

# Cost Derivation

PROJECT NAME: DISASTER-RELIEF AND CLEAN-UP SUPPORT OPERATIONS PROJECT FOR YEAR 2023  
 (EARLY PROCUREMENT ACTIVITY)  
 PROJECT NO. DSQC-23-SERVICES-006

FUEL PRICE (DIESEL)

**OIL & LUBRICANTS**

LIST OF LUBRICANTS TO BE USED	Est. Market Cost	Est. Volume Used per month	Unit of Measurement	Est. Cost per day (ave. of 30 days per month)
	a	b		c
Engine Oil (Special)		16	Liter/s	
Brake Fluid		3	Liter/s	
Gear Oil		2	Liter/s	
ATF (Special)		2	Liter/s	
Grease (Special)		2	Kilogram/s	

**TOTAL LUBRICANTS COST (per Day)**

formula:  $C = (a * b) / 30$  working days in a month

**GARBAGE TRUCK DRIVERS & CREW**

WAGE ORDER NO. 23 FOR NCR (Php570.00 per day; Effective: 13 May 2022) Source: DOLE-NWPC	Daily rate
<b>TOTAL COST OF WAGE</b>	

UNIFORM OF DRIVER (Upper Garment)	Est. Market Cost	Required no. of sets for the project duration	Est. Cost per day (ave. of 30 days per month)
	a	b	c
Polo Shirt		6	

**TOTAL COST OF WAGE & UNIFORM PER DRIVER**

UNIFORM OF CREW	Est. Market Cost	Required no. of sets for the project duration	Est. Cost per day (ave. of 30 days per month)
	a	b	c
Long sleeves shirts w/o collar		6	
Jogging Pants		6	
Reusable Face Masks (20pcs per month)		240	
Hand Gloves (20pcs per month)		240	
Rainboots		6	
Raincoats		6	
<b>TOTAL</b>			

formula:  $c = (a * b) / 30$  working days in a month

**TOTAL COST OF WAGE & UNIFORM TOTAL PER CREW**

I hereby certify to comply and deliver all the above requirements.

Name: \_\_\_\_\_

Legal Capacity: \_\_\_\_\_

Signature: \_\_\_\_\_

Duly authorized to sign the Bid for and behalf of: \_\_\_\_\_

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**DISASTER-RELIEF CLEAN-UP SUPPORT  
OPERATIONS GROUP**

WAGE ORDER NO. 23 FOR NCR (Php570.00 per day; Effective: 13 May 2022) Source: DOLE-NWPC	Daily rate	Ave. No. of Days per month	Salary per Month	No. of personnel	Total Salary for the project duration
	a	b	c	d	e
TOTAL COST OF WAGE		30		28	

formula: C= a x b ; e= ( c x d ) 12 months

UNIFORM (30 personnel)	Est. Market Cost	Required no. of sets for the project duration	Est. Cost for the project duration
	a	b	c
Long sleeves shirts w/o collar (4pcs per pax)		120	
Jogging Pants (4pcs per pax)		120	
Reusable Face Masks (20pcs per month)		7,200	
Hand Gloves (20pcs per month)		7,200	
Rainboots (2pcs per pax)		60	
Raincoats (2pcs per pax)		60	
TOTAL			

formula: C= (a \* b)

CLEANING PARAPHERNALIA	Est. Market Cost	Required no. of sets for the project duration	Est. Cost for the project duration
	a	b	c
Broomstick with handle		240	
Dustpan (Metal)		125	
Tongs		125	
Jute Bags (used sacks)		150,000	
Scrapper		50	
Bareta (Claw bar)		10	
Bolo		50	
Rake		20	
Shovel		80	
TOTAL			

formula: C= (a \* b)

**TOTAL DRCOG COST**

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### ORGANIZATIONAL COST

OFFICE PERSONNEL	Daily Wage	Ave. No. of Days per month	Salary per Month	Total Salary for the project duration
	a	b	c	d
Manager		30		
Dispatcher		30		
<b>TOTAL</b>				

formula: C= a x b ; D= c x 12 months

### OTHER EQUIPMENT COST

EQUIPMENT	Estimated Rental Cost Per Hour	Required number of hours per month	Required no. of equipment for the project duration	Est. Cost per day (ave. of 30 days per month)	Est. Cost for the project duration
	a	b	c	d	e
Payloader		20	1		

formula: D= a x b

SUPPORT VEHICLES	Estimated Rental Cost per day	Ave. No. of Days per month	Required no. of equipment for the project duration	Est. Cost per day (ave. of 30 days per month)	Est. Cost for the project duration
	a	b	c	d	e
4-wheel vehicle		30	1		
2-wheel vehicle		30	2		
<b>TOTAL</b>					

formula: D= (a x b) x c

E: d x 12 months

### OTHER SUPPLIES AND MATERIALS

SUPPLIES AND MATERIALS	Est. Market Cost	Required no. of equipment for the project duration	Est. Cost for the project duration
	a	b	c
Aluminum Ladder (8-step)		12	
Aluminum Ladder (24-step)		12	
Custom-made Steel Bench (10-seater)		24	
<b>TOTAL</b>			

formula: C= (a \* b)

### ADMINISTRATIVE COST

RENTAL	Monthly Rental Cost
	a
Garage/Dispatching/Office Rental	
Estimated Cost of Staging Area (disinfection, deodorization, management)	
Estimated Cost of Utilities	
<b>TOTAL</b>	

### TOTAL INDIRECT COST

Indirect Cost per trip


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SCHEDULE OF COLLECTION: UPON REQUEST

Estimated Distance from nearest to farthest Barangay (km)	Required Transport Equipment	Estimated Cost of Transport Equipment (DT)	Estimated Lifespan of Transport Equipment (7 years)	Estimated Rental Cost per Truck <i>(b / c)</i>	Current Diesel Price	Estimated Consumption Rate per Ltr <i>(ratio: km-ltr)</i>	Total Distance Cost <i>(a * e / f)</i>	Lubricant Consumables	30%	Deodorization Fee	Total Transport Equipment Cost <i>(d + g + h + i + j)</i>	No. of Crew per Unit	Salary & Uniform Cost per Driver	Salary & Uniform Cost per Crew	Total Salary & Uniform Cost <i>(n * l + m)</i>	Operation Cost per unit <i>(k + o)</i>	Est. Trips for the project duration
									Other Maintenance Costs <i>(g + h) * 30%</i>								
a		b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q
70.00	10W											4					1,000.00
40.00	6W											3					830.00
40.00	MDT											3					2,000.00
<b>3,830.00</b>																	

Legend: components of columns h, i & n

h - Lubricants - this includes engine oil, brake fluid, gear oil, ATF & grease (est. volume used per mo. divisible by the no. of days in a mo.)

i - Other Maintenance Cost - flat tires, hydraulics, clutch disk, pressure plates, transmission, breaking system, etc.

Type of Unit	Operation Cost per unit	Clearing Operations Cost	Indirect Cost	Cost per Trip <i>(r+s+t)</i>	5%	2%	Cost per trip with Taxes <i>(u+v+w)</i>	Cost per Type of Unit <i>(x*q)</i>
					Value Added Tax	Income Tax		
	r	s	t	u	v	w	x	y
10W								
6W								
MDT								
<b>TOTAL</b>								

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