

Project: **MAINTENANCE OF DAMAGED MANHOLE COVERS, PORT OF CAGAYAN DE ORO [MPF-MOC-02-2025]**
Location: Port of Cagayan de Oro

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1.	Repair/Replacement of Damaged T-shape Manhole Cover	2.00	units		
	Work Description				
	To supply labor materials and equipment for the repair/replacement of damaged T-shaped Manhole Cover				
	Materials				
	a.) Removal, chipping, & concreting works for cover frame anchorage				
	cutting disc 4"	4.00	pcs.		
	cutting disc 14"	1.00	pcs.		
	portland cement	2.00	bags		
	washed sand	2.00	sack		
	gravel 3/4"	3.00	sack		
	ordinary plywood 1/4"	2.00	pcs.		
	coco lumber 2"x2"x10'	10.00	pcs.		
	CWN 2-1/2"	1.00	kls.		
	CWN 1"	1.00	kls.		
	b.) Fabrication & Installation of Steel Framing Support for T-shape Manhole Covers				
	cutting disc 4"	6.00	pcs.		
	4"x4" Wide Flange beam x 6m. (93kls)	5.00	pcs.		
	Welding Rod	10.00	kgs.		
	Epoxy primer	2.00	gals		
	Rust converter	2.00	gals		
	Automotive Lacquer	4.00	gals		
	Lacquer Thinner	2.00	gals		
	Baby Roller Cotton	4.00	pcs.		
	Paint Brush 4"	4.00	pcs.		
	Oxygen	2.00	tanks		
	Acetylene	1.00	tanks		
	c.) Fabrication & Installation of T-shape Manhole Covers				
	cutting disc 4"	12.00	pcs.		
	4"x4" Wide Flange beam x 6m. (93kls)	12.00	pcs.		
	Welding Rod	30.00	kgs.		
	16mm dia. Plain round bar x 6m	31.00	pcs.		
	Epoxy primer	4.00	gals		
	Rust converter	2.00	gals		
	Automotive Lacquer	4.00	gals		
	Lacquer Thinner	2.00	gals		
	Baby Roller Cotton	4.00	pcs.		
	Paint Brush 4"	4.00	pcs.		
	Oxygen	4.00	tanks		
	Acetylene	2.00	tanks		
	Equipment				
	a.) Removal, chipping, & concreting of manhole cover				
	1 - Boom Truck	1.00	days		
	1 - Portable Grinder/Cutter	2.00	days		
	1 - Jack hammer	2.00	days		
	1 - Concrete Cutter Machine	1.00	days		
	b.) Fabrication & Installation of Steel Framing Support for T-shape Manhole Covers				
	1 - Boom Truck	1.00	days		
	1 - Portable Grinder/Cutter	8.00	days		
	1 - Oxy-Acetylene Cutting Outfit	2.00	days		
	1 - Welding Machine	4.00	days		
	c.) Fabrication & Installation of T-shape Manhole Covers				
	1 - Boom Truck	2.00	days		
	1 - Portable Grinder/Cutter	14.00	days		
	1 - Oxy-Acetylene Cutting Outfit	4.00	days		
	1 - Welding Machine	6.00	days		

Manpower

a.) Removal, chipping, & concreting works for cover frame anchorage

1 - Foreman	1.00	days		
2 - Skilled Labor	1.00	days		
6 - Unskilled Laborer	1.00	days		

b.) Fabrication & Installation of Steel Framing Support for T-shape Manhole Covers

1 - Foreman	8.00	days		
1 - Skilled Labor	8.00	days		
2 - Unskilled Laborer	8.00	days		

c.) Fabrication & Installation of T-shape Manhole Covers

1 - Foreman	14.00	days		
1 - Skilled Labor	14.00	days		
2 - Unskilled Laborer	14.00	days		

ESTIMATED DIRECT COST

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ESTIMATED INDIRECT COST

P

TOTAL COST OF WORK ITEM 1.

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AMOUNT IN WORDS :
