KOOTINGAL 1C 5MW SOLAR FARM

PROTECTION REPORT

ADDRESS: NEW ENGLAND HWY KOOTINGAL NSW 2352



DEVELOPED BY:



info@itpau.com.au

+61 (0) 2 6257 3511 Level 1, 19-23 Moore St Turner, ACT 261 itpau.com.au

IT Power (Australia) Pty Ltd | ABN 42 107 351 673 | Part of The ITPEnergised Group

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	2 LOCATION PLAN - SCALE: NTS	-			SCALE: 1:10,000			PROTECTIO	N REPORT
) .	STAGE	DATE	NOTES	PARTNERS		DRAWN MJB	DRAWING	LOCATION PLAN	
	DEVELOPMENT APPLICATION	04/12/2020			lite 1	APPROVED SD	1		
	DEVELOPMENT APPLICATION (DRAWING LAYOUT UPDATED)	13/01/2021			ith ith	DO NOT SCALE.	PROJECT	KOOTINGAL 1C 5MW SOLAR FARM	SCALE AS NOTED
	DEVELOPMENT APPLICATION	16/04/2021				ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	CLIENT		SHEET SIZE A3
					BENEWABLES	THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE	ADDRESS	NEW ENGLAND HWY	ORIG. DATE 2/12/20
					P: +61 2 6257 3511 PO BOX 6217	WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND		KUUTINGAL, NSW 2352	REV. DATE 5/10/21
	1				info@itp.com.au O'CONNOR, ACT 2602 www.itpau.com.au AUSTRALIA	BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	DRAWING NO	KOO1C-G-0400	REV NO. 3

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ARTNERS



NO.	STAGE	DATE	NOTES
1	ISSUED FOR INFORMATION	09/07/2020	
2	ISSUED FOR DEVELOPMENT APPLICATION	01/12/2020	
3	EAST & WEST SETBACKS ADDED	09/12/2020	
4	LIGHT VEHICLE ACCESS REMOVED	13/01/2021	
5	VEGETATION SCREEN ADDED TO NORTHERN BOUNDARY	19/01/2021	
6	LIGHT VEHICLE ACCESS REINSTATED	16/04/2021	

		drawn MJB		CENERAL ARRANGEMENT DI AN			
	CHECKED PMC	DRAWING	GENERAL ARRANGEMENT PLAN				
		APPROVED SD					
BENEWARI ES		DO NOT SCALE.	PROJECT	KOOTINGAL 1C 5MW SOLAR FARM	SCALE	AS NOTED	
		OTHERWISE STATED.	CLIENT		SHEET SIZE	A3	
		THIS DOCUMENT MAY ONLY BE USED BY CLIENTS OF ITP OR THOSE	ADDRESS	NEW ENGLAND HWY	ORIG. DATE	2/7/20	
		WHO HAVE RECEIVED EXPRESS PERMISSION FROM ITP. THE USE OF		KOOTINGAL, NSW 2352	REV. DATE	5/10/21	
	info@ltp.com.au O'CONNOR, ACT 2602 www.itpau.com.au AUSTRALIA	THIS DRAWING SHALL NOT EXTEND BEYOND THE PURPOSE FOR WHICH IT WAS ORIGINALLY PREPARED.	DRAWING NO.	KOO1C-G-2100	REV NO.	6	

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SITE INFORMATION

LOT / DP	1/328265 & 97/753841
ADDRESS	NEW ENGLAND HWY, KOOTINGAL, NSW 2352
LGA	TAMWORTH REGIONAL COUNCIL
LAT / LONG	-31.052485 / 151.040477
ELEVATION	490 m
LOT AREA	58.2 ha
FENCED AREA	10.56 ha
DNSP	ESSENTIAL ENERGY

PROJECT INFORMATION

	5.0 MW
INVERTERS	2 x 3.0 MW
TRACKER SPACING (N-S)	MIN. 7 m
ARRAY PITCH	6.25 m
CONNECTION VOLTAGE	11 kV
CONNECTION FEEDER	ESSENTIAL ENERGY KTL3B2
CONNECTION SUBSTATION	ESSENTIAL ENERGY KOOTINGAL ZONE
SECURITY FENCE SETBACK	MIN. 3 m FROM OPTION BOUNDARY
ARRAY SETBACK	MIN. 8 m FROM SECURITY FENCE
ACCESS PATH WIDTH	4 m

PROTECTION REPORT



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			-				CHECKED PMC	
1	DEVELOPMENT APPLICATION	04/12/2020					APPROVED SD	1
2	DEVELOPMENT APPLICATION	13/01/2021					DO NOT SCALE.	1
3	DEVELOPMENT APPLICATION	16/04/2021				-	ALL MEASUREMENTS IN MM UNLESS OTHERWISE STATED.	ľ
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5					P: +61 2 6257 3511	PO BOX 6217	PERMISSION FROM ITP. THE USE OF THIS DRAWING SHALL NOT EXTEND	
6					www.itpau.com.au	AUSTRALIA	IT WAS ORIGINALLY PREPARED.	
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PROTECTION REPORT

ROJECT	KOOTINGAL 1C 5MW SOLAR FARM	SCALE	AS NOTED
		SHEET SIZE	A3
DDRESS	NEW ENGLAND HWY	ORIG. DATE	2/12/20
	KOOTINGAL, NSW 2352	REV. DATE	5/10/21
RAWING NO.	KOO1C-C-5301	REV NO.	3

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TYPICAL TURNING DETAIL PLAN

SCALE: 1:500

PROTECTION REPORT

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LIENT		SHEET SIZE	A3
DDRESS	NEW ENGLAND HWY	ORIG. DATE	2/12/20
	KOOTINGAL, NSW 2352	REV. DATE	5/10/21
RAWING NO.	KOO1C-C-6300	REV NO.	3



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1. Maintenance Schedule

The following table outlines the proposed landscape maintenance tasks as well as timing intervals for the proposed vegetation screening of the solar farm at $\frac{\text{DaisyKootingal 1C}}{\text{DaisyKootingal 1C}}$ Solar Farm in $\frac{\text{HillstonKootingal}}{\text{HillstonKootingal}}$ NSW 2675352.

These intervals are subdivided into seasons as well as once off activities where applicable.

LANDSCAPE MAINTENANCE SCHEDULE

Maintenance Item	Associated Activity	Tim	e Fra	me /	Speci	ficatio	on		
		Weekly	Monthly	March to May	Jun to August	Sept to Nov	Dec to Feb	As required	Specification / Duration
Watering	Trees to be advanced and sun- hardened tube stock.	Wate wee in w Tape ever Furt wee As re weat mont Tree surv	er dai ks in s inter. er off y 2 to her ta k for 3 equire her, c hs 7-1 es exp iving a	ly for summe o 3 day aperin 3 mon od, dep conditi 12. ected after	the fir er and ring to ys for 2 g off to ths. pendin ions be to be 12 mor	once once mon o twic g on la tween self nths	eks ths e a ocal		Watering can be accomplished with a gravity fed olla type drip irrigation system or similar with timers/valves adjusted where required. Watering can also be supplemented with water filled tree guards or similar. Temporary rainwater tank to be deployed and refilled
1. Weeding	Weed garden areas manually or with approved herbicide.								Weed monthly for the first 6 months, increasing to bi-annual thereafter, coinciding with solar farm maintenance. As required after 2 years. Apply herbicide as per manufacturers label and not to be used within 12 hours of any imminent rainfall.
2. Leaf Litter Removal / Mulching	Leave leaf litter in-situ unless impacting plant growth space. Maintain 75mm mulch depth. 20mm leaf litter mulch.								Perform monthly for the first 6 months, increasing to bi- annual thereafter, coinciding with solar farm maintenance. As required after 2 years.
4. Plant Fertiliser	Apply fertilizer as per required								Perform annually before winter as per manufacturer's label As required after 2 years.
5. Pests/Disease Control	Check for incidence of fungal and insect attack								Perform annually before winter. As required after 2 years. Use fungal and insecticides as per required and use as per manufacturer's label.
6. Pruning / Trimming									
Shrubs	Pinch prune where necessary to encourage denser growth								Perform annually before winter and during summer. As required after 2 years.
Trees	Remove deadwood if required								Inspect and perform as per required
7. Plant Removal & Replacement	Inspect for failed/unrecoverable or dying plants requiring replacement, check history for trends if multiple issues are found in successive inspections.								Perform fortnightly for the first 3 months, increasing to monthly thereafter until 6 months. As required after 6 months.
	Replant/replace dead and or irrecoverable plant								Species in accordance with existing planting list