



## Checklist for Green Building Permit Submission – (Villas & Townhouses)

### Application Information

#### Client

Name:

#### Consultant

Name:

#### Contractor

Name:

#### Green Consultant (if appointed)

Name

Prequalification Submission #

Expiry Date:

### Project Information

Plot No. (as per TKS Site Plan)

Project Description

Total BUA

Air-Conditioned area (m2)

Section #	Section Name	Submission Requirements	YES	NO	N/A	Remarks
K.5.9.1	<b>Waste storage:</b>	Setting out plan reflecting a suitable area for either waste storage area within the boundary or Communal waste storage area for multiple properties.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
K.5.12	<b>Surfaces shading</b>	Setting out plan/drawings & details for Hardscape of the Surfaces shading development shall achieve at least one of the 5 points in K.5.12.1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
K.7.2	<b>Energy conservation</b>	Either ELEMENTAL METHOD conform to:				
		K.7.2.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		K.10.1.5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		K.10.5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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		Or PERFORMANCE METHOD					
		Energy Simulation software output.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		Installed energy modelling report	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
K.7.2.2	<b>Building envelope performance:</b>	HVAC Floors Layout with schedule reflecting U-value for roof / wall / glazing Shading Coefficient & VLT to confirm compliance to design values along with material data sheets .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		Non-glazed elements & Thermal bridges:	Typical Cross section reflecting U-values for roof & External walls. Continues thermal insulation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
K.7.2.4		Glazed elements – Fenestration	Window schedules with u-value/shading coefficient /VLT/WWR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
K.7.2 6		Sealing of windows and doors		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
K.7.2.7	<b>Heat island effect reduction</b>	Floors layout plan & sections reflecting Opaque building envelope surfaces with SRI value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
K.7.3	<b>Exterior light pollution and controls</b>	Floor & landscape layouts & Lighting Schedule Reflecting No /Location /lighting values /LPD calculation as per DBC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		Cross Sections for lighting fixtures reflecting shielding /Wall washing lights, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
K.10.1.5.1	<b>Minimum efficiency of HVAC systems &amp; Refrigerant and ozone depletion management</b>	Refrigerants with zero ODP or with global warming potential less than 100 shall be used	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		Confirmation letter for HVAC equipment and systems to be submitted reflecting the minimum energy efficiency requirements and test procedures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

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K.10.1.5.2	<b>Efficient sizing of HVAC systems</b>	Thermal Load Summary & Calculation as per DM format.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
K.10.1.5.3	<b>Central air-conditioning units</b>	Energy Units Recovery Equipment schedule reflecting Energy recovery.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
K.10.1.6.2	<b>Minimum ventilation requirements for indoor Air</b>	Fresh air calculations and strategy.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		Exhaust systems and energy recovery units- if any	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
K.10.1.6.3	<b>Indoor Air Quality</b>	Note on Floors layouts to be submitted reflecting	Consolidated table for low emitting items along with allowable VOC limits for Paints, coatings, adhesives and sealants used in villa/townhouse.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			Carpet systems shall be certified/accredited by laboratory approved by the Authority.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			Air filters Efficiency.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
K.10.1.10	<b>HVAC systems control &amp; Lighting</b>	Floors layout drawings reflecting below	Lighting power density (LPD) calculations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
K.10.1.10.1			thermostat location/ temperature sensors Controller	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
K.10.1.10.3			Occupancy/motion sensors for internal lighting devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
K.10.4.1			low-energy lighting & controls system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
K.10.4.2			Automatic lighting control for exterior lighting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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K.10.2.2	<b>Water conservation and reuse</b>	Plumbing layout & details reflecting sanitary fittings (Low Flow / dual Flush Fittings).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
K.10.2.9		Water supply drawings reflecting pumped hot water return or electrical trace heating tape & water temperature & Thermostatic maximum temperature.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
K.10.2.10	<b>Renewable sources of energy for domestic heating</b>	Plumbing layout showing Solar Photo Voltaic (PV) with details	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Notes

- Revised drawings and/or calculations are to be submitted whenever changes had been implemented from Approved drawings and/or calculations.
- For any 'NA' and/or 'NO', clarification shall be provided.
- Submission to be arranged in Folder-wise, as per above Section #

### Declaration

- We hereby confirm that all data provided in this application / documents comply with Trakhees CED Guidelines and Regulations.
- If any delay occurs due to incorrect information provided by us in the submitted application, we hold ourselves solely responsible for the delay.
- We are liable for any legal obligations, which may occur due to invalid / tampered documents being submitted along with this application.
- We confirm that we will follow the relevant Client Procedure for above service.

Date

Authorized Name & Signature

### Submitter's Details

Name		Mobile Number	
ID Type		ID Number	