

METRO MANILA SHIPYARD ASSOCIATION, INC.
(Formerly Ilog Navotas-Malabon Shipyard Association, Inc.)

Vessels under classification:

Additional 40% surcharge if the vessel is under IACS

Additional 20% surcharge for local class

TARIFF RATE 2012

WORK DESCRIPTION	FINAL RATE
I. DRYDOCKING/UNDOCKING	
(Charges including 1st day on dock)	
A. LCT/TANKER/BARGES:	₱ 597.94 /lm
(PROPELLED & NON-PROPELLED)	₱ 182.30 /lf
CONDITIONS:	
1.) For first 10 days in dock.	10% of drydocking and undocking charges
2.) Subsequent laydays on dock.	18% of drydocking and undocking charges
3.) Surcharge on drydocking and undocking charges for every meter in excess of 12 mtr breadth.	10% of drydocking and undocking charges
4.) Surcharge for docking with cargo on board, water/fuel in excess of 5,000 liters, excess ballast (solid/liquid) over 5 tons and excessive damage due to sinking.	20% of drydocking and undocking charges
5.) Surcharge for docking with cargo on board, excess ballast.	30% of drydocking and undocking charges
6.) Surcharge for emergency docking. (Sundays and Holidays)	30% of drydocking and undocking charges
B. CARGO/TUGBOAT AND FISHING BOAT	₱ 984.00 /lm
(OTHER SHIP SHAPE VESSEL)	₱ 300.00 /lf
CONDITIONS:	
1.) For first 10 days in dock.	10% of drydocking and undocking charges
2.) Subsequent laydays on dock.	18% of drydocking and undocking charges
3.) Surcharge for docking with cargo on board, water/fuel in excess of 5,000 liters, excess ballast (solid/liquid) over 5 tons and excessive damage due to sinking.	20% of drydocking and undocking charges
4.) Surcharge for docking with cargo on board, excess ballast.	30% of drydocking and undocking charges
5.) Surcharge for emergency docking. (Sundays and Holidays)	30% of drydocking and undocking charges

6.) Vessel with bar or slab keel & vessel which require special arrange blocks and shore for dock preparation before undocking and restoration after undocking.

20% of drydocking and undocking charges

C. SHIFTING OF HULL BLOCKS & TRANSVERSE BEAM

(per vessel docking plan)

1.) Hull blocks per set	₱	720.00	/pc
2.) Keel blocks per set	₱	1,440.00	/pc
3.) Transverse beam per piece	₱	1,440.00	/pc
4.) Stand beam per piece	₱	1,440.00	/pc
5.) Shore/Steel Post	₱	2,500.00	/pc

II. GENERAL DOCKYARD SERVICES:

A. WHARFAGE: (1st 10 days)

₱	65.60	/lm
₱	20.00	/lf

Surcharge:

1.) after 10 days	add	10%
2.) after 20 days	add	20%
3.) after 30 days	add	30%
4.) after completion of works	add	50%

B. MOORING/UNMOORING

₱	3,000.00	/move
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C. SKIFF/TUGBOAT SERVICES:

Per skiff/tugboat per hour or part of one hour.
(Time start when tugboat leaves the yard and end when skiffboat arrived)

1.) Single Screw	₱	4,500.00	/hr-tug
2.) Twin Screw	₱	7,500.00	/hr-tug

Notes:

1. Minimum of two (2) hours
2. Price up to Navotas rivermouth only, additional Php 1,500.00 if outside Navotas rivermouth

D. ELECTRICAL SUPPLY

1.) Connection and disconnection of shore power
220/440 V AC

a. Electrical Cable -> owner supplied	₱	2,500.00	/time
b. Electrical Cable -> shipyard supplied	₱	5,000.00	/time

2.) Power supply for light per 8 hrs/day

a.) Up to 50 watts	₱	250.00	/8hr/day
b.) Up to 100 watts	₱	298.00	/8hr/day
c.) Up to 200 watts	₱	344.00	/8hr/day
d.) Up to 500 watts	₱	448.00	/8hr/day
e.) Up to 1000 watts	₱	546.00	/8hr/day

3.) Using power meter charge 220 V AC

If meter not available charges to be based on motor power (Hp/Kw) x time used. (Minimum of 1 hour. Fractional of 1 hour is considered 1 hour.)

₱ 33.00 /kw/hr

3.a. Sub-meter Rental

- 100W

₱ 1,500.00 /time

- CT Rated

₱ 2,500.00 /time

4.) Meter charge using GENERATOR

₱ 47.20 /kw-hr

E. RENTALS: (Minimum of 8 hours)

1.) Welding machine up to 300 amp./day with cable and accessories.

₱ 520.00 /unit

Every 100 ampere difference in range.

₱ 65.00 /unit

2.) Power charges to connect welding machine 220 V AC (200-300 amp)

₱ 500.00 /unit

Every 100 ampere difference in range.

₱ 65.00 /unit

3.) Power charges to connect welding machine 220 V AC (using gen set)

₱ 850.00 /unit

4.) Cutting outfit per day with 50 ft. or length hose

₱ 450.00 /unit

5.) MIG/TIG

as per actual cost

6.) Plasma Cutting

as per actual cost

F. WATER:

1.) Water hose connect and disconnect.

₱ 800.00 /connection

2.a.) Supply of fresh water.

₱ 500.00 /ton

2.b.) Supply of fresh water thru barge.

₱ 500.00 /ton

2.c.) Water consumption per head/vessel.

₱ 50.00 /head/day

3.) Firehose/fireline per line/cooling water.

₱ 500.00 /line

G. GARBAGE DISPOSAL:

1.) Provide garbage bin for ship garbage and yard to dispose ashore.

₱ 2,500.00 /bin/disposal

H. FIRE WATCHMAN (PER DAY PER 8 HRS):

₱ 750.00 /day

1. Using ABC Fire Extinguisher

based on current market price
with mark-up

I. SECURITY WATCHMAN (PER DAY PER 8 HRS):

₱ 750.00 /day

J. CRANAGE

1.) For 10 tons capacity (minimum of 2 hrs)
(Fractional of 1 hr is considered 1 hr)

₱ 5,000.00 /hr

2.) Crane barge, 10 tons (minimum of 2 hrs)
(Fractional of 1 hr is considered 1 hr)

₱ 5,000.00 /hr

K. GAS FREE INSPECTION BY SHIPYARD AND SUBSEQUENT ISSUANCE OF GAS FREE CERTIFICATE:	P	15,000.00	/tank
L. VENTILATION, BLOWER CONNECT AND DISCONNECT (YARD PROVIDED):	P	1,500.00	/unit
M. USAGE/RENTAL (blower single phase):	P	600.00	/unit/day
N. PROVIDE/INSTALL SCUPPER PLUGS AND REMOVE AFTER:	P	600.00	/pc
O. DEGASSING OF TANKS (FUEL OIL TANK, CARGO OIL TANK, BULLET TANKS AND DOUBLE BOTTOM PRIOR TO MAIN ENTRY USING BLOWERS):			

as per actual cost

III. HULL CLEANING AND PAINTING:

A. HULL CLEANING:

1.) Sandblasting (Minimum area of 250.00 sf)

a.) Sweep (SA 1.0) - using 2nd hand copper slug

P	284.60	/sm
P	26.45	/sf

b.) Commercial grade (SA 2.0) - using 2nd hand copper slug

P	470.21	/sm
P	43.70	/sf

c.) Near white (SA 2.50) - using 2nd hand copper slug

P	507.33	/sm
P	47.15	/sf
	35%	

Note: Surcharge for internal.

2.) Chipping

a.) Pneumatic

P	295.00	/sm
P	27.44	/sf

b.) Manual

P	210.00	/sm
P	19.53	/sf

Note: Surcharge for internal.

3.) Wire brushing

P	123.74	/sm
P	11.50	/sf

4.) Scraping of barnacles

P	64.56	/sm
P	6.00	/sf

5.) Pressurized Water Washing

P	148.49	/sm
P	13.80	/sf

6.) Power tooling (Grinding)

a.) Light Sanding

P	20.00	/sf
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b.) Bare Metal

P	25.00	/sf
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Note: 30% additional for internal

7.) Tank cleaning (whole surface area)

as per actual inspection

a.) Removal of sludge		
b.) Removal of used oil		
8.) For centina or bilge (engine room volume)	₱	161.40 /sm
9.) Soap washing of internal areas.	₱	100.00 /sm
	₱	10.00 /sf
10.) Cement wash of FWT.	₱	100.00 /sm
	₱	10.00 /sf
B. HULL PAINTING (Owner supplied paint):		
1.) Conventional/High performance paint	₱	48.25 /sm/coat
	₱	4.49 /sf/coat
2.) Spray (Conventional/High performance)	₱	52.28 /sm/coat
	₱	4.86 /sf/coat
Note: Surcharge for internal.		20%
CONDITIONS:		
1.) Surcharge for:		
a.) Especially dirty hull condition.		
b.) Use of chemicals for cleaning oil stains.	₱	38.69 /sm
	₱	3.60 /sf
2.) Extra charge hosing down and cleaning of: sandblasted and / or primed areas prior to painting.		
	₱	37.32 /sm
	₱	3.47 /sf
3.) Extra charge for staging per vessel per location	₱	5,980.00
4.) Extra charge for fitting of scrapper plugs.		
5.) Extra for masking or greasing of zinc	₱	86.25 /pc
6.) Hull marking (conventional type).		
a.) Repaint draft& plimsoll marks	₱	1,725.00
b.) Vessel's Name	₱	2,300.00 /set
c.) Port of Registry	₱	2,300.00 /set
IV. DRYDOCKING WORKS:		
A. SEA CHEST:		
a.) Remove, grating scrape, clean, apply one coat of owners paint and refit only. Renewal of stud bolts and grafting will be charged extra.		
Area in (sf) square meter/ sea chest.		
Up to (2.69 sf) 0.25 sm.	₱	2,365.00 /unit
Up to (5.38 sf) 0.50 sm.	₱	2,820.00 /unit
More than 0.50 sm.		as per actual
Note: Renewal of stud bolts and gratings.		(+105% of tariff)
Extra charge for blasting of seachest box		(+50% of tariff)

B. SEA VALVES & OVERBOARD VALVES: (Flange Type)

a.) Pull-out and installation of valves only

GLOVE VALVE DIAMETER

25.40 mm (1")	₱	265.00	/pc
50.80 mm (2")	₱	421.00	/pc
76.20 mm (3")	₱	716.04	/pc
101.60 mm (4")	₱	928.39	/pc
127.00 mm (5")	₱	1,407.51	/pc
152.40 mm (6")	₱	2,158.65	/pc
203.20 mm (8")	₱	3,250.26	/pc
254.00 mm (10")	₱	4,339.50	/pc

b.) Open, scrape, clean, apply one coat of owners paint and refit, grinding and re-setting of valves, repacking and renewal of owner supply gasket only (flange type).

GLOVE VALVE DIAMETER

25.40 mm (1")	₱	1,560.00	/pc
50.80 mm (2")	₱	3,120.00	/pc
76.20 mm (3")	₱	4,680.00	/pc
101.60 mm (4")	₱	6,240.00	/pc
127.00 mm (5")	₱	7,800.00	/pc
152.40 mm (6")	₱	9,360.00	/pc
203.20 mm (8")	₱	12,480.00	/pc
254.00 mm (10")	₱	15,600.00	/pc

Note:

1. with extra charge for cutting of stud bolts, capscrew and fabrication of gaskets (owner supplied)

2. with additional 15% surcharge for hydrotesting.

C. ZINC ANODE (PLAIN INSTALLATION):

1.) Bolted type	₱	350.00	/pc
2.) Welded type	₱	300.00	/pc

**Price for ordinary strap type*

NOTE:

1.) Extra charge for installation and removal of zinc anode guard.	₱	450.00	/pc
2.) Extra charge for installation of zinc anode guard with round bar (owner supplied).	₱	600.00	/pc
3.) Extra charge for cementing of bolted holes.	₱	100.00	/pc

4.) Extra charge for renewal/ installation of anodes inside tanks.

25%

5.) Extra charge for the supply of rubber gasket for bolted type.

as per actual

6.) Extra charge for zinc anode w/ more than two straps welds.

50%

7.) Extra charge for removal only of wasted anode guard.

₱ 195.00 /pc

8.) Strap/ wasted anode removal.

75%

D. ANCHOR CHAIN, CHAIN LOCKER:

1.) Range anchor & chain, base down, mark & paint w/ owner's paint.

GRT

Up to 499

₱ 5,850.00

500 to 999

₱ 9,196.00

1,000 to 1,999

₱ 12,870.00

2,000 to 3, 499

₱ 16,965.00

3,500 to 5,000

₱ 21,996.00

2.) Disconnection/ Connection Bitter Chain

GRT

Up to 499

₱ 2,210.00

500 to 999

₱ 2,691.00

1,000 to 1,999

₱ 3,217.50

2,000 to 3, 499

₱ 3,744.00

3,500 to 5,000

₱ 4,504.50

3.) Calibration & Issue Certificate

GRT

Up to 499 to 5,000

₱ 15,000.00

4.) Chain locker to wash down, clean & paint (one coat).

GRT

Up to 499

₱ 3,802.50

500 to 999

₱ 7,371.00

1,000 to 1,999

₱ 10,296.00

2,000 to 3, 499

₱ 13,045.50

3,500 to 5,000

₱ 16,438.50

a.) Removal of gratings.

₱ 1,950.00 /pc

b.) Removal of excessive mud.

₱ 3,250.00 /cu.m

c.) Chipping.

₱ 226.20 /sm

d.) Cranage for unshipping of chain.

₱ 1,950.00 /hr

e.) Chipping of chain/anchors to be extra charge.

e.1.) For chains up to 3/4" dia.

₱ 2,145.00 /shot

e.2.) For chains up to 1-1/4" dia.

₱ 2,860.00 /shot

V. UNDERWATER MACHINERIES/ STERN GEAR:

A. TAILSHAFT (PER SHAFT):

1.) Measuring clearance & repack glands.

a.) Measuring clearance (including re-moving & refitting rope guard).

Shaft Diameter

UP to 75 mm (3")	₱ 2,232.36
76 mm to 100 mm (4")	₱ 2,678.13
101 mm to 150 mm (6")	₱ 3,574.93
151 mm to 200 mm (8")	₱ 4,708.66
(10")	₱ 5,842.39
(12")	₱ 6,976.12
(14")	₱ 8,109.85

b.) Repack stern glands (owner's packing).

Shaft Diameter

UP to 75 mm (3")	₱ 7,518.42
76 mm to 100 mm (4")	₱ 12,100.72
101 mm to 150 mm (6")	₱ 16,677.65
151 mm to 200 mm (8")	₱ 27,802.71
(10")	₱ 38,939.77
(12")	₱ 50,076.83
(14")	₱ 61,213.77

Note: more than 16' Length with add'l charge of 50% tariff

3.) Dismantle intermediate shaft including bearing and lay on shaft & re-install after work.

Shaft Diameter

UP to 75 mm (3")	₱ 13,388.89
76 mm to 100 mm (4")	₱ 14,766.57
101 mm to 150 mm (6")	₱ 23,348.52
151 mm to 200 mm (8")	₱ 34,398.00
(10")	₱ 45,447.48
(12")	₱ 56,496.96
(14")	₱ 67,546.44

Note: more than 16' Length with add'l charge

4.) Mobilize from yard to shop, check straightness on lathe, polishing of brass sleeve, haul back after work.

Shaft Diameter

UP to 75 mm (3")	₱ 9,108.45
76 mm to 100 mm (4")	₱ 10,045.62

101 mm to 150 mm (6")	P	15,882.75
151 mm to 200 mm (8")	P	24,570.00
(10")	P	33,257.25
(12")	P	41,944.50
(14")	P	50,631.75

Note: more than 16' Length with add'l charge

CONDITIONS: (Extra Charge)

1.) Cementing of bolted holes.	P	650.00 /pc
2.) For shaft drawn inwards.		add 100%
3.) Overhauling of oil seals.		per quotation
4.) Re-alignment of shafting w/ intermediate shaft & plumber bearings.		add 20%
5.) Uncoupling/ withdrawal of tailshaft.		
(for controllable pitch with 3 bladed propellers).		add 100%
(for controllable pitch with 4 bladed propellers).		add 150%
6.) Temporary lightings & ventilation, blower, if utilized.		add 100%
7.) For cutless bearing renewal.		add 50%
8.) For machining the size of tailshaft.		per quotation
9.) Extra charge for sleeve.		
a.) Up to 4" shaft.	P	150.00 /in.
b.) 4-1/2" to 6" dia.	P	200.00 /in.
c.) Over 6" diameter	P	300.00 /in.
10.) For oil lubricated shaft.		add 50%
11.) For more than 16 feet T/S length.		add 50%

Note: Separate charges on the following:

- a. Straightening of tailshaft
- b. Reface of bronze sleeve
- c. Reface of coupling
- d. Remove/re-install wood brg. Using guyacan/lignum vitae (labor and materials)
- e. Fabrication of coupling
- f. Welding/machining of packing gland
- g. Coupling/propeller blue fitting to shaft
- h. Fabrication/machining of new camisa and fit to shaft
- i. Crack testing using die penetrant/magnaflux
- j. Machining of wood bearing
- k. Thordon bearing
- l. Supply of dry ice or nitrate for thordon/cutless bearing (owner supplied)

B. PROPELLER (PER UNIT):

1.) Clean and polish propeller in place.

Propeller Diameter

Up to 610 mm (2')	P	2,918.56
611 mm to 1220 mm (Up to 2' to 4' dia.)	P	5,802.03
1221 mm to 1525 mm (Up to 4' to 5' dia.)	P	11,082.82
1526 mm to 1830 mm (Up to 5' to 6' dia.)	P	13,553.86
1831 mm and above (6' and above)	P	252.72 additional
increment of 1 inch to tariff, any fraction is considered 1 inch		

NOTE:

a.) Surcharge for five (5) bladed propeller **25.00%**

2.) Pull out propeller for inspection & re-install.

Propeller Diameter

Up to 610 mm (2')	P	2,918.56
611 mm to 1220 mm (Up to 2' to 4' dia.)	P	5,802.03
1221 mm to 1525 mm (Up to 4' to 5' dia.)	P	11,082.82
1526 mm to 1830 mm (Up to 5' to 6' dia.)	P	13,553.86
1831 mm and above (6' and above)	P	252.72 additional
increment of 1 inch to tariff, any fraction is considered 1 inch		

NOTE:

a.1) Extra charge for controllable pitch 3 bladed propeller. **100%**

a.2) Extra charge for controllable pitch 4 bladed propeller. **150%**

b.) Exclude removal tailshaft.

c.) Tallow & cementing. **5%**

d.) Surcharge for five (5) bladed propeller. **25%**

e.) Extra charge for build up & fairing of propeller blade.

f.) Surcharge for removal/ installation of keyless propeller/couplings. **250%**

g. Crack testing

3.) Mobilize from yard to shop, check pitch & balance statically

Propeller Diameter

Up to 610 mm (2')	P	2,088.45
611 mm to 1220 mm (Up to 2' to 4' dia.)	P	4,178.75
1221 mm to 1525 mm (Up to 4' to 5' dia.)	P	6,963.84
1526 mm to 1830 mm (Up to 5' to 6' dia.)	P	10,445.76
1831 mm and above (6' and above)	P	18,072.99

Note: Separate charges on the following:

- a. Fixing of pitch and balancing
- b. Propeller blue fitting
- c. Welding and machining of crack portions
- d. Fair-up of dented blades

C. RUDDER: (Hydraulic or Mechanical System)

- 1.) Take rudder pintle & stock bearing clearance & submit data to owner per blade.

Vessel Length

Up to 15.00 m (49.20 ft)	P	1,944.54
16.00 m to 30.00 m (98.40 ft.)	P	4,240.00
31.00 m to 45 m (147.60 ft.)	P	5,446.00
46.00 m to 61.00 m (200.00 ft.)	P	5,847.52
62.00 m 76.00 m (249.30 ft.)	P	6,157.40
77.00 m to 92.00 m (252.56 ft.)	P	6,513.02
93.00 m to 107.00 m (305.04 ft.)		

- 2.) Repack rudder stuffing box using vessels packing per box.

Vessel Length

Up to 15.00 m (49.20 ft)	P	1,016.00
16.00 m to 30.00 m (98.40 ft.)	P	1,612.00
31.00 m to 45 m (147.60 ft.)	P	2,206.00
46.00 m to 61.00 m (200.00 ft.)	P	2,611.00
62.00 m 76.00 m (249.30 ft.)	P	4,399.00
77.00 m to 92.00 m (252.56 ft.)	P	6,186.00
93.00 m to 107.00 m (305.04 ft.)	P	7,974.50

- 3.) Remove rudder blade for survey & re-install.

Vessel Length

Up to 15.00 m (49.20 ft)	P	3,276.58
16.00 m to 30.00 m (98.40 ft.)	P	4,399.13
31.00 m to 45 m (147.60 ft.)	P	7,295.53
46.00 m to 61.00 m (200.00 ft.)	P	9,517.36
62.00 m 76.00 m (249.30 ft.)	P	11,200.41
77.00 m to 92.00 m (252.56 ft.)	P	12,883.46
93.00 m to 107.00 m (305.04 ft.)	P	14,566.51

- 4.) Remove from quadrant & unship rudder stock, check straightness and re-install.

Vessel Length

Up to 15.00 m (49.20 ft)	P	3,931.90
16.00 m to 30.00 m (98.40 ft.)	P	6,465.42
31.00 m to 45 m (147.60 ft.)	P	9,679.18
46.00 m to 61.00 m (200.00 ft.)	P	12,918.20
62.00 m 76.00 m (249.30 ft.)	P	14,135.47

77.00 m to 92.00 m (252.56 ft.)

₱ 15,352.74

93.00 m to 107.00 m (305.04 ft.)

₱ 16,570.01

5.) Cementing of Rudder Flanges

₱ 2,000.00

Note: Separate charges on the following:

- a. Reface sleeve & bushing of rudder shaft
- b. Welding and machining of rudder shaft
- c. Alignment of upper bearing housing & rudder stock

d. Removed and renewed worn-out wood bearing using guyacan/lignum

e. Crack testing of rudder stock.

Note: Separate charges for foreign vessels

(ex. Removal of force fit tiller arm to rudder stock)

D. STRUT ALIGNMENT (STEEL VESSELS):

1.) Check-up alignment per strut/ struts.

as per actual cost

2.) Cut/ weld, adjust & fix strut found mis-aligned per strut.

a.) Bolted type

as per actual cost

b.) Fixed type w/ two/ three arms welded

as per actual cost

E. ALIGNMENT OF MAIN ENGINE W/ RESPECT (Per Quotation) TO TAILSHAFT & ENGINE BED (STEEL BASE)

(Rate as per Shipyard's Discretion)

VI. HULL INSPECTION:

A.) Hammer test & inspection of hull & mark suspected weak plates.

₱ 3,120.00

B.) Test holes and plug welded same per hole.

₱ 500.00

C.) Spot sanding and ultrasonic thickness reading per spot. (w/o class)

₱ 80.00

D.) Shell expansion plan indicating work done in three copies.

a.) With reference plan

₱ 6,000.00

b.) New shell expansion plan

₱ 8,000.00

E.) Rewelding of wasted seams per linear feet/pass

₱ 95.00

F.) Champering/ veeling to remove old weld per feet/pass.

₱ 95.00

G.) Shell and deck plate renewal w/o class (Steel to be supplied by owner) replating per kg.

₱ 54.00

(a fraction of 1ft. Is considered as 1ft.)

Conditions:

- 1.) Shape plate surcharge curvature:
 - Single Curve add 15%
 - Double Curve add 30%
 - Compound Curve add 45%
- 2.) Quantity of steel work per location: 12 kgs.
- 3.) Internal repairs or enclosed area (confined space):
 - add 20%
- 4.) Surcharge for second hand plates/frames
 - add 20%
- 5.) Additional charge for extra welding/linear feet/pass for bulkhead, tank top, and flooring, & frames that part of hull repair

H.) Doubler per kg. (min. 13.80/ kg/location).	P	44.00
I.) Installation of fender angle per linear meter.		
a.) Up to 152.40 mm (6") split pipe.	P	1,041.30 /lm
	P	317.20 /lf
b.) Up to 254.00 mm (10") split pipe.	P	1,424.80 /lm
	P	434.20 /lf

Note: 1. Up to sched. 80 in excess, with extra charge

2. Additional charge for half moon and flat bar installed inside fender
3. Additional 20% surcharge for enclosed area
4. Additional 20% surcharge for splitting
5. Additional charge for extra welding/ linear feet/ pass
6. Extra charge for cementing

J.) Installation of chine angle per linear meter.		
a.) Up to 101.60 mm (4") angle bar.	P	831.48 /lm
	P	253.50 /lf
b.) Up to 152.40 mm (8") angle bar.	P	1,691.69 /lm
	P	515.45 /lf
K.) Reframing per linear meter.		
a.) Up to 50.80 mm (2") angle/flat bar.	P	518.70 /lm
	P	158.86 /lf
b.) Up to 101.60 mm (4") angle/flat bar.	P	625.30 /lm
	P	189.28 /lf
c.) Up to 152.40 mm (6") angle/ flat bar.	P	669.24 /lm
	P	204.49 /lf
d.) Up to 203.20 mm (8") angle/ flat bar.	P	755.43 /lm
	P	229.84 /lf
e.) Up to 304.80 mm (10") depth.	P	1,230.32 /lm

f.) Up to 457.20 mm (18") depth.	₱ 375.18 /lf
	₱ 2,004.34 /lm
	₱ 611.00 /lf
g.) Up to 609.60 mm (24") depth.	₱ 2,169.96 /lm
	₱ 660.79 /lf
L. Fabrication of frames (T-bar/A-bar/F-bar)	
a.) Up to 152.40 mm (6") angle bar.	₱ 383.63 /lm
	₱ 116.61 /lf
b.) Up to 304.80 mm (12") depth.	₱ 436.02 /lm
	₱ 131.82 /lf
c.) Up to 457.20 mm (18") depth.	₱ 1,051.18 /lm
	₱ 321.10 /lf
d.) Up to 606.60 mm (24") depth.	₱ 2,031.38 /lm
	₱ 617.89 /lf

Note:

1. Chain & Staggered welding only

2. Additional charge for extra welding per linear feet/ pass

M. Piping Works (minimum of 1 meter)

Pipe / lm

Size	
1" dia.	₱ 292.37 /lm
	₱ 89.14 /lf
2" dia.	₱ 461.37 /lm
	₱ 140.66 /lf
3" dia.	₱ 784.16 /lm
	₱ 239.07 /lf
4" dia.	₱ 1,015.69 /lm
	₱ 309.66 /lf
5" dia.	₱ 1,534.52 /lm
	₱ 467.84 /lf
6" dia.	₱ 2,360.93 /lm
	₱ 719.80 /lf
8" dia.	₱ 3,557.45 /lm
	₱ 1,084.59 /lf
10" dia.	₱ 5,337.02 /lm
	₱ 1,627.14 /lf
12" dia.	₱ 8,029.84 /lm
	₱ 2,448.12 /lf

Elbow / pc

Size	
1" dia.	₱ 192.66

2" dia.	₱	304.20
3" dia.	₱	517.14
4" dia.	₱	670.93
5" dia.	₱	973.44
6" dia.	₱	1,554.80
8" dia.	₱	2,347.41
10" dia.	₱	3,521.96
12" dia.	₱	5,282.94

Flange / pc

Size		
1" dia.	₱	192.66
2" dia.	₱	304.20
3" dia.	₱	517.14
4" dia.	₱	670.93
5" dia.	₱	973.44
6" dia.	₱	1,554.80
8" dia.	₱	2,347.41
10" dia.	₱	3,521.96
12" dia.	₱	5,282.94

Valve/ pc

Size		
1" dia.	₱	255.19
2" dia.	₱	405.60
3" dia.	₱	689.52
4" dia.	₱	894.01
5" dia.	₱	1,355.38
6" dia.	₱	2,078.70
8" dia.	₱	3,129.88
10" dia.	₱	4,694.95
12" dia.	₱	7,043.92

Note:

1.) Extra charge for gasket.	₱	65.00 /pc
2.) Additional for internal pipings.		add 35%
3.) For stainless steel piping.		add 100%
4.) For fabrication of fittings.		add 20%
5.) For second hand materials.		add 20%
6.) Bending of pipes.		add 50%
7.) For schedule 80 pipes.		add 30%
8.) For G.I. Materials.		add 25%
9.) Inways to be charged extra.		

MISCELLANEOUS WORKS / SERVICES

1.) Tank Cleaning & Testing

a.) Remove scupper or drain plug & re-install, with owner supplied gasket

₱ 450.00 /pc

b.) Remove manhole & re-install with owner supplied gasket. *Note: inway job and renewal will be charge extra*

₱ 1,750.00 /pc

c.) Clean & apply one (1) coat cement wash to fresh water tanks with owner supplied materials

- Minimum Charge (10 tons capacity)

₱ 3,751.00 /per tank

- Surcharge / Ton / Tank capacity in excess of 10 tons

₱ 115.00 /per ton/tank

d.) Clean & wipe down ballast tank for survey & inspection

- Minimum Charge (10 tons capacity)

₱ 5,630.00 /per tank

- Surcharge / Ton / Tank capacity in excess of 10 tons

₱ 135.00 /per ton/tank

e.) De-gassing cleaning, wipe down fuel/oil tanks

- Minimum Charge (10 tons capacity)

₱ 3,750.00 /per tank

- Surcharge / Ton / Tank capacity in excess of 10 tons

₱ 112.00 /per ton/tank

ADO Tank

₱ 500.00 /per tank

Lube Oil Tank

₱ 500.00 /per tank

Bunker Fuel Tank

₱ 1,000.00 /per tank