

Project: Maintenance of Port Outdoor Solar Street Light Along 1st Avenue  
(MPF-MOC-09-2025)  
Location: Port of Cagayan de Oro

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1.0	Maintenance of Busted Solar Street Light	1.00	Lot		

Work Description  
To Supply of materials, labor, tools and equipment for the maintenance of busted solar street light

Materials

Integrated LED Solar Street Light

Led Power: 60W  
Luminuous Flux: 6300lm  
IP Grade: IP66  
Solar Panel Life Time: 25 Years  
Solar Panel: Monocrystalline Solar Panel 5V, 120W  
Battery Type: 3.2V/100AH LiFePO4 Battery  
Charging Time (By Sun): 6-7 Hours (With Enough Strong Shine)  
Discharge Time: 5-7 Rainy Days  
Controller: MPPT Controller  
Certification: ISO, CE, ROHS

20.00 pcs

LED Street Light

Wattage: 150 Watts  
Luminous Flux: 22,500lm  
Light Source: High Brightness SMD LED Chip 3030  
Color Temperature: Daylight  
Beam Angle: 120°  
CRI: RA>70  
Lamp Body Material: ALuminum + PC Lens  
Frequency Range: 50/60 Hz  
Working Temperature: -30°C - 45°C  
Storage Temperature: -40°C - 80°C  
Average Life Hours: 50,000 Hours  
Working Voltage: AC 85V-265V  
Mounting: Adjustable Bracket for varied uses  
IP Rating: IP66

10.00 pcs

Equipment

- 1 - Straight Boom Lifts, Telescopic, 1000 lbs x 116' range (rent)
- 1 - Portable Grinder
- 1 - Welding Machine

7.00 day(s)  
1.00 day(s)  
7.00 day(s)

Manpower

- 1 - Electrician
- 2 - Skilled Labor

7.00 day(s)  
7.00 day(s)

ESTIMATED DIRECT COST P  
ESTIMATED INDIRECT COST P  
TOTAL COST OF WORK ITEM 1 P

TOTAL AMOUNT P