

Project: **REPAIR/REPLACEMENT OF DAMAGED MANHOLE COVER**

Location: Port of Cagayan de Oro, Cagayan de Oro City

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
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**1.0 REMOVAL, CHIPPING, & CONCRETING WORKS FOR MANHOLE COVER ANCHORAGE**

1.00 lot

**Work Description**

Supply of labor, materials and equipment for the removal of damaged covers, chipping and concreting for the anchorage of steel frame including disposal works and turn-over of damaged steel covers.

**Materials**

Cutting Disc 4"

11.00 pcs

Cutting Disc 14"

1.00 pc

Portland Cement 40kg

5.00 bags

Washed Sand

0.20 cu.m.

Gravel 3/4"

0.40 cu.m.

Ordinary Plywood 1/4"

1.00 pc

Coco Lumber 2"x2"x10'

5.00 pcs

Common Wire Nails 2-1/2"

1.00 kg

Common Wire Nails 1"

1.00 kg

NONE

**Equipment**

1 Boom Truck

1.00 day(s)

1 Portable Grinder/Cutter

5.00 day(s)

1 Jack Hammer

5.00 day(s)

1 Concrete Cutter Machine

1.00 day(s)

**Manpower**

1 Foreman

5.00 day(s)

2 Skilled Worker

5.00 day(s)

3 Unskilled Worker

5.00 day(s)

ESTIMATED DIRECT COST

P

ESTIMATED INDIRECT COST

P

TOTAL COST OF WORK ITEM 1.0

P

**2.0 FABRICATION & INSTALLATION OF CATCH DRAIN STEEL MANHOLE**

11.00 set

**Work Description**

Supply of labor, materials and equipment for the fabrication of Steel Catch Drain Manhole Covers including its installation and painting works.

**Materials**

Cutting Disc 4"

22.00 pcs

W6x9 Rolled Wide Flange

23.00 pcs

Round Bar 16mmx6m

32.00 pcs

Welding Rod

60.00 kgs

Epoxy Primer

6.00 gals

Rust Converter

6.00 gals

Automotive Lacquer, yellow

6.00 gals

Lacquer Thinner

2.00 gals

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
	Baby Roller	4.00	pcs		
	Paint Brush 4"	4.00	pcs		
	Oxygen	3.00	tanks		
	Acetylene	6.00	tanks		
Equipment					
	1 Boom Truck	3.00	day(s)		
	1 Portable Grinder/Cutter	14.00	day(s)		
	1 Oxygen-Acetylene Cutting Outfit	4.00	day(s)		
	1 Welding Machine	9.00	day(s)		
Manpower					
	1 Foreman	14.00	day(s)		
	2 Skilled Workers	14.00	day(s)		
	2 Unskilled Workers	14.00	day(s)		
ESTIMATED DIRECT COST				P	
ESTIMATED INDIRECT COST				P	
TOTAL COST OF WORK ITEM 2.0				P	

AMOUNT IN WORDS:

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