Draft Environment and Social Impact Assessment

Project Number: 55205-001

29 April 2022

Lao PDR: Monsoon Wind Power Project

Part 14: Appendices D to E

Prepared by Impact Energy Asia Development Limited (IEAD) for the Asian Development Bank.

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Monsoon Wind Power Project, Sekong and Attapeu Provinces, Lao PDR

Environmental and Social Impact Assessment

29 April 2022

Project No.: 0598121

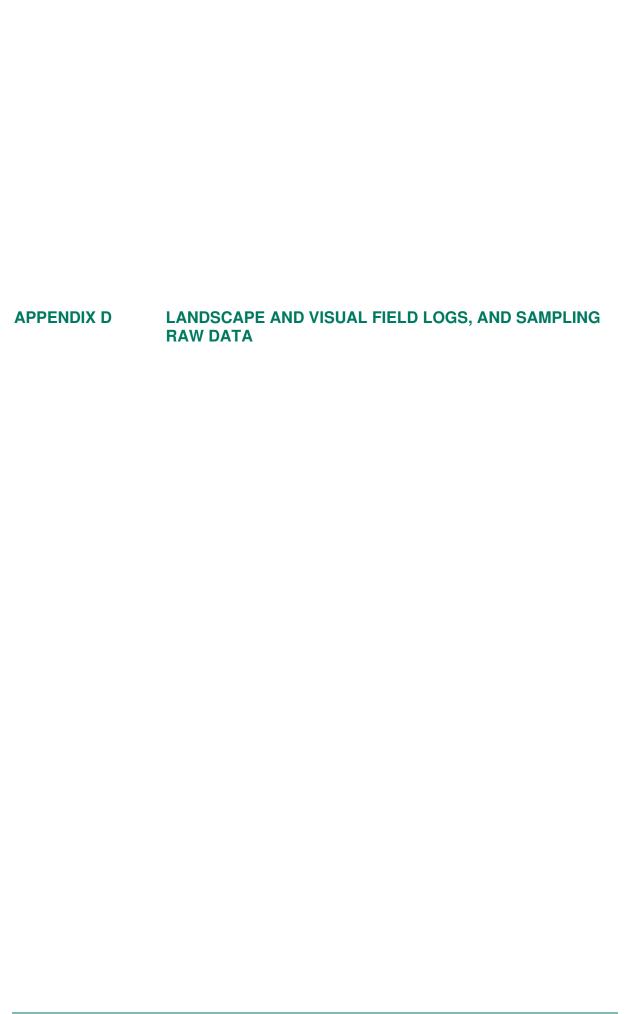


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Author	Aurora Finiguerra, Cheryl Ng, Elaine Wong, Hoa Tran, Jacopo Ventura, Mingkwan Naewjampa, Shubhankar Khare, Tirapon Premchitt, Winee Tammaruk
Client Name	Impact Energy Asia Development Limited (IEAD)

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SURVEY POINT NO	LOCATION	COORI	DINAT	ΓES	DATE	
Insert number stored in the GPS record	Write here the place name	Insert coordinates in	UTM W	/GS84 (meters)	Insert date as dd/mm/yy	
VSR 01	Ban Namtiap	X 698867	Y 1691144		26.10.2021	
PANORAMIC	Surveyor Name	Xayyasit	that ill	ome photographs lustrate the teristics of the	VCD01 1 VCD01 1	
PHOTOS NO.'s	Date	26.10.2021		ape at this location	VSR01.1-VSR01.1	
	Surveyor Name	Xayyasit			ype, for example "farmland w l/ coastal landscape/ mountain	
LANDSCAPE TYPE	Date	26.10.2021		Village (along the road	
PROTECTED	Surveyor Name	Xayyasit	Identi		Protected Areas adjacent to a ect Area	
AREAS	Date	26.10.2021	None			
TOPOGRAPHY	Surveyor Name	Xayyasit		Date	26.10.2021	
TOTOGRATITI	Tick one or more of th	nese if they correspond to the	landscap	e you see. You can add	options in the blank cells.	
✓ Flat	Plain	✓ Coast		Craggy (rocky steep, uneven pointed)		
Undulating	✓ Rolling Lowland	Estuary		Mountain Ridg	re	
Rolling	Plateau (a separate raised area above a flat area)			Scarp Cliff (vertion or almost vertice face)	cal	
Steep	Rolling Hills	Narrow Valle	y	Deep Gorge		
DOMINANT LA	NDCOVER AND LANDS	SCAPE ELEMENTS		Surveyor Nan	ne Xayyasit	
Tick one or more of these if th	ey correspond to the landscape yo blank cells.			Date	26.10.2021	
✓ Building/Structures	Farming	✓ Landcover/Vege	tation	Water	✓ Infrastructu	
Farm Building	Pasture	Woodland - Coniferous/Decid	dous	River	Footpath	
Masts/Poles	Olive Plantations	Scrub/thicke	ŧ	Stream	Track	
✓ Pylons	Vineyards	Marsh		Lake	✓ Road-major/n	
Industry	Orchards	Peat bog		Reservoir	Motorway	
✓ Settlement/Villages	Field Sizes	Moor/heath		Canal	Railway	
Urban	Boundaries – fencelines/hedges	Inter tidal mudi	lat	Waterfall	Boats/Ships/Fe	
Mineral Works				Ocean		
OCAL INFORMATION	DIFACE MAKE COLD FINE	ON THE LOCAL HEE OF	TILL	C	V	
	PLEASE MAKE COMMENT ocals as an amenity, is it a location			Surveyor Nam		
sider both local and internation		, men er temmer miereer		Date	26.10.2021	

SURVEY POINT NO	LOCATION	COORDINATES				DATE
Insert number stored in the GPS record	Write here the place name	Insert coordinates in	UTM W	GS84 (meters)	Ins	sert date as dd/mm/yyyy
VSR 02	Ban Paor	X 711277	Y 1694801		26.10.2021	
PANORAMIC	Surveyor Name	Xayyasit	Take some photographs that illustrate the characteristics of the		T .7	(CD02.1 VCD02.11
PHOTOS NO.'s	Date	26.10.2021		ape at this location	V	'SR02.1-VSR02.11
	Surveyor Name	Xayyasit				example "farmland with al landscape/ mountains
LANDSCAPE TYPE	Date	26.10.2021		Village alon	g the ro	ad, School
PROTECTED	Surveyor Name	Xayyasit	Identi		e Protect ect Area	ted Areas adjacent to the
AREAS	Date	26.10.2021	None			
TOPOGRAPHY	Surveyor Name	Xayyasit		Date		26.10.2021
TOTOGRAFITT	Tick one or more of th	ese if they correspond to the	landscape	e you see. You can add	options	in the blank cells.
✓ Flat	Plain	✓ Coast		Craggy (rocky steep, uneven pointed)		
Undulating	Rolling Lowland	Estuary		Mountain Ridg	ge	
Rolling	Plateau (a separate raised area above a flat area)			Scarp Cliff (vertion or almost vertice face)	ical	
Steep	✓ Rolling Hills	Narrow Valle	v	Deep Gorge		
-	NDCOVER AND LANDS)	Surveyor Nan	ne	Xayyasit
	ey correspond to the landscape yo blank cells.		n the	Date		26.10.2021
✓ Building/Structures	Farming	✓ Landcover/Vege	tation	Water		✓ Infrastructures
Farm Building	Pasture	Woodland - Coniferous/Decid	dous	River		Footpath
Masts/Poles	Olive Plantations	Scrub/thicke	t	Stream		Track
✓ Pylons	Vineyards	Marsh		Lake		✓ Road-major/mino
Industry	Orchards	Peat bog		Reservoir		Motorway
✓ Settlement/Villages	Field Sizes	Moor/heath		Canal		Railway
Urban	Boundaries – fencelines/hedges	Inter tidal mudi	lat	Waterfall		Boats/Ships/Ferrie
Mineral Works				Ocean		
✓ School						
OCAL INFORMATION (PLEASE MAKE COMMENT	ON THE LOCAL USE OF	THIS	Surveyor Nam	ie –	Xayyasit
	cals as an amenity, is it a location			July of Tulli		26.10.2021

SURVEY POINT NO	LOCATION	COORI	DINAT	TES	DATE
Insert number stored in the GPS record	Write here the place name	Insert coordinates in	UTM W	GS84 (meters)	Insert date as dd/mm/yyyy
VSR 03	Ran Dakea	X 734409	Y 1717973		3.11.2021
PANORAMIC	Surveyor Name	Xayyasit	Take some photographs that illustrate the characteristics of the		VSR03.1-VSR03.5
PHOTOS NO.'s	Date	3.11.2021		ape at this location	V5KU3.1-V5KU3.3
	Surveyor Name	Xayyasit			pe, for example "farmland with 'coastal landscape/ mountains
LANDSCAPE TYPE	Date	3.11.2021		Mountain,	forest, village
PROTECTED	Surveyor Name	Xayyasit	Identij		Protected Areas adjacent to the et Area
AREAS	Date	3.11.2021		No	one
TOPOGRAPHY	Surveyor Name	Xayyasit		Date	3.11.2021
1010011111	Tick one or more of the	se if they correspond to the	landscape		ptions in the blank cells.
✓ Flat	Plain	Coast		Craggy (rocky, steep, uneven, pointed)	
✓ Undulating	Rolling Lowland	Estuary		Mountain Ridge	e
Rolling	Plateau (a separate raised area above a flat area)	Broad Valley		Scarp Cliff (vertice or almost vertice face)	
Steep	✓ Rolling Hills	Narrow Valley	7	Deep Gorge	
DOMINANT LA	NDCOVER AND LANDS	CAPE ELEMENTS		Surveyor Nam	e Xayyasit
Tick one or more of these if th	ey correspond to the landscape you blank cells.	ı see. You can add options ii	n the	Date	3.11.2021
Building/Structures	Farming	✓ Landcover/Veget	tation	Water	Infrastructures
Farm Building	✓ Pasture	Woodland - Coniferous/Decid	lous	River	Footpath
Masts/Poles	Olive Plantations	✓ Scrub/thicke	et	Stream	Track
Pylons	Vineyards	Marsh		Lake	Road-major/minor
Industry	Orchards	Peat bog		Reservoir	Motorway
✓ Settlement/Villages	Field Sizes	Moor/heath		Canal	Railway
Urban	✓ Boundaries – fencelines/hedges	Inter tidal mudf	lat	Waterfall	Boats/Ships/Ferrie
Mineral Works				Ocean	
	PLEASE MAKE COMMENT C			Surveyor Name	Xayyasit
	ocals as an amenity, is it a location	of visit or tourist interest -		Date	3.11.2021

SURVEY POINT NO	LOCATION	COORI	OINAT	TES	DATE	
Insert number stored in the GPS record	Write here the place name	Insert coordinates in	UTM W	GS84 (meters)	Insert date as dd/mm/yyyy	
VSR 04	Ban Chalinσ	X 718458	Y 1704417		14/11/2021	
PANORAMIC	Surveyor Name	Xayyasit	that ill	ome photographs lustrate the teristics of the	NCDO4 4 NCDO4 0	
PHOTOS NO.'s	Date	14.112021		ape at this location	VSR04.1-VSR04.8	
	Surveyor Name	Xayyasit			ype, for example "farmland with l/coastal landscape/ mountains	
LANDSCAPE TYPE	Date	14.11.2021		Forest and Vi	illage nearby river	
PROTECTED	Surveyor Name	Xayyasit	Identi		Protected Areas adjacent to the ect Area	
AREAS	Date	14.11.2021		Village cemeteries		
TOPOGRAPHY	Surveyor Name	Xayyasit		Date	14.11.2021	
TOPOGRAPHI	Tick one or more of the	ese if they correspond to the	landscap	e you see. You can add	options in the blank cells.	
√ Flat	Plain	√ Coast		Craggy (rocky steep, uneven, pointed)		
Undulating	Rolling Lowland	Estuary		Mountain Ridg	ge	
Rolling	Plateau (a separate raised area above a flat area)	✓ Broad Valley	7	Scarp Cliff (vertion or almost vertice face)		
Steep	Rolling Hills	Narrow Valley	,	✓ Deep Gorge	2	
DOMINANT LA	NDCOVER AND LANDS	CAPE ELEMENTS		Surveyor Nan		
Tick one or more of these if th	ey correspond to the landscape you blank cells.	ı see. You can add options ir	ı the	Date	14.11.2021	
√ Building/Structures	Farming	√ Landcover/Veget	ation	Water	√ Infrastructures	
Farm Building	Pasture	Woodland - Coniferous/Decid	lous	√ River	Footpath	
Masts/Poles	Olive Plantations	Scrub/thicket		Stream	Track	
Pylons	Vineyards	Marsh		Lake	Road-major/minor	
Industry	Orchards	Peat bog		Reservoir	Motorway	
√ Settlement/Villages	Field Sizes	Moor/heath		Canal	Railway	
Urban	Boundaries – fencelines/hedges	Inter tidal mudf	at	Waterfall	Boats/Ships/Ferries	
Mineral Works				Ocean		
OCAL INFORMATION A	PLEASE MAKE COMMENT O	ON THE LOCAL USE OF	THIS	Surveyor Nam	e Xayyasit	
	ocals as an amenity, is it a location					
onsider both local and internation				Date	14.11.2021	

SURVEY POINT NO	LOCATION	COORI	DINAT	ΓES		DATE
Insert number stored in the GPS record	Write here the place name	Insert coordinates in	ı UTM WGS84 (meters)		Ins	ert date as dd/mm/yyyy
VSR 05	Ban Daktroh	X 729578	Y 1695290			31.10.2021
PANORAMIC	Surveyor Name	Xayyasit	that ill	ome photographs ustrate the teristics of the		
PHOTOS NO.'s	Date	31.10.2021		ape at this location	V	'SR05.1-VSR05.9
	Surveyor Name	Xayyasit				example "farmland with l landscape/ mountains
LANDSCAPE TYPE	Date	31.10.2021		Village,	School,	Road
PROTECTED	Surveyor Name	Xayyasit	Identi		Protecto ect Area	ed Areas adjacent to the
AREAS	Date	31.10.2021		Ν	Ione	
TOPOGRAPHY	Surveyor Name	Xayyasit		Date		31.10.2021
✓ Flat	Tick one or more of the	se if they correspond to the Coast	landscap	Craggy (rocky steep, uneven	·,	in the blank cells.
✓ Undulating	Rolling Lowland	Estuary		pointed) Mountain Ridg	TO.	
Rolling	Plateau (a separate raised area above a flat area)	Broad Valley		Scarp Cliff (vertion or almost vertice face)	ical	
Steep	✓ Rolling Hills	Narrow Valley	7	Deep Gorge		
DOMINANT LA	NDCOVER AND LANDS	CAPE ELEMENTS		Surveyor Nan	ne	Xayyasit
Tick one or more of these if th	ey correspond to the landscape you blank cells.	ı see. You can add options i	1 the	Date		31.10.2021
✓ Building/Structures	Farming	✓ Landcover/Veget	ation	Water		✓ Infrastructures
Farm Building	✓ Pasture	Woodland - Coniferous/Decid	lous	River		✓ Footpath
Masts/Poles	Olive Plantations	Scrub/thicket		Stream		Track
✓ Pylons	Vineyards	Marsh		Lake		Road-major/mino
Industry	Orchards	Peat bog		Reservoir		Motorway
✓ Settlement/Villages	Field Sizes	Moor/heath		Canal		Railway
Urban	Boundaries – fencelines/hedges	Inter tidal mudf	lat	Waterfall		Boats/Ships/Ferri
Mineral Works				Ocean		
✓ School						
OCAL INFORMATION	DIFACE MAKE COLUMN	NATURE LOCAL VICE	THE			V
	PLEASE MAKE COMMENT Cocals as an amenity, is it a location			Surveyor Nam	ie	Xayyasit
is it enjoyed by it	cono ao an amenity, to it a tocation	0) 0.011 01 10111101 111101001 =		Date		31.10.2021

SURVEY POINT NO	LOCATION	COORI	COORDINATES			DATE
Insert number stored in the GPS record	Write here the place name	Insert coordinates in	UTM W	GS84 (meters)	Inse	rt date as dd/mm/yyyy
VSR 06	Ban Dakdor	X 738363	Y 1700377		7 28.10.2021	
PANORAMIC	Surveyor Name	Xayyasit	Take some photographs that illustrate the characteristics of the		3 70	DDC 1 NGDC 0
PHOTOS NO.'s	Date	28.10.2021		ape at this location	VS	5R06.1-VSR06.8
	Surveyor Name	Xayyasit		scribe main landscape ty s" or "forest/ woodland		
LANDSCAPE TYPE	Date	28.10.2021		Fore	est, School	1
PROTECTED	Surveyor Name	Xayyasit	Identi	fy and Photographs the Proje	Protected ect Area	d Areas adjacent to the
AREAS	Date	28.10.2021	None			
TOPOGRAPHY	Surveyor Name	Xayyasit		Date		28.10.2021
TOTOGRAMM	Tick one or more of the	ese if they correspond to the	landscap	-		ı the blank cells.
✓ Flat	Plain	✓ Coast		Craggy (rocky steep, uneven, pointed)		
✓ Undulating	Rolling Lowland	Estuary		Mountain Ridg	ge	
Rolling	Plateau (a separate raised area above a flat area)		y	Scarp Cliff (vertion or almost vertice face)	cal	
Steep	Rolling Hills	Narrow Valley	7	Deep Gorge		
-	NDCOVER AND LANDS	,		Surveyor Nan	ne	Xayyasit
	ey correspond to the landscape you blank cells.		n the	Date		28.10.2021
✓ Building/Structures	Farming	✓ Landcover/Veget	tation	Water		Infrastructures
Farm Building	Pasture	Woodland - Coniferous/Decid		River		✓ Footpath
Masts/Poles	Olive Plantations	Scrub/thicket		Stream		Track
Pylons	Vineyards	Marsh		Lake		Road-major/mino
Industry	Orchards	Peat bog		Reservoir		Motorway
✓ Settlement/Villages	Field Sizes	Moor/heath		Canal		Railway
Urban	✓ Boundaries – fencelines/hedges	Inter tidal mudf	lat	Waterfall	1	Boats/Ships/Ferri
Mineral Works				Ocean		
✓ School						
OCAL INFORMATION A	PLEASE MAKE COMMENT (ON THE LOCAL USE OF	THIS	Surveyor Nam	0	Xayyasit
	ocals as an amenity, is it a location					
sider both local and internation		,		Date		28.10.2021

Insert number stored in the GPS record VSR 07	Write here the place name Dakchueng	Insert coordinates in X	UTM W	/GS84 (meters)	Insert date as dd/mm/yyyy	
	Dakchueng	X			73333	
		743524	Y 1710931		29.10.2021	
PANORAMIC	Surveyor Name	Xayyasit	Take some photographs that illustrate the characteristics of the		UCDOTA UCDOTO	
PHOTOS NO.'s	Date	29.10.2021		ape at this location	VSR07.1-VSR07.8	
	Surveyor Name	Xayyasit			ype, for example "farmland with d/ coastal landscape/ mountains	
LANDSCAPE TYPE	Date	29.10.2021		Urban, Roa	id, Store and Shop	
PROTECTED	Surveyor Name	Xayyasit	Identi		e Protected Areas adjacent to the ect Area	
AREAS	Date	29.10.2021		Λ	None	
TOPOGRAPHY	Surveyor Name	Xayyasit		Date	29.10.2021	
TOPOGRAPHI	Tick one or more of th	ese if they correspond to the i	landscap	e you see. You can add	options in the blank cells.	
✓ Flat	Plain	Coast		Craggy (rocky steep, uneven pointed)		
Undulating	✓ Rolling Lowland	Estuary		Mountain Ridg	ge	
✓ Rolling	Plateau (a separate raised area above a flat area)	Broad Valley		Scarp Cliff (vertion or almost vertice face)		
Steep	Rolling Hills	Narrow Valley	7	Deep Gorge		
DOMINANT LAI	NDCOVER AND LANDS	SCAPE ELEMENTS		Surveyor Nan	ne Xayyasit	
Tick one or more of these if the	ry correspond to the landscape yo blank cells.	u see. You can add options ir	ı the	Date	29.10.2021	
✓ Building/Structures	Farming	Landcover/Vegeta	tion	Water	✓ Infrastructures	
Farm Building	Pasture	Woodland - Coniferous/Decid	lous	River	Footpath	
✓ Masts/Poles	Olive Plantations	Scrub/thicket		Stream	Track	
✓ Pylons	Vineyards	Marsh		Lake	✓ Road-major/mine	
Industry	Orchards	Peat bog		Reservoir	Motorway	
✓ Settlement/Villages	Field Sizes	Moor/heath		Canal	Railway	
✓ Urban	Boundaries – fencelines/hedges	Inter tidal mudfl	lat	Waterfall	Boats/Ships/Ferrie	
Mineral Works				Ocean		
OCAL INFORMATION A	DI FACE MAVE COMBINE	ON THE LOCAL HER OF	THE	C	Vit	
OCAL INFORMATION (1 NDSCAPE - is it enjoyed by local international inter	cals as an amenity, is it a location			Surveyor Nam Date	29.10.2021	

SURVEY POINT NO	LOCATION	COOR	DINA	ΓES		DATE
Insert number stored in the GPS record	Write here the place name	Insert coordinates in	: ИТМ И	VGS84 (meters)	In	sert date as dd/mm/yyyy
VSR 08	Ban Chalernxay	X 722913	Y 1676582		23/11/2021	
PANORAMIC	Surveyor Name	Xayyasit	that il	Take some photographs that illustrate the characteristics of the		VSR08.1-VSR08.9
PHOTOS NO.'s	Date	23.112021	landsc	ape at this location		VOROO.1 VOROO.9
	Surveyor Name	Xayyasit				example "farmland with al landscape/ mountains
LANDSCAPE TYPE	Date	23.11.2021		Building	along	the road
PROTECTED	Surveyor Name	Xayyasit	Ident		Protec ect Area	eted Areas adjacent to the
AREAS	Date	23.11.2021		N	None	
TOPOGRAPHY	Surveyor Name	Xayyasit		Date		23.11.2021
TOLOGRAFIII	Tick one or more of th	ese if they correspond to the	landscap	pe you see. You can add	options	in the blank cells.
√ Flat	Plain	√ Coast		Craggy (rocky steep, uneven pointed)		
Undulating	✓ Rolling Lowland	Estuary		Mountain Ridge		
Rolling	Plateau (a separate raised area above a flat area)			Scarp Cliff (vertion or almost vertice face)	ical	
Steep	Rolling Hills	Narrow Valle	y	Deep Gorge		
_	NDCOVER AND LANDS			Surveyor Nan	ne	Xayyasit
Tick one or more of these if the	ey correspond to the landscape yo blank cells.	u see. You can add options i	n the	Date		23.11.2021
✓ Building/Structures	Farming	✓ Landcover/Vege	tation	Water		✓ Infrastructures
Farm Building	Pasture	Woodland - Coniferous/Decid	dous	√ River		Footpath
Masts/Poles	Olive Plantations	Scrub/thicke		Stream		Track
√ Pylons	Vineyards	Marsh		Lake		✓ Road-major/minor
Industry	Orchards	Peat bog		Reservoir		Motorway
✓ Settlement/Villages	Field Sizes	Moor/heath		Canal		Railway
Urban	Boundaries – fencelines/hedges	Inter tidal mudi	flat	Waterfall		Boats/Ships/Ferries
Mineral Works	_			Ocean		
LOCAL INFORMATION (Surveyor Nam	ie	Xayyasit
.ANDSCAPE – is it enjoyed by lo onsider both local and internation		a of visit or tourist interest -		Date		23.11.2021
There are a big village o	f Xanxay district					

SURVEY POINT NO	LOCATION	COORI	DINA	ΓES	DATE	
Insert number stored in the GPS record	Write here the place name	Insert coordinates in	итм и	/GS84 (meters)	Insert date as dd/mm/y	ууу
VSR 09	Ban Maithavone	X 738830	Y 1687061		23/11/2021	
PANORAMIC	Surveyor Name	Xayyasit	Take some photographs that illustrate the characteristics of the		VCD00 1 VCD00	0
PHOTOS NO.'s	Date	23.112021		ape at this location	VSR09.1-VSR09.	.8
	Surveyor Name	Xayyasit			ype, for example "farmland τ l/ coastal landscape/ mountai	
LANDSCAPE TYPE	Date	23.11.2021		Village an	d Casava farm	
PROTECTED	Surveyor Name	Xayyasit	Ident		Protected Areas adjacent to ect Area	the
AREAS	Date	23.11.2021	None			
TOPOGRAPHY	Surveyor Name	Xayyasit		Date	23.11.2021	
TOPOGRAPHY	Tick one or more of th	ese if they correspond to the	landscap	e you see. You can add	options in the blank cells.	
√ Flat	Plain	Coast		Craggy (rocky steep, uneven, pointed)		
✓ Undulating	Rolling Lowland	Estuary		Mountain Ridg	ge	
Rolling	Plateau (a separate raised area above a flat area)	Broad Valley		Scarp Cliff (vertion or almost vertice face)		
Steep	√ Rolling Hills	Narrow Valley	7	Deep Gorge		
DOMINANT LA	NDCOVER AND LANDS	SCAPE ELEMENTS		Surveyor Nan	1e Xayyasit	
Tick one or more of these if th	ey correspond to the landscape yo blank cells.	u see. You can add options i	n the	Date	23.11.2021	L
Building/Structures	√ Farming	Landcover/Vegeta	tion	Water	Infrastructui	res
√ Farm Building	Pasture	Woodland - Coniferous/Decid	lous	River	Footpath	
Masts/Poles	Olive Plantations	✓ Scrub/thicke	et	Stream	Track	
Pylons	Vineyards	Marsh		Lake	✓ Road-major/1	minor
Industry	Orchards	Peat bog		Reservoir	Motorway	
√ Settlement/Villages	Field Sizes	Moor/heath		Canal	Railway	
Urban	✓ Boundaries – fencelines/hedges	Inter tidal mudf	lat	Waterfall	Boats/Ships/Fe	erries
Mineral Works				Ocean		
OCAL INFORMATION	DI FACE MANT COAR STUT	ON THE LOCAL HEE OF	THE	0 77	V	
	PLEASE MAKE COMMENT (peals as an amenity, is it a location			Surveyor Nam Date	23.11.2021	

SURVEY POINT NO	LOCATION	COORI	DINAT	TES	DATE
Insert number stored in the GPS record	Write here the place name	Insert coordinates in	ı UTM WGS84 (meters)		Insert date as dd/mm/yyyy
VSR 11	Boundary Laos and Vietnam	X 754164	Y 1719633		29.10.2021
PANORAMIC	Surveyor Name	Xayyasit	that ill	ome photographs ustrate the teristics of the	LICDAA A LICDAA O
PHOTOS NO.'s	Date	29.10.2021		ape at this location	VSR11.1-VSR11.9
	Surveyor Name	Xayyasit			ype, for example "farmland with l/ coastal landscape/ mountains.
LANDSCAPE TYPE	Date	29.10.2021		Fores	t and Road
PROTECTED	Surveyor Name	Xayyasit	Identi		Protected Areas adjacent to the ect Area
AREAS	Date	29.10.2021		Boundary _l	protected area
TOPOGRAPHY	Surveyor Name	Xayyasit		Date	29.10.2021
TOTOGRATIT	Tick one or more of th	ese if they correspond to the	landscap		
Flat	Plain	Coast		Craggy (rocky steep, uneven pointed)	
✓ Undulating	Rolling Lowland	Estuary		✓ Mountain Rid	ge
Rolling	✓ Plateau (a separate raised area above a flat area)	Broad Valley		Scarp Cliff (vertion or almost vertice face)	
Steep	✓ Rolling Hills	Narrow Valley	7	Deep Gorge	
DOMINANT LA	NDCOVER AND LANDS	SCAPE ELEMENTS		Surveyor Nan	ne Xayyasit
Tick one or more of these if th	ney correspond to the landscape yo blank cells.	u see. You can add options i	n the	Date	29.10.2021
✓ Building/Structures	Farming	✓ Landcover/Vege	tation	Water	✓ Infrastructures
Farm Building	Pasture	✓ Woodland - Coniferous/Decid		River	Footpath
Masts/Poles	Olive Plantations	Scrub/thicket		Stream	Track
Pylons	Vineyards	Marsh		Lake	✓ Road-major/min
Industry	Orchards	Peat bog		Reservoir	Motorway
Settlement/Villages	Field Sizes	Moor/heath		Canal	Railway
Urban	Boundaries – fencelines/hedges	Inter tidal mudf	lat	Waterfall	Boats/Ships/Ferri
Mineral Works				Ocean	
	PLEASE MAKE COMMENT			Surveyor Nam	e Xayyasit
NDSCAPE – is it enjoyed by lo ider both local and internation	ocals as an amenity, is it a location	n of visit or tourist interest –		Date	29.10.2021

SURVEY POINT NO	LOCATION	COORDINATES				DATE
Insert number stored in the GPS record	Write here the place name	Insert coordinates in UTM WGS84 (meters)			Ins	ert date as dd/mm/yyyy
VSR 12	Ban Souksavang	X Y 747981 1677805			23/11/2021	
PANORAMIC	Surveyor Name	Xayyasit	that ill	ome photographs lustrate the teristics of the	Λ.	ICD12.1 VCD12.0
PHOTOS NO.'s	Date	23.112021		ape at this location	V	'SR12.1-VSR12.8
	Surveyor Name	Xayyasit				example "farmland with l landscape/ mountains
LANDSCAPE TYPE	Date	23.11.2021		Settlement	t along	the road
PROTECTED	Surveyor Name	Xayyasit	Identi		e Protecto ect Area	ed Areas adjacent to the
AREAS	Date	23.11.2021		Ν		
TOPOGRAPHY	Surveyor Name	Xayyasit		Date		23.11.2021
TOPOGRAPHI	Tick one or more of the	ese if they correspond to the	landscap	e you see. You can add	options i	in the blank cells.
√ Flat	Plain	√ Coast		Craggy (rocky steep, uneven pointed)		
Undulating	✓ Rolling Lowland	Estuary		Mountain Ridg	ge	
√ Rolling	Plateau (a separate raised area above a flat area)	-		Scarp Cliff (vertion or almost vertice face)		
Steep	Rolling Hills	Narrow Valley	7	Deep Gorge		
DOMINANT LA	NDCOVER AND LANDS	CAPE ELEMENTS		Surveyor Nan	ne	Xayyasit
Tick one or more of these if th	ey correspond to the landscape you blank cells.	u see. You can add options ii	ı the	Date		23.11.2021
√ Building/Structures	√ Farming	✓ Landcover/Veget	tation	1 Water		√ Infrastructures
Farm Building	Pasture	Woodland - Coniferous/Decid	lous	River		Footpath
✓ Masts/Poles	Olive Plantations	Scrub/thicket		Stream		Track
Pylons	Vineyards	Marsh		Lake		√ Road-major/minor
Industry	Orchards	Peat bog		Reservoir		Motorway
√ Settlement/Villages	Field Sizes	Moor/heath		Canal		Railway
Urban	Boundaries – fencelines/hedges	Inter tidal mudf	lat	Waterfall		Boats/Ships/Ferries
Mineral Works				Ocean		
LOCAL INFORMATION	N. F. A. C. P. A. A. C.	DATHE LOCAL HOP OF	THE	0		V
	PLEASE MAKE COMMENT Cocals as an amenity, is it a location		1 H15	Surveyor Nam	ie	Xayyasit
onsider both local and internation	and the control of th	- cy cross or towns timerest -		Date		23.11.2021

SURVEY POINT NO	LOCATION	COORI	DATE			
Insert number stored in the GPS record	Write here the place name	Insert coordinates in	UTM W	/GS84 (meters)	Insert date as dd/mm/yyyy	
VSR 13	Along the road	X 7235899	Y 235899 1689411		23/11/2021	
PANORAMIC	Surveyor Name	Xayyasit	that ill	ome photographs lustrate the eteristics of the	NCD10.1 NCD10.0	
PHOTOS NO.'s	Date	23.112021		cape at this location	VSR13.1-VSR13.9	
	Surveyor Name	Xayyasit			ype, for example "farmland with t/ coastal landscape/ mountains	
LANDSCAPE TYPE	Date	23.11.2021		Old farm	along the road	
PROTECTED	Surveyor Name	Xayyasit	Identi		e Protected Areas adjacent to the ect Area	
AREAS	Date	23.11.2021		None		
TODOCDADIIV	Surveyor Name	Xayyasit		Date	23.11.2021	
TOPOGRAPHY	•	ese if they correspond to the	landscap	e you see. You can add	options in the blank cells.	
Flat	√ Plain	√ Coast		Craggy (rocky steep, uneven, pointed)		
Undulating	✓ Rolling Lowland	Estuary		Mountain Ridg	ge	
√ Rolling	Plateau (a separate raised area above a flat area)	-		Scarp Cliff (vertion or almost vertice face)	ical	
Steep	Rolling Hills	Narrow Valley	7	Deep Gorge		
DOMINANT LA	NDCOVER AND LANDS	SCAPE ELEMENTS		Surveyor Nam	ne Xayyasit	
Tick one or more of these if th	ey correspond to the landscape yo blank cells.	u see. You can add options ir	ı the	Date	23.11.2021	
Building/Structures	Farming	Landcover/Vegeta	tion	Water	Infrastructures	
Farm Building	Pasture	Woodland - Coniferous/Decid	lous	River	Footpath	
✓ Masts/Poles	Olive Plantations	Scrub/thicket		Stream	Track	
Pylons	Vineyards	Marsh		Lake	✓ Road-major/minor	
Industry	Orchards	Peat bog		Reservoir	Motorway	
Settlement/Villages	Field Sizes	Moor/heath		Canal	Railway	
Urban	Boundaries – fencelines/hedges	Inter tidal mudf	lat	Waterfall	Boats/Ships/Ferries	
Mineral Works				Ocean		
LOCAL INFORMATION (PLEASE MAKE COMMENT (ON THE LOCAL USE OF	THIS	Surveyor Nam	xayyasit	
	ocals as an amenity, is it a location			Date	23.11.2021	

SURVEY POINT NO	LOCATION	COORI	ΓES	DATE		
Insert number stored in the GPS record	Write here the place name	Insert coordinates in	ИТМ И	IGS84 (meters)	Insert date as dd/mm/yyyy	
VSR 15	Sekamarn 3 Hydropower	X Y 753565 170663		29.10.2021		
PANORAMIC	Surveyor Name	Xayyasit	that ill	ome photographs lustrate the teristics of the		
PHOTOS NO.'s	Date	29.10.2021		cape at this location	VSR15.1-VSR15.8	
	Surveyor Name	Xayyasit			ype, for example "farmland with d/ coastal landscape/ mountains	
LANDSCAPE TYPE	Date	29.10.2021		River, Re	eservoir, Forest	
PROTECTED	Surveyor Name	Xayyasit	Identi		e Protected Areas adjacent to the ect Area	
AREAS	Date	29.10.2021		Reservoir	r protect area	
TOPOGRAPHY	Surveyor Name	Xayyasit		Date	29.10.2021	
TOTOGRATIT	Tick one or more of th	iese if they correspond to the	landscap	e you see. You can add	options in the blank cells.	
Flat	Plain	Coast		Craggy (rocky steep, uneven pointed)		
Undulating	Rolling Lowland	Estuary		Mountain Ridg	ge	
Rolling	Plateau (a separate raisec area above a flat area)			Scarp Cliff (vertion or almost vertice face)		
✓ Steep	✓ Rolling Hills	Narrow Valle	y	✓ Deep Gorge	e	
DOMINANT LA	NDCOVER AND LANDS	SCAPE ELEMENTS		Surveyor Nan	ne Xayyasit	
Tick one or more of these if th	ney correspond to the landscape yo blank cells.	ou see. You can add options i	n the	Date	29.10.2021	
✓ Building/Structures	Farming	✓ Landcover/Vege	tation	✓ Water	✓ Infrastructures	
Farm Building	Pasture	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	✓ Woodland – Coniferous/Decidous		Footpath	
Masts/Poles	Olive Plantations	Scrub/thicke	t	Stream	Track	
✓ Pylons	Vineyards	✓ Marsh		Lake	✓ Road-major/min	
Industry	Orchards	Peat bog		✓ Reservoir	,	
Settlement/Villages	Field Sizes	Moor/heath		Canal	Railway	
Urban	Boundaries – fencelines/hedges	Inter tidal mudi	lat	Waterfall	Boats/Ships/Ferrio	
Mineral Works				Ocean		
✓ Hydropower						
LOCAL INFORMATION	DIFASE MAKE COMMENT	ON THE LOCAL LIST OF	тите	Carryonan Ni	ne Xayyasit	
ANDSCAPE - is it enjoyed by l				Surveyor Nam	* *	
onsider both local and internation				Date	29.10.2021	

There are reservoir area and far from urban around 30km, this place can improve and developing to be tourism attraction.

SURVEY POINT NO	LOCATION	COOR	DINA	ΓES	DATE	
Insert number stored in the GPS record	Write here the place name	Insert coordinates in	ı UTM V	/GS84 (meters)	Insert date as dd/mm/yyyy	
VSR 16	Ban Chavik+Nalaiy	X		26.10.2021		
PANORAMIC	Surveyor Name	Xayyasit	that ill	ome photographs lustrate the teristics of the		
PHOTOS NO.'s	Date	26.10.2021		cape at this location	VSR16.1-VSR16.11	
	Surveyor Name	Xayyasit			rpe, for example "farmland witi / coastal landscape/ mountains	
LANDSCAPE TYPE	Date	26.10.2021		Forest	and River	
PROTECTED	Surveyor Name	Xayyasit	Ident		Protected Areas adjacent to the ct Area	
AREAS	Date	26.10.2021		N	one	
TOPOGRAPHY	Surveyor Name	Xayyasit		Date	26.10.2021	
	Tick one or more of th	ese if they correspond to the	e landscap	· -	·	
Flat	Plain	✓ Coast		Craggy (rocky, steep, uneven, pointed)		
Undulating	✓ Rolling Lowland	Estuary		Mountain Ridge	e	
Rolling	Plateau (a separate raised area above a flat area)	·		Scarp Cliff (vertical or almost vertical face)	cal	
Steep	Rolling Hills	Narrow Valle	ev.	Deep Gorge		
	ANDCOVER AND LANDS		<u>, </u>	Surveyor Nam	ıe Xayyasit	
Tick one or more of these if th	ey correspond to the landscape yo blank cells.	u see. You can add options	in the	Date	26.10.2021	
Building/Structures	Farming	Landcover/Veget	ation	✓ Water	Infrastructures	
Farm Building	Pasture	Woodland - Coniferous/Deci		✓ River	Footpath	
Masts/Poles	Olive Plantations	✓ Scrub/thicl	cet	Stream	Track	
Pylons	Vineyards	✓ Marsh		Lake	Road-major/min	
Industry	ž ž			Reservoir	Motorway	
Settlement/Villages	Field Sizes	✓ Moor/hea	th	Canal	Railway	
Urban	Boundaries – fencelines/hedges	✓ Inter tidal mu	dflat	Waterfall	Boats/Ships/Ferr	
Mineral Works				Ocean		
OCAL INFORMATION (PLEASE MAKE COMMENT	ON THE LOCAL USE O	F THIS	Surveyor Name	e Xayyasit	
				MILLO LOT I ANTILL	- , , ,	



Cluster A

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March 2022

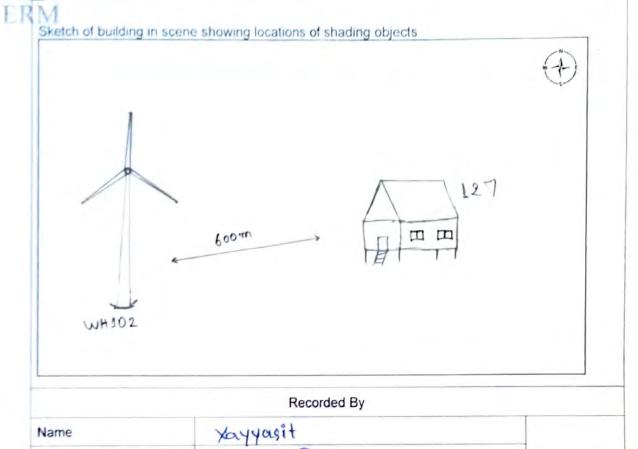


SF FIELD LOG SHEET

	Shadow Flicker S	urvey Field Note		
Survey Point	18	27		
Location	Village	District	Province	
	Daktiem	Dakchueva	Sekong	
Coordinate	N: 71866T	E: 1698317		
Type of building – Residential	√ House	Offices	Health Centre	
	Commercial	School	Other	
	Number of Storeys			
Evaluate key features	Number of Windows	2		
Evaluate key leatures	Number of inhabitants (if any)	5 persons		
Distance to the Nearest Turbine		600 m		
Turbine Identification Number of the Nearest Turbine		WH 102		

Window characteristics:

Туре	Height (m)	Width (m)	Direction	Covering Type	Note
Casement	0,8	0,5	Left	wood	
Casement	0,8	0,5	Right	wood	
		-			-
			-	-	-
		-			-
-: / / P	(ldina Deside	ntial	In front of (Facade) √ I	Behind
Direction of Bu	ilding – Reside	entiai	Left		Right
Photo numbers				SDF - 127	



Signature

Date

27.10.2021



Direction of Building - Residential

Photo numbers

SF FIELD LOG SHEET

		Shadow Flick	ker Survey	Field Note		
Survey Poin		137	137			
Landin		Village		District		Province
Location		Dak tiem) (Jak chueug	S	ekong
Coordinate		N:1698281	E: 1	718798		
Type of build	ling –	√ House		Offices		Health Centre
Residential		Commercial		School		Other
		Number of Store	ys	One raise	d fl	cor
Evaluate key	features	Number of Windows		None		
	Number of inhabitants (if any)		y)	4 Persons		
Distance to t	he Nearest	Turbine		730 m		
Turbine Identification Number of the Nearest Turbine				MH 705		
Window cha	racteristics:					
Туре	Type Height (m) Width (m) Di		Direction	irection Covering Type		Note

In front of (Facade) V

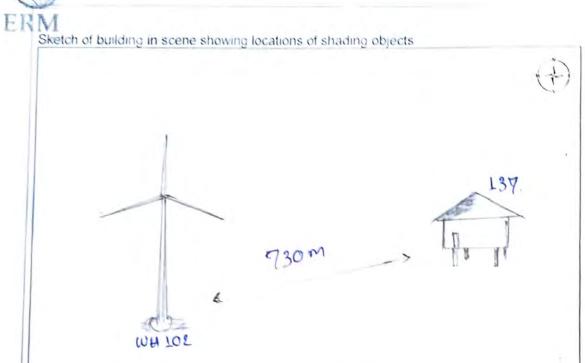
SPF-137

Left

Behind

Right





Recorded By				
Name	Xayyasit			
Signature	Out of	27.10.2021		

Cluster B

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March 2022

SDP - Newl

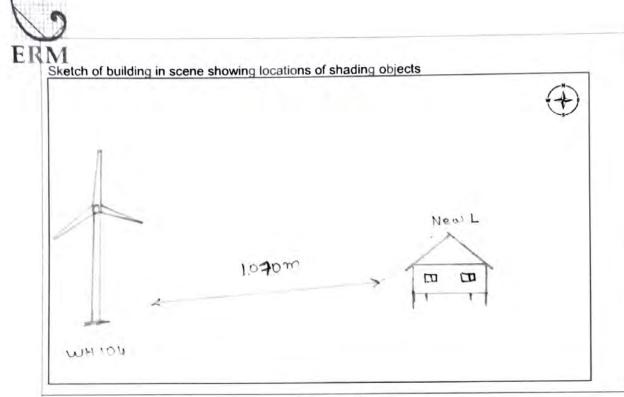




Photo numbers

SF FIELD LOG SHEET

		Shadow Fli	cker S	urvey Fie	ld Note		
Survey Point			New	L			
		Village	Village		istrict		Province
Location		Daktiem		Dake	neveng	5	exong
Coordinate		N: 169791	15	E: 710	9 667		
Type of buildi	ng –	✓ House		0	offices		Health Centre
Residential		Commercia	al	S	chool		Other
		Number of Stor	reys	0	the roise	ed f	loor
Evaluate key	features	Number of Win	dows		2		
		Number of inhabitants (if any)		12			
Distance to th	e Nearest T	urbine		1	1,170 m		
Turbine Ident Turbine	ification Num	nber of the Neare	st	ı	NH TOA		
Window chara	acteristics:						
Туре	Height (m) Width (m)	Di	rection	Covering T	ype N	lote
Casement	1	0,6	t	nfront	glass		2 windows
			100	19 Tev -1-12		T	
Direction of B	uilding – Res	sidential		front of (F	acade) V	Bel	nind



	Recorded By	
Name	xayyasit	
Signature	Sur	Date 9 (11 (202)

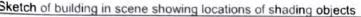


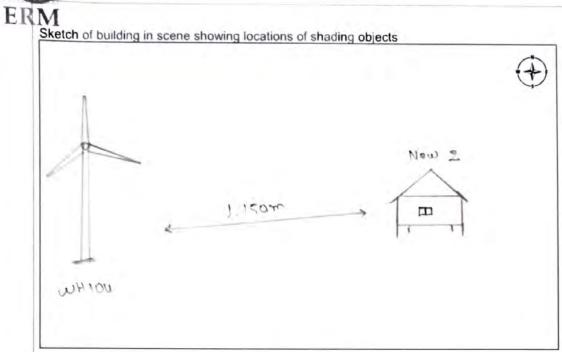


SF FIELD LOG SHEET

	Shadow Flick	er Survey Field Note			
	New	2			
	Village	District	Province		
	Daktiem	Dakchueng	Sekong		
	N: 1697902	E: 719660			
na –	✓ House	Offices	Health Centre		
.9	Commercial	School	Other		
	Number of Storey	s One rous	ed floor		
eatures	Number of Windo	ws			
N		3	3		
e Nearest T	urbine	1,150 m			
fication Nur	nber of the Nearest	wH	104		
cteristics:					
Height (m) Width (m)	Direction Covering	Type Note		
0,8	0,5	Infront wood	l.		
illding – Re	sidential	In front of (Facade) ✓	Behind		
	fication Num	Village Ock tiem N: 1697902 House Commercial Number of Storey Number of Windo Number of inhabitants (if any e Nearest Turbine fication Number of the Nearest octeristics: Height (m) Width (m)	Daktiem N: 1697902 E: 71960 House Offices Commercial School Number of Storeys Number of Windows Number of inhabitants (if any) e Nearest Turbine fication Number of the Nearest Utteristics: Height (m) Width (m) Direction Covering		







Recorded By				
Name	xayyasit			
Signature	Suy	Q111 2021		

Cluster C

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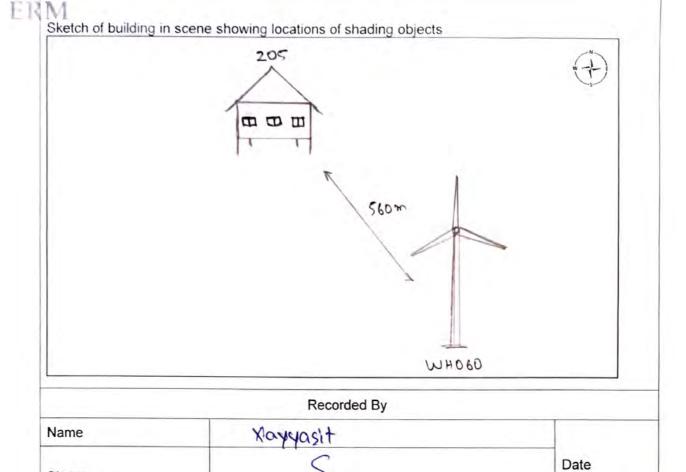


SF FIELD LOG SHEET

	Shadow Flicker S	urvey Field Note		
Survey Point	205			
Location	Village	District	Province	
	Dak Kang	Dakchueng	Sekong	
Coordinate	N: 1709697	E: 722239		
Type of building – Residential	√ House	Offices	Health Centre	
	Commercial	School	Other	
	Number of Storeys	One raised	floor	
Evaluate key features	Number of Windows	12		
	Number of inhabitants (if any)	8 persons		
Distance to the Nearest Turbine		560 m		
Turbine Identification Number of the Nearest Turbine		MH 090		

Window characteristics:

Туре	Height (m)	Width (m)	Direction	Covering Type	Note
Casement	1	0,6	moont	wood	e windows (don't use
			Right	wood	4 windows
			left	wood	4 windows
			behind	wood	2 windows
Direction of B	uilding – Reside	ential	In front of (F	acade) E	Behind
Direction of B	diding – resid	ciliai	Left √	F	Right
Photo numbe	rs		31	DF - 205	



29,10,2021

Signature

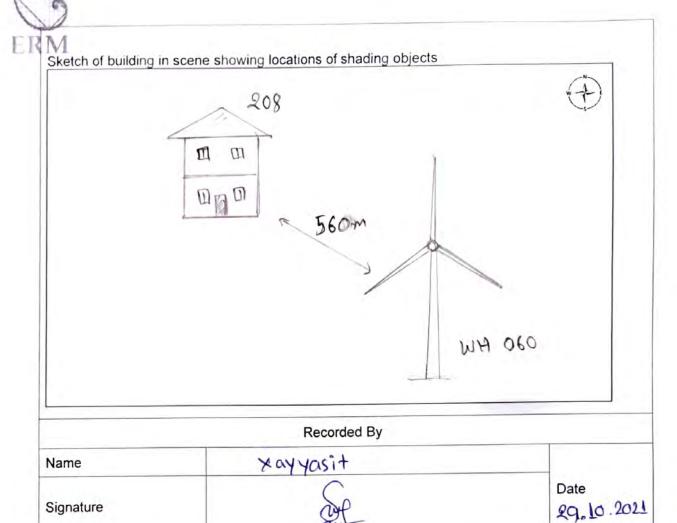


SF FIELD LOG SHEET

	Shadow Flicker S	urvey Field Note		
Survey Point	208			
Location	Village	District	Province	
	Dakkang	Dak Chueng	Sekong	
Coordinate	N: 1709780	E: 722259		
Type of building – Residential	√ House	Offices	Health Centre	
	Commercial	School	Other	
Evaluate key features	Number of Storeys	Touc floo	15	
	Number of Windows	20		
	Number of inhabitants (if any)	6 persons		
Distance to the Nearest Turbine		560 m		
Turbine Identification Number of the Nearest Turbine		MA 090		

Window characteristics:

Туре	Height (m)	Width (m)	Direction	Covering Type	Note
Casement	1,20	0,6	in front	wood	2 windows
u	N	u	behird	wood	4 windows
U	u	u	left	wood	4 windows
u	u	N	Right	wood	Lo windows
		-0-1	In front of (F	acade) B	ehind
Direction of Building – Residential		Left ✓ R		Right	
Photo numbers		SDF-208			



Cluster E

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March 2022

Chart NI -	
Sheet N.:	



SF FIELD LOG SHEET

		Shadow Flicke	r Survey	Field Note		
Survey Poi	nt		161			
Location		Village		District	Province	
		Dakyen	Dakchnerg		Sekong	
Coordinate		N: 1609054	E:	728907		
Type of building – Residential		√ House		Offices	Health Centre	
		Commercial		School	Other	
Evaluate key features		Number of Storeys				
		Number of Window	/s	None		
		Number of inhabitants (if any)		5 persons		
Distance to the Nearest Turbine				1,030 m		
Turbine Identification Number of the Nearest Turbine				MH TOTO		
Window ch	aracteristics:					
Type Height (m) Width (m)	Direction	Covering Ty	rpe Note	

In front of (Facade) ✓

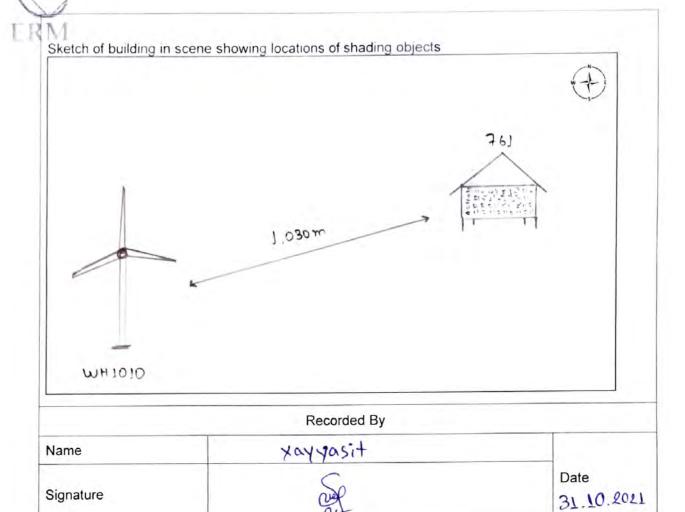
Left

Direction of Building - Residential

Photo numbers

Behind

Right

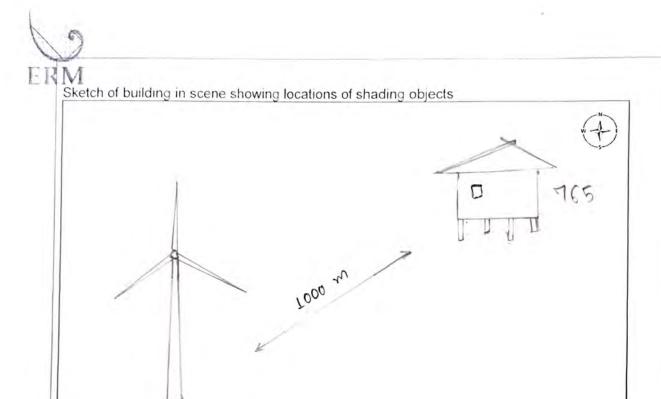




SF FIELD LOG SHEET

		Shadow Flic	ker S	Survey Fiel	d Note		
Survey Po	pint	int		165			
Location		Village		D	istrict		Province
		Dak you		Dak	chueng		Sekony
Coordinate	e	N: 1699044		E: 728013			
Type of building – Residential		House		0	ffices		Health Centre
		Commercial		S	chool		√ Other
		Number of Storeys			One saige	1 8	1001
Evaluate key features		Number of Windows		1			
		Number of inhabitants (if any)		2 persons (dormitory teacher			
Distance to	the Nearest	Turbine			1000 M		
Turbine Ide Turbine	entification Nu	mber of the Neares	t		MH TOT	0	
Window ch	aracteristics:						
Туре	Height (n	m) Width (m)	Di	irection	Covering T	ype	Note
	0,3	0,2	ı	infront			
					*		
and the sales			Ir	n front of (F	acade) V	В	ehind
irection of	Building - Re	esidential		eft		R	ight

SDP - 165



	Recorded By	
Name	Xayyasit	10
Signature	Cury	Date 31.10.202L

MH T010

Cluster F

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March 2022





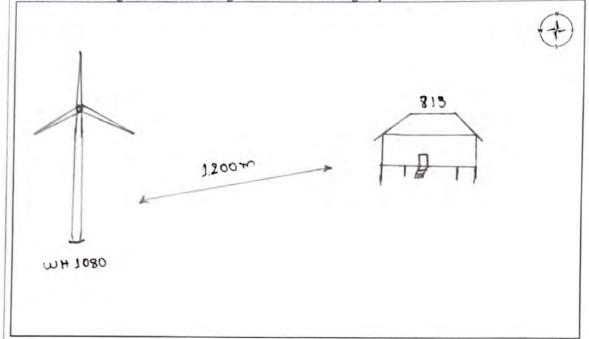
SF FIELD LOG SHEET

Village Daktreb	3 District	Province	
	District	Province	
Daktreb		110411100	
	Dak Chueng	Sekong	
N: 1695308	E: 729170	29170	
√ House	Offices	Health Centre	
Commercial	School	Other	
Number of Storeys	One raisec	l floor	
Number of Windows	None		
Number of inhabitants (if any)	5 persons		
Turbine	1,200 m		
mber of the Nearest	MH T080		
m) Width (m) Di	irection Covering T	ype Note	
esidential		Behind Right	
	Commercial Number of Storeys Number of Windows Number of inhabitants (if any) Turbine Imber of the Nearest m) Width (m) Directions of the sesidential	Commercial School Number of Storeys One saised Number of Windows None Number of inhabitants (if any) Turbine 1,200 m Import of the Nearest WH 1080 In front of (Facade) V	

SDF - 813



ERM
Sketch of building in scene showing locations of shading objects



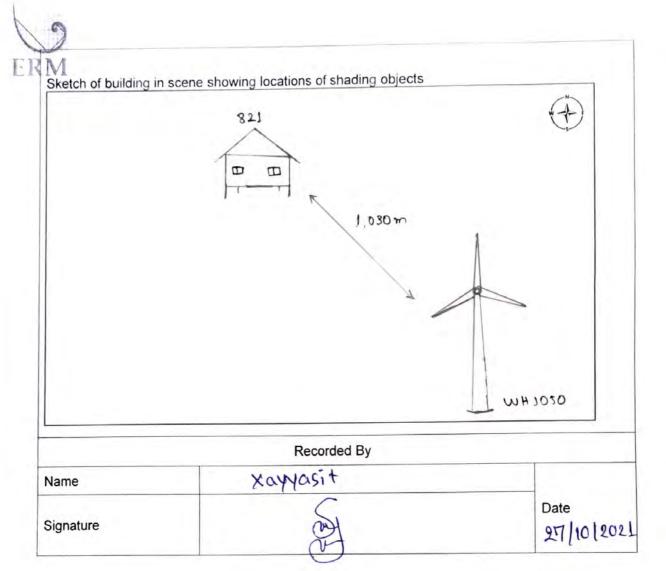
	Recorded By	
Name	x ayyasit	
Signature	See	Date 27. €10. 2021



	Shadow Flicker S	Survey Field Note		
Survey Point	821			
	Village	District	Province	
Location	Daktreb	Dakchueng	serong	
Coordinate	N: 1695296	E: 729 190		
Type of building – Residential	√ House	Offices	Health Centre	
	Commercial	School	Other	
	Number of Storeys	One saised floor		
Evaluate key features	Number of Windows	5		
	Number of inhabitants (if any)	77		
Distance to the Nearest Turbine		1,030m		
Turbine Identification Nu Turbine	mber of the Nearest	WH LOS	60	

Window characteristics:

Туре	Height (m)	Width (m)	Direction	Covering Type	Note
Casement	1	0,6	In front	wood	
u	u	u	Left	wood	
u	u	u	behind	wood	
×	*	×			
			In front of (Fa	acade) B	ehind
Direction of Bu	uilding – Reside	ential	Left V	acado,	ight
Photo numbers	S			F - 821	



Cluster F1

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March 2022

heet	N.:	13
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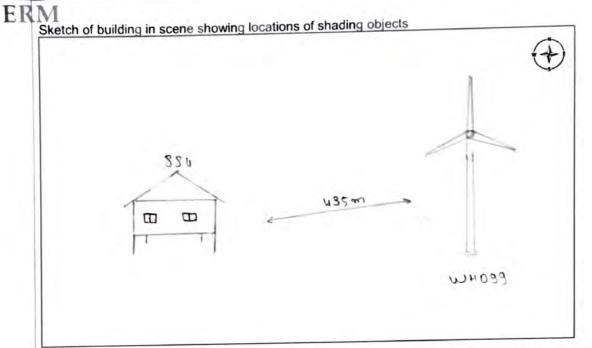


	Shadow Flicker S	survey Field Note		
Survey Point	884			
	Village	District	Province	
Location	Dakyen	Dak chueng	Sekong	
Coordinate	N: 1699981	E: 729451		
Type of building –	House	Offices	Health Centre	
Residential	Commercial	School	Other	
	Number of Storeys	One raised	floor	
Evaluate key features	Number of Windows	2		
	Number of inhabitants (if any)	8 person	15	
Distance to the Nearest	Turbine	435 m		
Turbine Identification Nu Turbine	mber of the Nearest	WH OP	9	

Window characteristics:

Туре	Height (m)	Width (m)	Direction	Covering Type	Note
Casement	0,6	0,3	infront	wood	
Casement	0,6	0,3	behind	wood	
Direction of Bu	ilding – Reside	ential	In front of (Fa		ehind V





Recorded By					
Name	xayyasit				
Signature	S	31 (10 1202)			



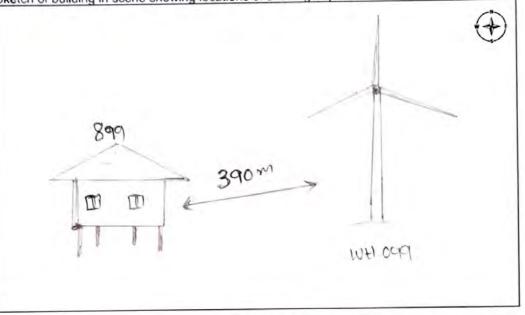
Sheet N.:	14	

	Shadow Flicker S	Survey Field Note		
Survey Point	8	99		
Location	Village	District	Province	
Cocation	Dakyen	Dakchuena	Sekong	
Coordinate	N: 729489	E: L699988		
Type of building -	√ House	Offices	Health Centre	
Residential	Commercial	School	Other	
	Number of Storeys	one raised floor		
Evaluate key features	Number of Windows	4		
	Number of inhabitants (if any)	5 persons		
Distance to the Nearest Turbine		390m		
Turbine Identification Nu Turbine	mber of the Nearest	WH COO		

Window characteristics:



ERM
Sketch of building in scene showing locations of shading objects

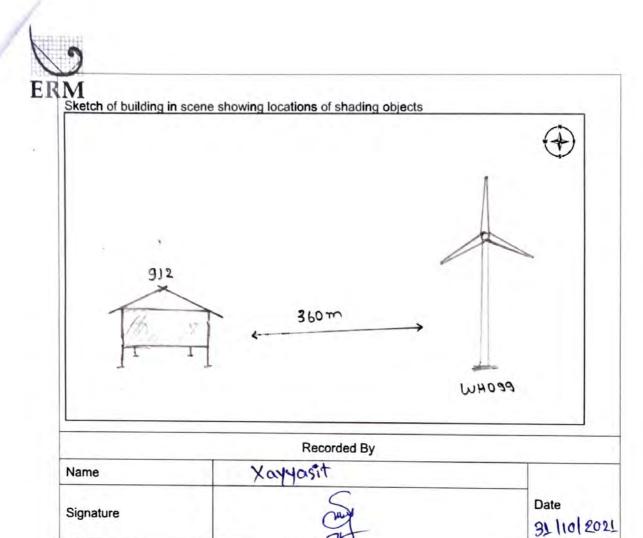


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Name	xayyasit	
Signature	Sw)	Date 31.110 [2021

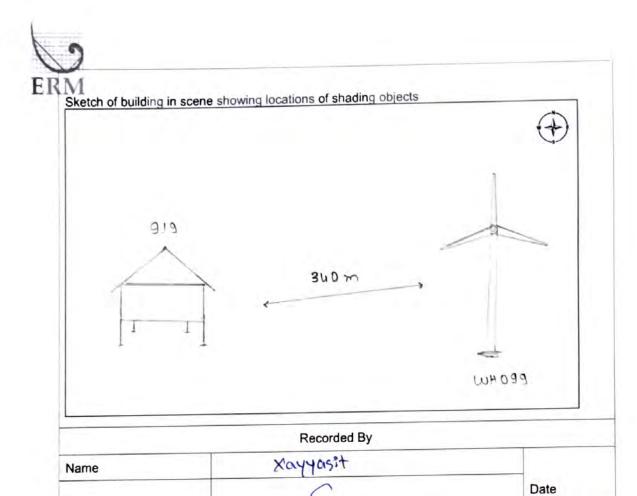
Sheet N.:	15	



		Shadow FI	icker S	urvey Fie	eld Note		
Survey Poin	t		912				
		Village	Village		District		Province
Location		Dakyen		Dak	chueng		Sekong
Coordinate		N: 16999	74	E: \	129520		
Type of building – Residential		√ House		(Offices		Health Centre
		Commercial		5	School		Other
		Number of Sto	reys	(one raise	ed d	floor
Evaluate key features		Number of Windows		None			
Evaluate ne	Number of inhabitants (if any)			Lo persons			
Distance to	the Nearest	Turbine			360M		
Turbine Ider Turbine	ntification Nu	mber of the Neare	est	u	PP0 H		
Window cha	racteristics:						
Туре	Height (m) Width (m)	Di	rection	Covering	Туре	Note
	1		1.	n front of (f	Facade)	Be	ehind V
Direction of	Building – R	esidential		eft	uoudo)	-	ght



		Shadow Flicker	Survey Fie	ld Note		
Survey Point			919			
Location		Village	C	District	Province	
		Duryen	Dake	chueng	Sekong	
Coordinate		N: 1699974	E: 72	9545		
Type of building – Residential	_	√ House	C	Offices	Health Centre	
		Commercial	S	School	Other	
Evaluate key features		Number of Storeys	C	the raise	d floor	
	tures	Number of Window	s	None		
		Number of nhabitants (if any)		5 persons		
Distance to the N	learest Turl	oine		340 m		
Turbine Identifica Turbine	ation Number	er of the Nearest	V	NH 099		
Window characte	eristics:					
Туре Н	leight (m)	Width (m)	Direction	Covering	Type Note	
Direction of Build	ina – Resid	ential	In front of (F	acade)	Behind V	
Direction of Dolla	ing - Nesid	omiai	Left		Right	



Signature

31/10/2021

Cluster G

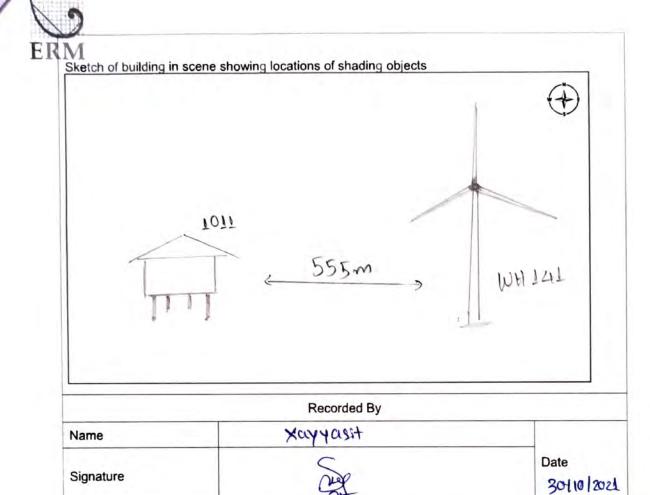
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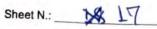
March 2022





		Shadow File	Ker S	Survey Fie	id ivoto	
Survey Point			10	II		
7,		Village			District	Province
Location		Dakbrang		Dak	chueng	Sekong
Coordinate	n: 1699470			E: 729697		
Type of building – Residential		√ House		C	Offices	Health Centre
		Commercial		- X	chool	Other
	N	Number of Storeys		(one raise	ed floor
Evaluate key features		Number of Windows			None	
		Number of inhabitants (if any)		1		
Distance to the Neares	t Turbi	ne			555 M	
Turbine Identification In Turbine	Number	of the Neares	t		WH LUL	
Window characteristics	<u>s:</u>					
Type Height	(m)	Width (m)	Di	rection	Covering T	ype Note
						0.1
			-		-	
	20.00		Ir	front of (F	acade)	Behind V
Direction of Building -	Reside	ntial		eft		Right
Photo numbers	0.274		L		PF - 10	



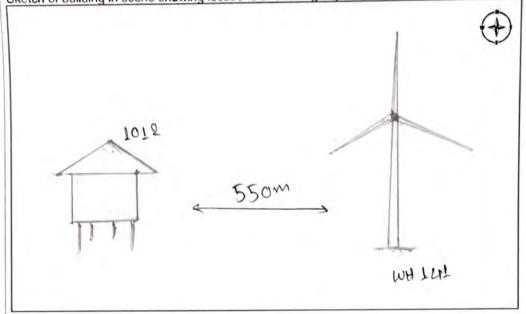




		Shadow Fli	cker S	Survey F	ield Note		
Survey Po	pint		TOT 8				
Location		Village	Village		District		Province
		Dakbrang		Dak	Rchueng		Sekong
Coordinate	9	N: 169949	5	E:	6994 72	96	
Type of building – Residential		√ House			Offices		Health Centre
		Commercia	al		School		Other
		Number of Store	eys	(The raise	d of	loor
Evaluate key features		Number of Wind	Number of Windows		None		
Number of inhabitants (if a				15 persons			
Distance to	the Nearest	Turbine			550 m		
Turbine Ide Turbine	entification Nu	mber of the Neares	t		WH TAT		
Window ch	aracteristics:						
Туре	Height (n	n) Width (m)	Dire	Direction Coveri		ng Type Note	
							· ·
			1				
Direction of	Building - Re	sidential		ront of (Fa	acade)		hind V
	pers		Lef			Rig	



ERM
Sketch of building in scene showing locations of shading objects



	Recorded By	
Name	Xayyasit	
Signature	Single	90 (10 (2021

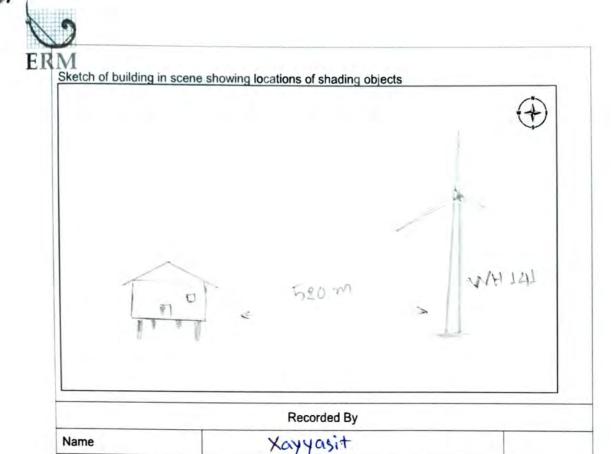
Sheet N.:	20	



	Shadow Flicker S	urvey Field Note			
Survey Point	1021				
	Village	District	Province		
Location	Dak brang	Dakchweng	Sekong		
Coordinate	N: 1699428	E: 729720			
Type of building – Residential	√ House	Offices	Health Centre		
	Commercial	School	Other		
	Number of Storeys	One raised	d floor		
Evaluate key features	Number of Windows	L			
	Number of inhabitants (if any)	10 persons			
Distance to the Nearest	Turbine	520 m			
Turbine Identification Number of the Nearest Turbine		MHTAT			

Window characteristics:

Туре	Height (m)	Width (m)	Direction	Covering Type	Note
Opened	0,3	0,2	Left	No	
		-			
Direction of	Building - Reside	ential	In front of (Facade) B	ehind V
	V. 10 10 11 11 11 11 11		Left	R	light
Photo numb	ers			SDF - 1021	



Signature

Date

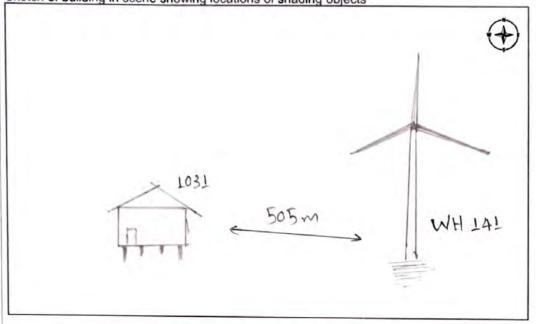
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		Shadow Flicke	er Su	urvey Field	d Note	
t			103	L		
	1	Village		District		Province
	D	akbrang		Dake	hueng	Sekong
	-	THE PARTY OF THE P		E: 7	29744	
Coordinate Type of building – Residential		√ House		0	ffices	Health Centre
		Commercial		S	chool	Other
	Nu	mber of Storey	s	0	ne raised	f1006
Evaluate key features	Number of Windows		None			
Evaluate key loaterse		Number of inhabitants (if any)		9 persons		
the Nearest	Turbi	ne			605m	
entification Nu	umber	of the Nearest		W	H 14L	
aracteristics:						
aracteristics:	_	Width (m)	Di	irection	Covering Ty	pe Note
11111111	_	Width (m)	Di	irection	Covering Ty	pe Note
11111111	_	Width (m)	Di	irection	Covering Ty	pe Note
11111111	_	Width (m)	Di	irection	Covering Ty	pe Note
11111111	_	Width (m)	Di	irection	Covering Ty	pe Note
11111111	_	Width (m)	Di	irection	Covering Ty	pe Note
11111111	_	Width (m)	Di	irection	Covering Ty	pe Note
11111111	(m)			n front of (F		pe Note
	ding – ey features the Nearest	N: ding - Nu	village Continuation N: L699498 House Commercial Number of Storey Number of Windo Number of inhabitants (if any the Nearest Turbine	Village Village Dokkbrong N: 1690498 House Commercial Number of Storeys Number of Windows Number of inhabitants (if any)	Village Disconsisted Park of Storeys Number of Storeys Number of inhabitants (if any) Village Disconsisted Dark of Dark of Storeys Number of inhabitants (if any)	Village District Dakbrang Dakchueng N: 16901498 E: 729744 House Offices Commercial School Number of Storeys One Faised Number of Windows Number of inhabitants (if any) The Nearest Turbine District District District Dakchueng E: 729744 Village Offices None Persons One Persons O



ERM
Sketch of building in scene showing locations of shading objects



	Recorded By	
Name	Xayyasit	
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Cluster G1

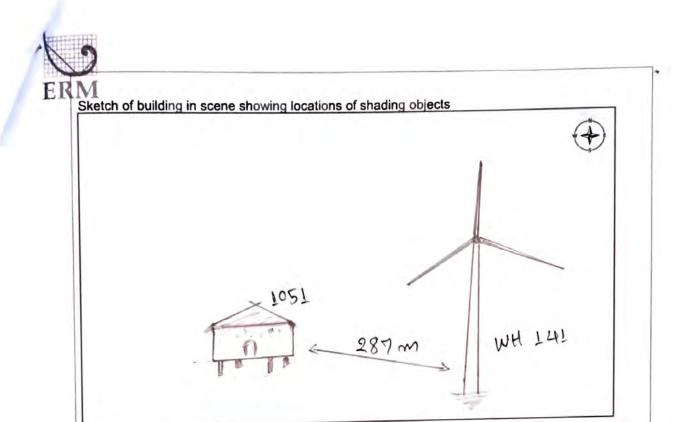
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March 2022





			Shadow Flicke	r Survey F	ield Note		
Survey Poi	nt		105	L			
			Village		District	Province	
Location		0	akbrang	Dak	chueng	Sekong	
Coordinate		N:	1699461		129958		
Type of bu	ildina –		House		Offices	Health Centre	
Residentia			Commercial		School	Other	
		N	umber of Storey	s	One raise	ed floor	
Evaluate k	ey features	N	umber of Window		None		
Evaluate key reaktives		1 1 1 1 1 1 1 1	umber of habitants (if any		LL		
Distance to	the Nearest	Turbi	ne		287 m		
Turbine Ide	entification Nu	mber	of the Nearest		MH T	41	
Window ch	naracteristics:						
Туре	Height (ı	n)	Width (m)	Direction	Covering	Type Note	
			-				
		Y. Ve		In front of	(Facade)	Behind V	
Direction of Building – Residential					1		
Direction o	or Building – R	eside	andai	Left		Right	



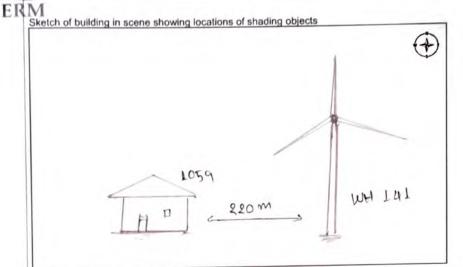
Recorded By					
Name	Xayyasit				
Signature	Say.	30(10(202)			





			Shadow Flick	er S	urvey Fiel	d Note		
Survey Point		10	59					
1.1.41			Village		District			Province
Location	Location		bkbrang		Dakchueng		5	ekong
Coordinate			N: 1699432		E: 730025			
Type of buildin	a –		✓ House		0	ffices		Health Centre
Residential	3		Commercial		S	chool		Other
		Nu	ımber of Storey	s	C	ne floor	٢	
Evaluate key fe	eatures	Nu	ımber of Windo	ws		1		
Evaluation to y toution of		Number of inhabitants (if any)			2			
Distance to the	Nearest T	urbir	ne		0	220 m		
Turbine Identifi Turbine	ication Nur	nber	of the Nearest		ı	UH LUL		
Window chara	cteristics:							
Туре	Height (m	1)	Width (m)	Di	rection	Covering 1	ype N	lote
Casement	0,2		0,2	4	pehind	wood		
				-				
				-				
SALTING TEV	II.			Ir	n front of (Fa	acade)	Beh	ind V
Direction of Bu	ilding – Re	side	ntial		eft		Rigi	nt
Photo numbers				-	50	0	105	





	Recorded By	
Name	Xayyasit	
Signature	S	Date
	Comp	301101202

Behind

Right



SF FIELD LOG SHEET

		Sha	dow Flic	ker Su	rvey Fiel	d Note		
Survey Point		10			66			
			Village		District		Province	
Location		Dakbrang			Dance	hueng	Sekono	4
Coordinate		N: 16	99631		E: 730	046		
Type of build	ling –		House		O	fices	Health C	entre
Residential		Commercial			√ Se	chool	Othe	r
		Number of Storeys			One floor			
Evaluate key	Evaluate key features		Number of Windows			Along building		
			Number of inhabitants (if any)		>90 persons (students)			
Distance to t	he Nearest	Turbine				260 m		
Turbine Iden Turbine	tification Nu	mber of th	e Neares	t		WH 141		
Window cha	racteristics:							
Туре	Height (n	n) Wi	dth (m)	Dire	ection	Covering Type	e Note	
opened				lu	front	NO	open along	building
Opened				8	ehind	u	V	

In front of (Facade)

SDF - 1066

Left

Direction of Building - Residential

Photo numbers



Sketch of building in scene showing locations of shading objects

1066

260 m

WH 1212

	Recorded By	
Name	xayyasit	
Signature	The state of the s	20 (10 (2021

Cluster H

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March 2022



Sheet N.: 25

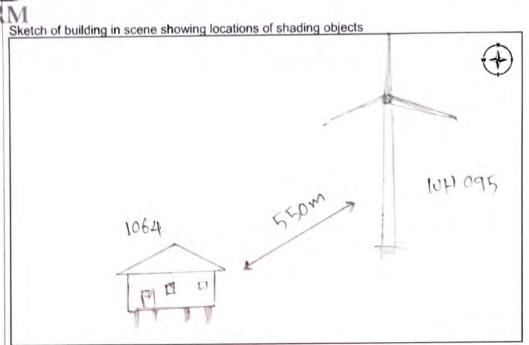
SF FIELD LOG SHEET

	Shadow Flicker S	urvey Field Note				
Survey Point	1064 - 1065					
1.0.1	Village	District	Province			
Location	Oak brang	Dakehueng	Sekong			
Coordinate	N: 1698537	E: 730035				
Type of building – Residential	√ House	Offices	Health Centre			
	Commercial	School	Other			
	Number of Storeys	One vaise	d floor			
Evaluate key features	Number of Windows	3				
•	Number of inhabitants (if any)	22				
Distance to the Nearest	Turbine	550 M				
Turbine Identification Number of the Nearest Turbine		WH 095				

Window characteristics:

Туре	Height (m)	Width (m)	Direction	Covering Type	Note
Casement	0,8	0,8	infront	wood	
Casement	0,8	0,8	behind	wood	
opened	0,3	0,3	behind	No	
Disastian of Ru	ildia - David		In front of (Fa	cade) B	ehind V
Direction of Bu	ilding – Reside	enuai	Left	R	light
Photo numbers	5		5	DF - 106	4-106





	Recorded By	
Name	xayyasit	
Signature	aus	Date 30(10/2021

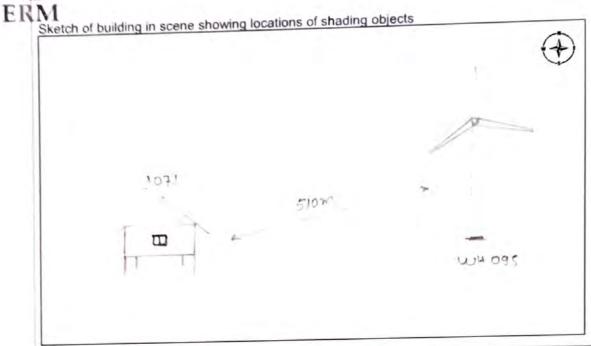


	Shadow Flicker S	urvey Field Note		
Survey Point	To	71		
	Village	District	Province	
Location	Dukhming	Dokehueng	Sekong	
Coordinate	N 1698590	E: 730058		
Type of building – Residential	∨ House	Offices	Health Centre	
	Commercial	School	Other	
	Number of Storeys	One raised	Aloo.	
Evaluate key features	Number of Windows	1		
Liacon te, toures	Number of inhabitants (if any)	10		
Distance to the Nearest	Turbine	510m		
Turbine Identification Nu Turbine	imber of the Nearest	WH 095		

Туре	Height (m)	Width (m)	Direction	Covering Type Note
Cosement	0,8	0,6	instruct	wood

Designed of Building Booksetol	In front of (Facade)	Behind V
Direction of Building - Residential	Left	Right
Photo numbers	SPF -	1701





	Recorded By	
Name	Xayyasit	
Signature	Suppl	Date 30 (10 202)

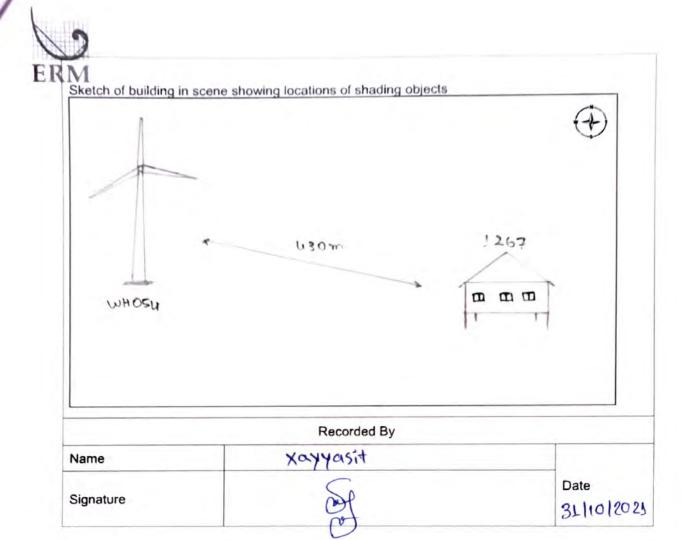
Cluster I

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	Shadow Filcker S	Survey Field Note			
Survey Point	126	57			
Location	Village	District	Province		
	Dakkan	Dakchueng	Sekong		
Coordinate	N: 170 2232	E: 739306			
Type of building – Residential	√ House	Offices	Health Centre		
	Commercial	School	Other		
	Number of Storeys	One Voused	floor		
Evaluate key features	Number of Windows	3			
	Number of inhabitants (if any)	9 Persons			
Distance to the Nearest	Turbine	430 m			
Turbine Identification Nu Turbine	mber of the Nearest	W H 054			

Туре	Height (m)	Width (m)	Direction	Covering Ty	pe Note
Casement	1,2	0,8	Infront	wood	
N	u	M	behind	wood	
u	u	u	left	wood	
Direction of Bu	ilding – Reside	ential	In front of (Fa	icade)	Behind
Direction of Bu	ilding - Reside	muai	Left		Right V
Photo numbers			SDI	P-126	7





Sheet N.:	29	

		Shadow Flic	ker Survey Fi	eld Note	
Survey Point	1		1269		
Location		Village		District	Province
		Dakkan	Dock	Chueng	Sekong
Coordinate		N: 1702236	E: 7	39323	5
Type of build	ling –	House		Offices	Health Centre
Residential	tial Comr			School	Hat Other
Evaluate key features		Number of Storey	/s (One floor	
		Number of Windo	ows	2	
		Number of inhabitants (if any)		
Distance to t	he Nearest Tur	bine		452 m	
Turbine Iden Turbine	tification Numb	er of the Nearest		UH 054	
Window cha	racteristics:				
Туре	Height (m)	Width (m)	Direction	Covering Ty	ype Note
opened	0,8	0,5	Right	wood	Con't open

In front of (Facade)

SDF -

Left

Direction of Building - Residential

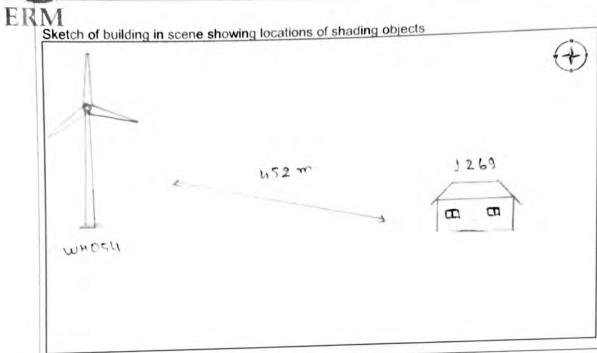
Photo numbers

Behind

Right V

1269





	Recorded By	
Name	xayyasit	
		Date
Signature		31/10/2021





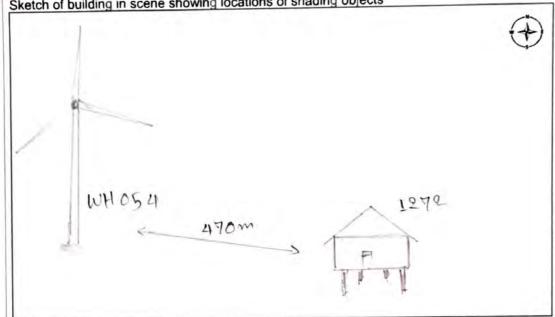
Photo numbers

SF FIELD LOG SHEET

		,	Shadow Flick	61 31	diver ite.	u Hote	
Survey Point			1272				
			Village		D	istrict	Province
Location	Dark Rom			Dak	chueng	Sekong	
Coordinate		N: 1702228		E: 739341			
Type of building		House		0	offices	Health Centre	
Type of building – Residential		Commercial		School		V Other	
		Number of Storeys Number of Windows		0	ne vaised	floor	
Evaluate key fe	atures			None			
Evaluate ney realists	aldi 00	Number of inhabitants (if any)			4	(A Hat)	
Distance to the	Nearest 1	Γurbi	ne			470m	
Turbine Identifi Turbine	cation Nu	mber	of the Nearest			wel og	4
Window charac	cteristics:						
Type Height (n)	Width (m)		irection	Covering T	ype Note
Туре							
Туре							
Туре						1	
Туре							
Туре							
Туре							
Туре							
Type Direction of Bu				II.	n front of (F	Facade)	Behind



Sketch of building in scene showing locations of shading objects



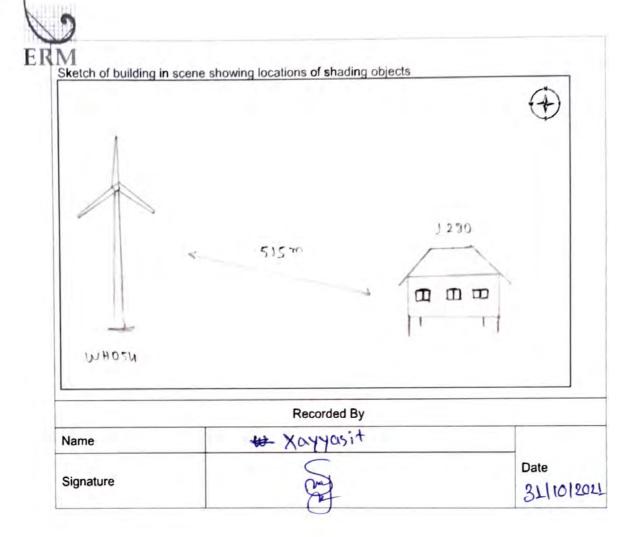
Recorded By					
Name	xayyasit				
Signature	Sup	Date 31/10/2021			





	Shadow Flicker S	urvey Field Note			
Survey Point	1280				
	Village	District	Province		
Location	Dak Ran	Dak Chuevy	Sekong		
Coordinate	N: 1702247	E: 739380			
Type of building – Residential	√ House	Offices	Health Centre		
	Commercial	School	√ Other		
	Number of Storeys	One raised	floor		
Evaluate key features	Number of Windows	6			
	Number of inhabitants (if any)	7			
Distance to the Nearest	Turbine	515 m			
Turbine Identification Nu Turbine	ımber of the Nearest	WH 054			

Туре	Height (m)	Width (m)	Direction	Covering Type	Note
Casement	112	0,6	in front	wood	
Cosement	1,2	0,6	behind	wood	2 Windows
u	1,2	0,6	Left	wood	
u	1,2	0,6	Right	wood	
N					
Establish A	10 20 1		In front of (Fa	acade) E	Behind
Direction of B	uilding – Resid	ential	Left	F	Right 🗸
Photo number	rs		SC	F - 1580	



Cluster J

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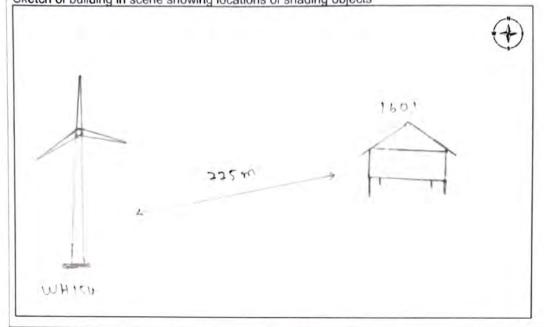


	Shadow Flicker S	urvey Field Note	
Survey Point	160	L	
. San S	Village	District	Province
Location	Oak Bong	Darchueng	Sekong
Coordinate	N: 1710339	E: 742966	
Type of building – Residential	√House	Offices	Health Centre
	Commercial	School	Other
	Number of Storeys	One raised	floor
Evaluate key features	Number of Windows	12	
70 200 200 A	Number of inhabitants (if any)	10	
Distance to the Nearest	Turbine	775 m	
Turbine Identification Number of the Nearest Turbine		WH 12	4

Туре	Height (m)	Width (m)	Direction	Covering Ty	ype Note
Casement	1	0,5	Infront	wood	6 windows
Casement	L	0,5	behind	wood	6 windows
Direction of B	uilding – Reside	ential	In front of (Fa	acade) 🗸	Behind
Direction of D	unung - residi	Jindi	Left		Right
Photo numbe	rs		SO	F - 160	



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Sketch of building in scene showing locations of shading objects



	Recorded By	
Name	xayyasit	
Signature	Conf.	Date 31 [10 [202]



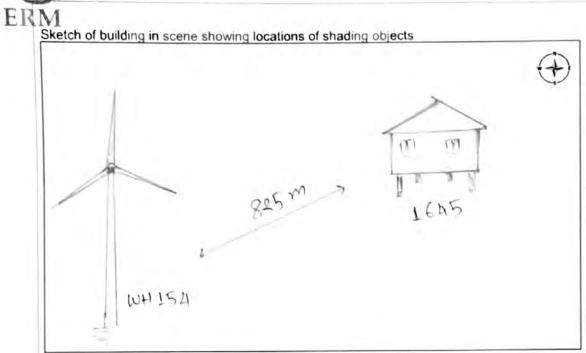
	Shadow Flicker S	urvey Field Note	
Survey Point	16	45	
	Village	District	Province
Location	Dak Bong	Dak Chueng	Sekong
Coordinate	N: 1710289	E: 743026	
Type of building –	√ House	Offices	Health Centre
Residential	Commercial	School	Other
	Number of Storeys	one raised	floor
Evaluate key features	Number of Windows	4	
	Number of inhabitants (if any)	5 persons	
Distance to the Nearest	Turbine	825 m	
Turbine Identification Number of the Nearest Turbine		WH 154	

Window characteristics:

Туре	Height (m)	Width (m)	Direction	Covering Type	Note
Casement	1,2	L	Infront	gloss	
u	u	u	lest	u	
u	u	u	Right	W	Dan't use
W	u	N	behind	u	
					ļ
Direction of Bu	ilding – Beside	ential	In front of (Fa	cade)	Sehind
Direction of Bu	muling – reside	Siliai	Left	F	Right
Photo numbers	S		SI	DF - 1641	7







	Recorded By	
Name	xayyasit	
Signature	Sug	Date 31/10/2021

Cluster School

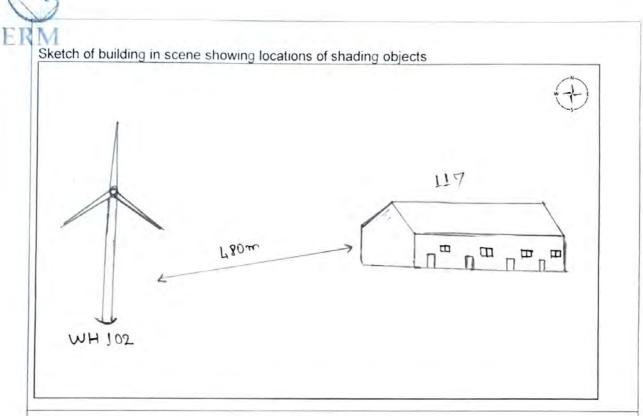
www.erm.com Version: 1.0 Project No.: 0598121 Client: Impact Energy Asia Development Limited (IEAD) March 2022





	Shadow Flicker S	urvey Field Note		
Survey Point	777	7		
Z.1168	Village	District	Province	
Location	Daktiem	Dakchueng	Serong	
Coordinate	N: 1698426	E: 718515		
Type of building – Residential	House	Offices	Health Centre	
	Commercial	√ School	Other	
	Number of Storeys	one floor		
Evaluate key features	Number of Windows	16		
	Number of inhabitants (if any)			
Distance to the Nearest	Turbine	480 m		
Turbine Identification Number of the Nearest Turbine		MH 705		

Туре	Height (m)	Width (m)	Direction	Covering Type	Note
Casement	1	0,6	In front	wood	8 windows infront
Casement	7	0,6	Be hind	wood	8 Windows behive
				1	
			In front of (F	acade) √ E	Behind
Direction of Bu	uilding – Reside	ential	Left	1	Right
Photo number	S		5	DF - 117	

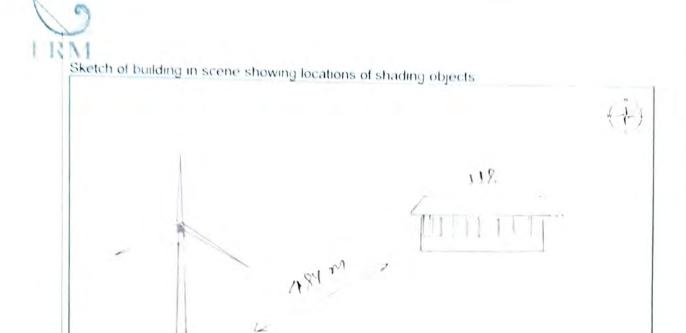


	Recorded By	
Name	Xayyasit	
Signature	Sup-	Date 27.10.2021



Survey Point	LL	8	
	Village	District	Province
Location	Daktiem	Dakchueng	Sexong
Coordinate	N: 1698404	E: 718535	
Type of building – Residential	House	Offices	Health Centre
	Commercial	√ School	Other
	Number of Storeys	One floor	
Evaluate key features	Number of Windows	along building	
	Number of inhabitants (if any)	,	
Distance to the Nearest	Turbine	487 m	
Turbine Identification Number of the Nearest Turbine		WH 102	

Туре	Height (m)	Width (m)	Direction	Covering Type	Note
opened			behind	No	Opened along the building
Direction of E	Building – Reside	ential	In front of (F		ehind ight



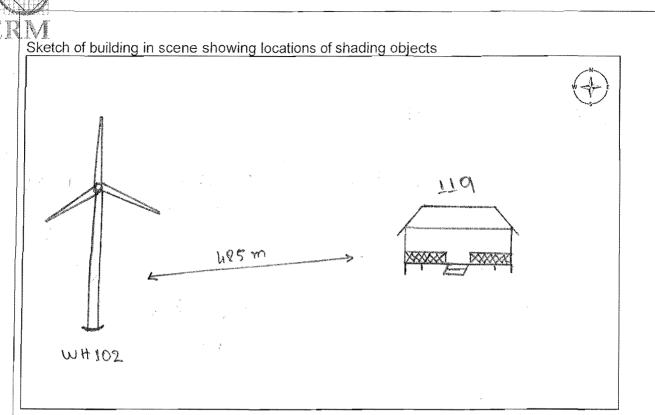
WH 102

	Recorded By	
Name	xayyasit	
Signature	The state of the s	Date 27.10.2021





Shadow Flicker Survey Field Note								
Survey Poir	nt	119						
Location		Village		District			Province	
		Daktiem		Dokchueng		Sekova		
Coordinate		N: 1698373		E: 718540		·		
Type of building – Residential		House		Offices		Health Centre		
		Commercial		School		✓ Other		
		Number of Storeys		one floor				
Evaluate ke	v features	Number of Windows		None				
Estimate noy leatures		Number of inhabitants (if any)						
Distance to	he Nearest Ti	urbine		485 m				
Turbine Identification Number of the Nearest Turbine				MA TOS				
Window cha	racteristics:							
Type Height (m)		Width (m)	Width (m) Dir		rection Covering Ty		pe Note	
				No.	g			
				. ,				
		ate that and a second of the s	The state of the s	-	A STATE OF THE STA		Names and Control of the Control of	
	\$							
Divo ation of P			In	front of (Fac	cade) √	В	ehind	
Direction of building – Residential		i	eft Right			ght		

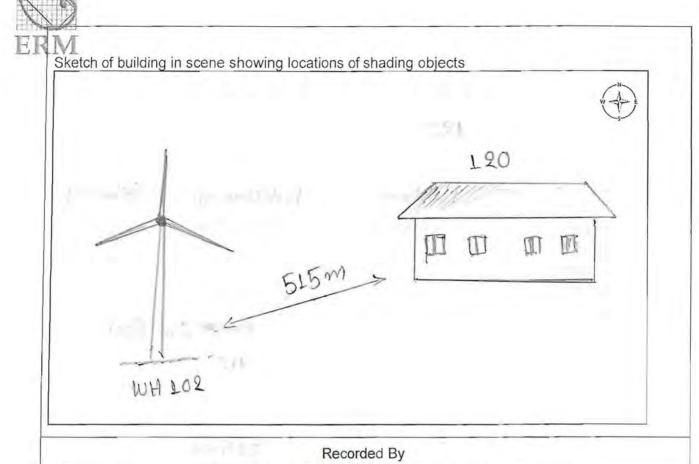


	Recorded By	
Name	. Xayyasit	
Signature	The state of the s	Date 27,10,2021



Sheet N.:	06	
Olioct III.		

		Shadow Fl	licker	Survey Fie	ld Note			
Survey Point		120						
Location		Village		D	District		Province	
		Daktiem	Dartiem		Dakchuerg		Sekong	
Coordinate		N: 169836	N: 1698369		E: 718573			
Type of building – Residential		House		0	Offices		Health Centre	
		Commercial		√ s	✓ School		Other	
		Number of Storeys		5	Frence One floor			
Evaluate key	features	Number of Windows			40			
_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , , , , , , , , , , , , , , , , , ,	Number of inhabitants (if any)						
Distance to th	e Nearest	Turbine		5	515 m			
Turbine Identi Turbine	fication Nu	mber of the Neare	est	W	H 102			
Window chara	acteristics:							
Туре	Height (n	n) Width (m)	C	Direction	Covering T	уре	Note	
Casement	1	0,6		Infront	wood		20 windows infront	
Casement 1		0,6		behind	wood		20 windows behin	
Direction of Pu	uilding Po	eidential	1	n front of (Fa	acade) V	В	ehind	
Direction of Building – Residential			.eft Ri			ight		
Photo numbers			SDF - 120					



xayyasit

Date

27.10.2021

Name

Signature