

BID BULLETIN NO. 01

AUGUST 17, 2017

**“SUPPLY AND DELIVERY OF LED LIGHT FOR STREET AND PERIMETER LIGHTS AT PEZA BCEZ”
 (BC-2016-11-081)**

This Bulletin is issued to modify or amend the Bid Documents. This shall form an integral part of the Bid Documents.

Please see below “ANNEX C”:

Technical Specifications

Street Lights	
SPECIFICATION	SUGGESTED FINAL SPECS
Wattage	100W +/-5W
Correlated Color Temperature (CCT)	5000K - 6500K
Lumen Maintenance	B50L70 @ 50,000 burning hours
Lumen Output	12,000 lumens
Lumen Efficacy	120 lumen per watt
Mounting	Pole type - side entry
Diameter	42mm -60mm Diameter
Ingress Protection	IP66
Impact Protection	minimum IK08
Surge Protection	minimum 10Kv
Input Voltage	220-240V
Luminaire Color	silver/Gray
Luminaire Material	Die Cast Aluminum/aluminum satin
Weight	maximum 7kg
Beam Angle	120D minimum
Wind force	up to 60 m/s
Submit Certificate or Test Report	
Luminaire	
1. IEC/EN 60598 - 1 general requirement for luminaires	
2. IEC/EN 60598 2-3	

3. IEC/EN 62471 Photobiological Safety of Lamps
4. IEC/EN 62493 Assessment of Lighting Equipment Related to Human Exposure
5. IEC/EN 62778 - Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires
6. IEC 62262 and 60529 IP and IK Test Report
5. EN 55015 - Limits and methods of Radio disturbance characteristics of lighting
6. ULN5-672 - Vibration Test And Shock Test Report
6. EN 61547 - Equipment for general lighting purpose EMC immunity requirements
7. EN 610003-2: 2006 Limitation of harmonic current emission
8. EN 61000 3-2:2008 Limitation of voltage fluctuation and flicker
9 LM79 or LM82 Test Report of Luminaire - Electrical and Photometric properties of the luminaire
10. LM80 Test Report of LED Chip - testing for 50,000 burning hours
11. EMC Test Report - test for electromagnetic testing
12. Salt Spray Test Report - testing for exposure to salt water
13. Vibration Test Report - testing for vibration exposure
LED Driver
1. EN 61347-2-13 - Reqts for DC or AC supplied electronic control gear for LED modulces
2. EN 62384: DC or AC supplied electronic control gear for LED modules
3. EN 61347-1 General and Safety requirements

Perimeter Lights	
Wattage	60W +/-5W
Correlated Color Temperature (CCT)	5000K - 6500K
Lumen Maintenance	B10 L80 @ 70,000 burning hours
Lumen Output	minimum 4,500 lumens
Lumen Efficacy	minimum 75 lumens per watt
Mounting	Post top
Diameter	48mm - 76mm Diameter
Ingress Protection	IP66
Impact Protection	IK10
Input Voltage	220-240V
Luminaire Color	Gray/Silver
Luminaire Material	Aluminum/Aluminum Satin
Weight	Maximum 6.7kg
Size/Diameter	maximum 571mm
Beam Angle	Symmetrical
Power Factor	0.98

Warranty: 3-years

(SGD)
ATTY. RENE U. BAYSA
 Bids and Awards Committee
 Chairman