



TECHNICAL EVALUATION CRITERIA

Contract Name	SUPPLY AND DELIVERY OF BULBS AND LIGHT FITTINGS TO NTCSA CENTRAL GRID
Contractor Name	
Evaluator 1	
Evaluator 2	
Evaluator 3	

Stage 1 - Mandatory Technical Requirements

Failure to submit the tender returnables required in the table below shall render the Tenderer non-responsive and will be disqualified for further evaluation (Score shall be marked as **N/A**).

MANDATORY CRITERIA	Section	YES	NO	Comment
Tenderer provided a detailed Specification Sheet for each Bulb/Lamp listed in the Bill of Material – Spec. Sheet information shall include but not limited to Lumens/Lux output, color temperature, Power rating, Base type, dimensions, design life etc.	1.1			
Tenderer provided a detailed Light Fitting Specification Sheet for each light fitting listed in the Bill of Material – Spec. Sheet information shall include but limited to IP Rating, impact rating, Power Rating, Compatible Lamp Types, Base Type, Material, Dimensions, design life etc.	1.2			
Tenderer supplied confirmation that Bulb dimensions and type are compatible with the light Fitting	1.3			
Tenderer supplied signed confirmation letter stipulating that the specifications of all items as stated within the specification document are met.	1.4			
All light fittings shall be compliant with SANS/SABS/IEC general luminaires requirements, performance and tests: Tenderer provided proof of SABS 314 & IEC 60079 compliance for Battery Room (Hazardous Location) light fittings, and	1.5			

Proof of SANS 60598-1 & SANS 475 compliance for all other light fittings				
Luminaire guarantee certificate/letter provided	1.6			
Bulb guarantee certificate/letter provided	1.7			
Signed Letter indicating the Tenderer's lead time for delivery from date of order	1.8			

Stage 2 – Qualitative Technical Requirements (Scoring)

The following technical evaluation criteria shall be completed ONLY if all Mandatory requirements were met, the pass mark threshold for the Qualitative scoring is 80%. Any tenderer scoring below 80% is rendered disqualified and therefore not recommended to proceed to the next stage of evaluations.

Qualitative Overall Scoring Table:

Criteria	Section	% weight	Tenderer Score
Photometric requirements	2.1	35	
Mechanical requirements	2.2	35	
Guarantees	2.3	30	
Total		100 (Pass Mark: 80%)	

ITEM NO	DESCRIPTION	UNIT	Criteria	Score (Mark appropriate score)	Comment
2.1	Photometric Requirements				
2.1.1	Color temperature	K	< 2000	0	
			2000 – 3500	8	
			3500 – 4500	13	
			4500 – 5000	5	
			>5000	0	
2.1.2	Downward Light Output Ratio (DLOR)	%	100	5	
			90 – 95	4	
			85 – 90	2	
			< 85	0	
			Other Patterns	0	
2.1.3	Lumens output	Lumens (lm)	≥ 40000 lm	12	
			≥ 30000 lm And < 40000 lm	8	
			< 30000 lm	0	
2.1.4	Illumination beam angle	Degrees	$60^{\circ} \leq \text{Beam Angle} \leq 120^{\circ}$	5	
			Beam Angle outside range or not specified (No pattern provided)	0	

ITEM NO	DESCRIPTION	UNIT	Criteria	Score	Comment
2.2	Mechanical Requirements				
2.2.1	Body material (SANS 475 compliant)	-	Non-ferrous metal (e.g. Aluminium etc.)	10	
			Ferrous metal	3	
			Anything else	0	
2.2.2	IP rating	-	≥ IP54	5	
			< IP54	0	
2.2.3	Impact Rating (SANS 475 compliant)	-	≥ IK08 / 6J	5	
			≥ IK07 / 5J	4	
			< IK07 / 5J or Not specified	0	
2.2.4	Tilt adjustment relative to horizontal plane	-	Yes	5	
			No	0	
2.2.5	Light fitting Mounting bracket included/built-in	-	Yes	10	
			No	0	

ITEM NO	DESCRIPTION	UNIT	Criteria	Score	Comment
2.3	Guarantee				
2.3.1	Light fitting life	Years	> 10	10	
			5 – 10	6	
			< 5	0	
2.3.2	Bulb life	Hours	> 20 000	5	
			15 000 – 20 000	4	
			10 000 – 15 000	3	
			< 10 000	0	
2.3.3	Light fitting returns warranty	Years	> 1 Year	5	
			< 1 Year or Not specified	0	
2.3.4	Bulb returns warranty	Months	> 3 Months	5	
			< 3 Months or Not specified	0	
2.3.5	Lead time for delivery from time of order	Calendar Days	< 20	5	
			21 – 29	4	
			30 – 60	2	
			> 60	0	

Annexure 1: Indicative Photometric Illumination Pattern – Bat-wing Pattern

