## **Technical Assessment Grid of Offers**



Section GIZ SAGEN		Project Short Title Dr Beyers Naude Municipality, City Ekurhuleni Metropolitan							Date Date			
AV	Lilian Laurisch			Municipality, of LED lumin		District Munici	pality: Supply	and Delivery		PN	PN 20.2108.7	-003.00
Asses	ssor			of LED lumin	aires					VN	VN	
Version	Overall assessment											
			Con		npany 1 Company 2		Company 3		Company 4		Company 5	
	(1)	(2)	(3)	(4)	(3)	(4)	(3)	(4)	(3)	(4)	(3)	(4)
	Criteria	Weighting	points	assessment	points	assessment	points	assessment	points	assessment	points	assessment
		in %	(max.10)	(2)x(3)	(max.10)	(2)x(3)	(max.10)	(2)x(3)	(max.10)	(2)x(3)	(max.10)	(2)x(3)
1.	Photometric Performance											
1.1	Luminuos efficacy - Lumem per Watts (Lm/W) operating at ambient	18										
	temperature Ta of 25 Cel.											
(;	a) Assessment guideline:											
,	≥ 100lm/W ≤ 129lm/W = 1 point											
	$\geq 130 \text{Im/W} \leq 149 \text{m/W} = 5 \text{ points}$											
	$\geq 150 \text{Im/W} = 10 \text{ points}$											
Total		18										
2.	Electrical Performance											
2.1	Power Consumption - Watts (W) - nominal power rating	18										
(a	a) Assessment guideline:											
	$\geq 551W \leq 600W = 1 point$											
	≥ 501W ≤ 550W = 3 points											
	≥ 451W ≤ 500W = 5 points											
	≥ 401W ≤ 450W = 7 points											
	≥371W ≤ 400W = 9 points											
	≤ 370 <i>W</i> = 10 points											
Total	2.	18										
3.	Mechanical Performance											
3.1	Ingress Protection - IP Rating	17										
	a) Assessment guideline:											
	IP 65 = 1 point											
	IP 66 = 7 points											
	IP 67 = 10 points											
Total	·	17										
4.	Light Output Performance							99				
4.1	Lighting Design Results: Average Horizontal Illuminance (Eh, ave)	17										
				-		1		-1		1		1

## **Technical Assessment Grid of Offers**



Sec	tion	GIZ SAGEN	Project S	hort Title	Dr Beyers Na		Date Date						
AV Lilian Laurisch		Municipality, and iLembe District Municipality: Supply and Deliver of LED luminaires							PN		PN 20.2108.7-003.00		
Ass	essor				of LED lumin	aires					VN	VN	
Vers	sion	Overall assessment											
				Com	Company 1 Company 2		Company 3		Company 4		Com	pany 5	
		(1)	(2)	(3)	(4)	(3)	(4)	(3)	(4)	(3)	(4)	(3)	(4)
		Criteria	Weighting	points	assessment	points	assessment	points	assessment	points	assessment	points	assessment
			in %	(max.10)	(2)x(3)	(max.10)	(2)x(3)	(max.10)	(2)x(3)	(max.10)	(2)x(3)	(max.10)	(2)x(3)
	- Lux at 0.5m reference p	plane											
	(a) Assessment guideline:												
	Average II	$  uminance   \ge 2 Lux \le 2,4 Lux = 1 point$											
	Average IIIu	uminance ≥ 2,5 Lux ≤ 2,9 Lux = 3 points											
	Avera	ge Illuminance ≥ 3 Lux = 10 points											
Tota	al 4.		17										
5.	Telemanagement techno	ology											
5.1		rd to abilities, durability, connectivity, integration in ement, operation, maintenance, innovation, operating	10										
	(a) Assessment guideline:												
	Overall assessmen	nt of the benefits and value of the offered system											
Total 5.		10											
6.	Company Experience				***************************************		330						
6.1	Experience in similar stree 500,000 ZAR (Provide de	et- and/or area lighting projects for the last 3 years ≥ etails)	10										
	(a) Assessment guideline:												
	Assessment of the Co	ompany Profile, Track record and Project references											
	1 point	trader of LED Floodlight Lum - up to 5 years experience; up to 10 projects > 500,000 ZAR											
	5 points	trader of LED Floodlight Lum - more than 5 years experience; at least 10 projects > 500,000 ZAR											
	10 points	manufacturer of LED Floodlight Lum - more than 5 years experience; at least 10 projects > 500,000 ZAR											
Total 6.		10											
7.	Skills Transfer Approach	1											
7.1	Approach for the transfer of company and municipal el	of installation and maintenance skills to installer lectricians	10										
(a) Assessment guideline:													

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Section AV	GIZ SAGEN  Lilian Laurisch	Project SI	nort Title	Municipality,	and iLembe I	ality, City Ekurl District Munici		Date PN		Date PN 20.2108.7-003.00		
Assessor				of LED luminaires					VN		VN	
Version	Overall assessment											
			Company 1		Company 2		Company 3		Company 4		Company 5	
	(1)	(2)	(3)	(4)	(3)	(4)	(3)	(4)	(3)	(4)	(3)	(4)
	Criteria	Weighting	points	assessment	points	assessment	points	assessment	points	assessment	points	assessment
		in %	(max.10)	(2)x(3)	(max.10)	(2)x(3)	(max.10)	(2)x(3)	(max.10)	(2)x(3)	(max.10)	(2)x(3)
	nt of the benefits and value of interaction/paedagocical concept for s transfer to installers and maintainence staff of municipality (provide concept)											
Total 7.		10										
Grand Total 1 - 7	7	100		0		0		0		0		0
			0		0		0		0		0	