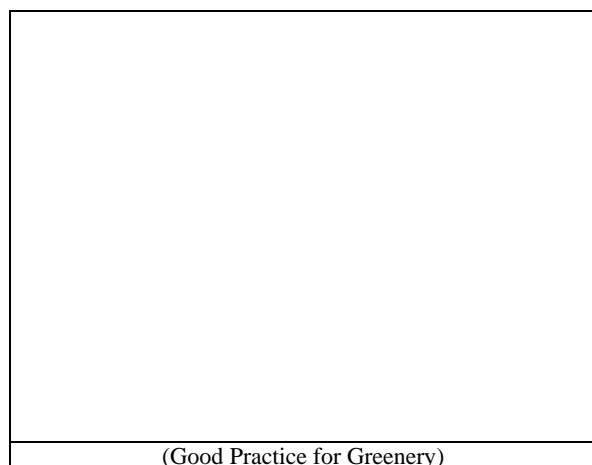
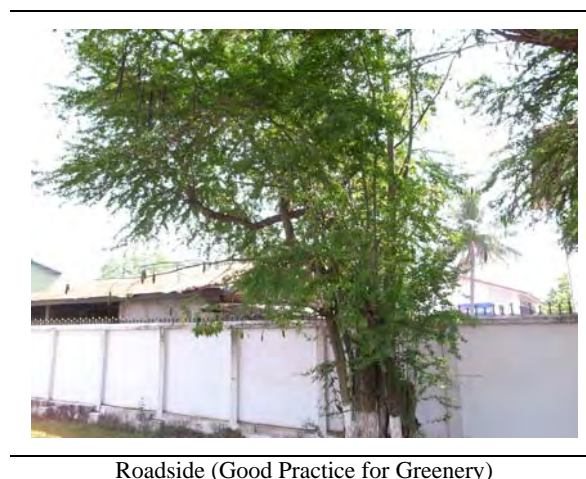
(Good Practice for Greenery)



No.11 Name	Scientific	<i>Delonix regia</i>
	Family	Caesalpiniaceae (Jyaketuibara)
	Generic	Delonix (Hououboku)
	Lao	Ton Fang Gnai
	Japanese	Houou Boku
	English	Royal Poinciana, Flame of the forest
Height at Mature		6-15 m
Shape of Tree		Cone or Umbrella
Life of Tree		30-70 years
Water Require		Dry – Normal
Flower		Red
Remarks		



No.12 Name	Scientific	<i>Pithecolobium dulce</i>	
	Family	Leguminosae (Mame)	
	Generic	Pithecolobium	
	Lao	Ton Khampea	
	Japanese	Kind of Mame	
	English	-	
Height at Mature		8-18 m	
Shape of Tree		Umbrella	
Life of Tree		50 years	
Water Require		Normal – Much humid	
Flower		-	
Remarks			



No.13 Name	Scientific	<i>Terminalia catappa</i>	
	Family	Combretaceae (Shikunshi)	
	Generic	Terminalia	
	Lao	Ton Houkuang	
	Japanese	Momotamana	
	English	Myrobalan, Tropical almond, Sea almond	
Height at Mature		4-10 m	
Shape of Tree		Circle	
Life of Tree		50 years	
Water Require		Dry – Humid	
Flower		-	
Remarks			



Roadside (Good Practice for Greenery)



Private Space (Good Practice for Greenery)




Playground in School (Good Practice for Greenery)



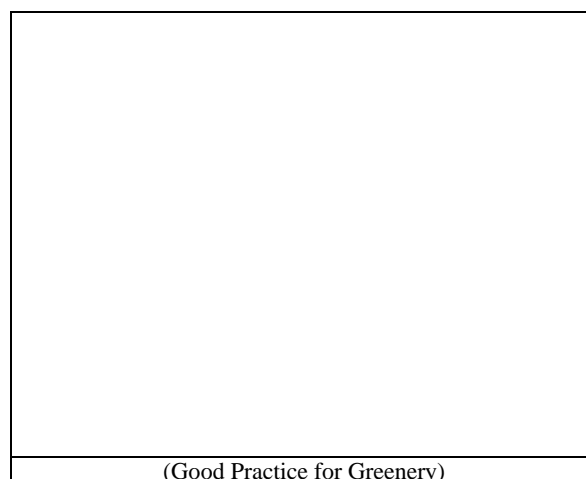
Roadside (Good Practice for Greenery)

No.14 Name	Scientific	<i>Oreodoxa regia</i>
	Family	Arecoideae (Yashi)
	Generic	Oreodoxa
	Lao	Ton Tarn
	Japanese	Daïou Yashi
	English	
Height at Mature		3-10 m
Shape of Tree		Circle on the top
Life of Tree		100 years
Water Require		Normal – Humid
Flower		-
Remarks		

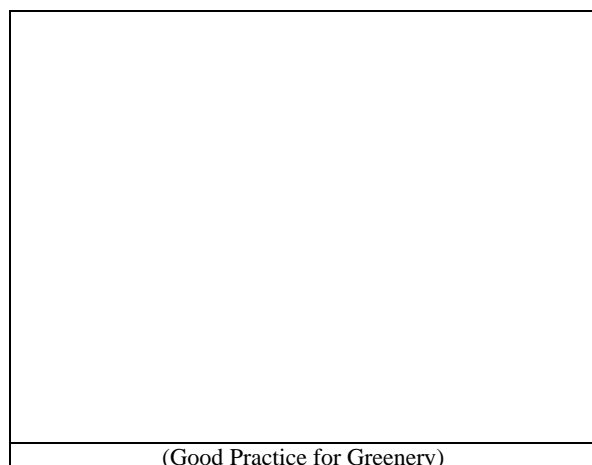




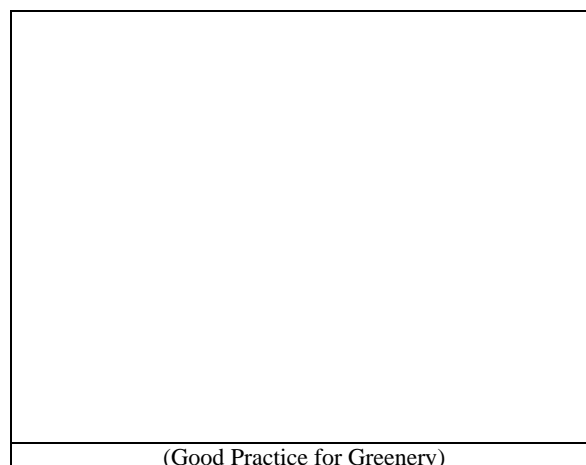
Marsh (Good Practice for Greenery)





(Good Practice for Greenery)

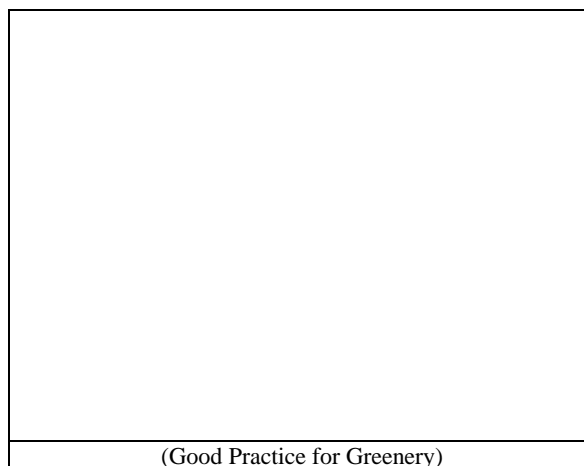
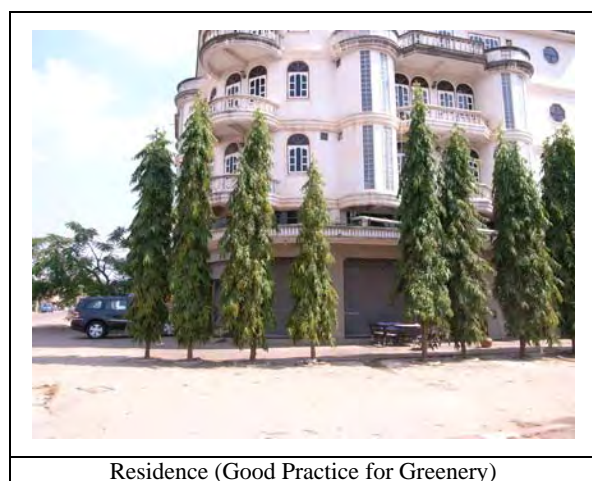




(Good Practice for Greenery)



(Good Practice for Greenery)

No.15 Name	Scientific	<i>Polyathia Pendula</i>	
	Family	Annonaceae (Banreishi)	
	Generic	Polyathia (Polyarushia)	
	Lao	Ton Asock	
	Japanese	Asoka Tree	
	English		
Height at Mature		5-10 m	
Shape of Tree		Pencil	
Life of Tree		50 years	
Water Require		Dry – Normal	
Flower		-	
Remarks			



No.16 Name	Scientific	<i>Lagerstroemia macrocarpa</i>	
	Family	Lythraceae (Misohagi)	
	Generic	Lagerstroemia (Sarusuberi)	
	Lao	Ton Kakalao	
	Japanese	Ohmino Sarusuberi	
	English	Crepe myrtle	
Height at Mature		8-10 m	
Shape of Tree		Oval or Cone	
Life of Tree		30-80 years	
Water Require		Dry – Humid	
Flower		Purple	
Remarks			



Roadside (Good Practice for Greenery)





Roadside (Good Practice for Greenery)

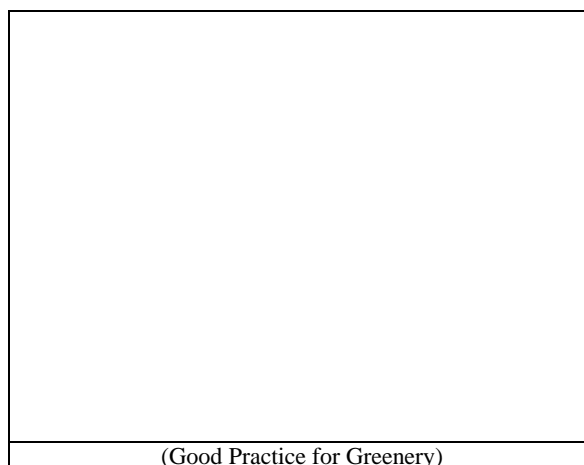
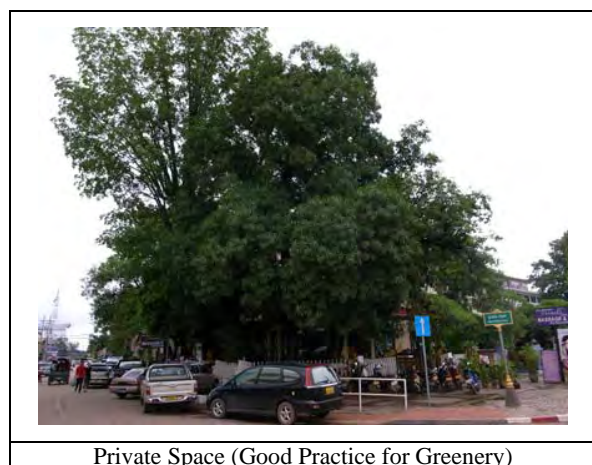




Parking lot (Good Practice for Greenery)



Roadside (Good Practice for Greenery)

No.17 Name	Scientific		
	Family		
	Generic		
	Lao		
	Japanese		
	English		
Height at Mature			
Shape of Tree			
Life of Tree			
Water Require			
Flower			
Remarks			



No.18 Name	Scientific	<i>Plumiria acutifolia</i>	
	Family	Apocynaceae (Kyochikuto)	
	Generic	Plumeria (Pulumeria)	
	Lao	Ton Dock Champa	
	Japanese	Pulumeria	
	English	Frangipani	
Height at Mature		4-8 m	
Shape of Tree		Oval or Cone	
Life of Tree		50 years	
Water Require		Dry – Humid	
Flower		White with yellow	
Remarks			



Park (Good Practice for Greenery)




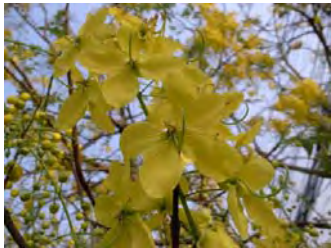
Restaurant (Good Practice for Greenery)

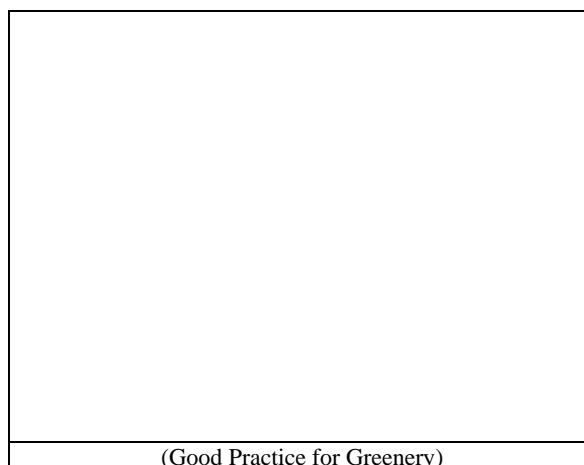
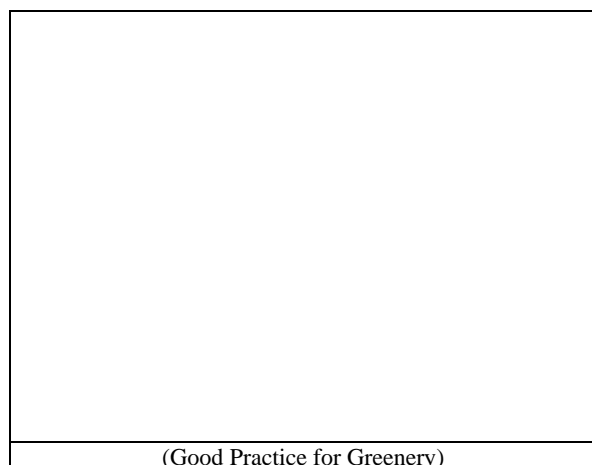




Public Space (Good Practice for Greenery)



Public Space (Good Practice for Greenery)

No.19 Name	Scientific	<i>Cassia fistula</i>	
	Family	Caesalpiniaceae (Jyaketuibara)	
	Generic	Cassia	
	Lao	Ton Dock Khoun	
	Japanese	Nanban Saikachi	
	English	Golden shower, Indian laburnum	
Height at Mature		4-6 m	
Shape of Tree		Oval or Cone	
Life of Tree		100 years	
Water Require		Dry or Normal	
Flower		Yellow	
Remarks			



No.20 Name	Scientific	<i>Muntingia calabura</i>	
	Family	Tiliaceae (Shinanoki)	
	Generic	Muntingia	
	Lao	Ton Mak takop	
	Japanese	Nanyo Zakura	
	English	Guayana cherry tree	
Height at Mature		-	
Shape of Tree		-	
Life of Tree		-	
Water Require		-	
Flower		-	
Remarks			



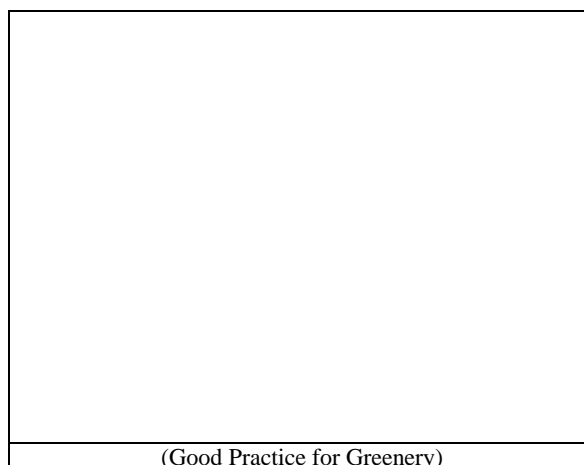
Residence (Good Practice for Greenery)





Private Space (Good Practice for Greenery)



Private Space (Good Practice for Greenery)



(Good Practice for Greenery)

No.21 Name	Scientific	<i>Phyllanthus distichus</i>	
	Family	Euphorbiaceae (Todaigusa)	
	Generic	Caesalpiniaceae (Jyaketuibara)	
	Lao	Ton Ngom	
	Japanese	Yukan	
	English		
Height at Mature		-	
Shape of Tree		-	
Life of Tree		-	
Water Require		-	
Flower		-	
Remarks			



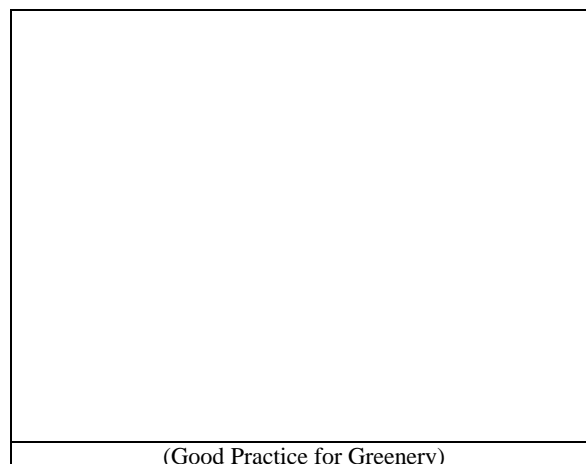
Roadside (Good Practice for Greenery)





Private Space (Good Practice for Greenery)



Private Space (Good Practice for Greenery)



(Good Practice for Greenery)

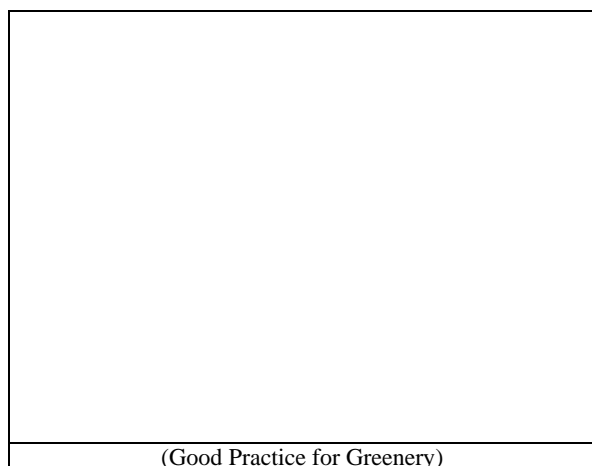
No.22 Name	Scientific	<i>Bougainvillea spectabilis</i>	
	Family	Nyctaginaceae (Oshiroibana)	
	Generic	Bougainvillea	
	Lao	Ton Dock Chia	
	Japanese	Bugenbiria	
	English	Bougainvillea	
Height at Mature		-	
Shape of Tree		-	
Life of Tree		-	
Water Require		-	
Flower		-	
Remarks			



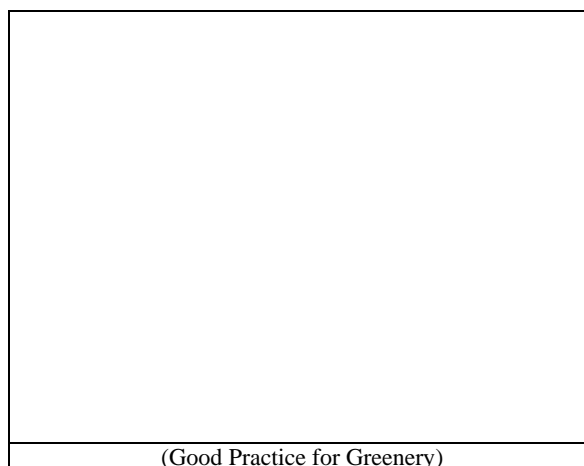
(Good Practice for Greenery)





(Good Practice for Greenery)



(Good Practice for Greenery)



(Good Practice for Greenery)

No.23 Name	Scientific	<i>Ixora species</i>	
	Family	Rubiaceae (Akane)	
	Generic	Ixora	
	Lao	Ton Dokhem	
	Japanese	Santanka	
	English		
Height at Mature		-	
Shape of Tree		-	
Life of Tree		-	
Water Require		-	
Flower		-	
Remarks			



Park (Good Practice for Greenery)



Park (Good Practice for Greenery)



Roadside (Good Practice for Greenery)



Roadside (Good Practice for Greenery)