

1.	<b>GENERAL SERVICES</b>	
	<b>Pilot Services</b>	
	Yard's pilot for shifting inside yard premises.	
2.		
	<b>Tugboats Services</b>	
	Exclusive partnership with MEGATUGS	
	<b>Note</b> : Please communicate directly to <a href="mailto:commercial@megatugs.gr">commercial@megatugs.gr</a> for inquiry	
3.		
	<b>Riggers</b>	
	Supply riggers ashore to assist vessel's crew for mooring and unmooring the vessel	
4.		
	<b>Electric Power</b>	
	Connecting and disconnecting cables for capacity of 200 A	
	Supply electricity (440V/60 Hz)	
	Supply electricity (380V/50 Hz)	
5.		
	<b>Safety Engineer</b>	
	Safety Engineer will mandatory attend vessel during repair period based on Greek	
6.		
	<b>Gas Free Certificates</b>	
	Supply gas free certificate on arrival	
	Provide gas free certificate/hot work permission	
	<b>Note</b> : Mandatory issuing of gas free certificates based on Greek Regulation and Local	
7.		
	<b>Sea water for Fire Line</b>	
	Connection/disconnection	
	Sea water supply	
8.		
	<b>Compressed Air supply</b>	
	Connection/disconnection	
	Supply (from yard's circuit)	
9.		
	<b>Cooling water supply</b>	
	Connection/disconnection	
	Cooling water supply	
10.		
	<b>Firewatchmen</b>	
	Firewatchmen (shift: 8h)	
	A. In case use of flame is required on many locations, port authorities regulations and yard's safety policy necessitate the use of more than one fire watchman and will be charged as per tariff.	
	<b>Note</b> : Mandatory attendance for 24-hour basis (3 shifts).	
11.		
	<b>Crane Services</b>	

	Pier crane for owner's use	
	a) Up to 15 tons	
	b) From 15 tons up to 40 tons	
	For week days: min charge 4 hours	
	For weekend and holidays: min charge 8 hours	
12.		
	<b><u>Cherry Picker Services</u></b>	
	Provide cherry picker services	
	Shifting cherry picker by crane	
13.		
	<b><u>Fresh water supply</u></b>	
	Connection and disconnection	
	Fresh water supply (minimum charge: 30 tons)	
14.		
	<b><u>Gangway</u></b>	
	Gangway supply per time - per operation	
15.		
	<b><u>Wharfage dues</u></b>	
	Wharfage dues (alongside - stern to)	
16.		
	<b><u>Ballast water</u></b>	
	Supply of sea water for ballast tanks	
	Connection - Disconnection	
	Vent head removal, if required	
17.		
	<b><u>ADDITIONAL SERVICES (If required)</u></b>	
A.		
	<b><u>Portable Lights</u></b>	
	Temporary lighting	
B.		
	<b><u>Air Ventilators</u></b>	
	Air ventilator	
C.		
	<b><u>Solid Waste &amp; Oily Water disposal</u></b>	
	a) According to Port Authority Regulations it is compulsory for the vessel to pay fixed charges for ship's solid waste collection and disposal.	
	b) According to Port Authority Regulations it is compulsory for the vessel to pay fixed charges for ship's liquid waste (sludges, sewage, oily waters) collection and disposal.	
	b1. Hose connecting and disconnecting operation	
	b2. Especially, there will be an extra cost per barrel for collection:	
	Sea water / Fresh water	
	Fuel oil / Sludge	
	Diesel oil / Bilge	

	<p><b>SEWAGE DISPOSAL</b></p> <p>Hose connecting and disconnecting operation Disposal through authorised receiver as per "DELIVERY OF WASTE AND CARGO RESIDUES IN ELEFSIS PORT FACILITIES" attachment</p>	
	<p><b>Note:</b></p> <p>1) Disposal through authorised receiver as per "DELIVERY OF WASTE AND CARGO RESIDUES IN ELEFSIS PORT FACILITIES" attachment.</p> <p>Above mentioned fixed charges will be compensated with cost of actual disposals and charged from the above environmental companies directly to the vessel.</p> <p>2) If vessel delivers - disposes solid/liquid wastes right before departure, extra costs will occur.</p>	
	<p><b>Note:</b></p> <p>1) Above mentioned fixed charges will be compensated with cost of actual disposals and charged from the above environmental companies directly to the vessel.</p> <p>2) If vessel delivers - disposes solid/liquid wastes right before departure, extra costs will occur.</p>	
	<b>Slops Disposal</b>	
	To be arranged directly by agents, before vessel's entry at yard's premises	
<b>D.</b>		
	<b>Stagings / Scaffoldings</b>	
	External staging - min. charge per staging 50m3	
	Internal staging - min. charge per staging 50m3	
	Welded type staging (minimum 3 meters per staging per step)	
	Wooden planks installation instead of staging	
	<b>Notes:</b>	
	Access opening for passing through the materials, if required, is excluded.	
	Hanging staging to be charged on man hour basis (EUR 35 / man-hour)	
<b>E.</b>		
	<b>Debris Removal</b>	
	Removal of debris caused by yard's repairs is included in individual quoted items.	
	In case owner requires add cleaning in the areas, price will be submitted on the spot and	
<b>F.</b>		
	<b>Manhole Covers</b>	
	Water ballast tanks manholes to be opened up and closed	
	Coaming edge to be grounded smooth	
	Built up by welding (including welding material)	
	Manholes' rubber packing to be fabricated and supplied	
	Studs with nuts (no welded type) to be renewed	
<b>18.</b>		
	<b>Load Tests</b>	
	Gangway	
	Provision crane	

	Bunker hose davits	
	Lifeboats	
<b>19.</b>		
	<b><u>Provide Assistance - Man Power</u></b>	
	Assistance to be provided on a man-hour basis as per below labor rates:	
	Fitter / Electrical / Rigger	
	Cleaner	
	Burner / Welder	
	Machinist	
	Supplied materials will be charged additionally.	
<b>20.</b>		
	<b><u>DRYDOCKING SERVICES</u></b>	
	<b>For Floating Dock II - Panamax size (230x35m) / Lifting capacity 18.000 tons</b>	
	<u>Docking / Undocking dues</u> <b>Including:</b> cleaning of floating dock from garbages upon completion.	
	Subsequent cost for each day on floating dock	
	Additional removal / repositioning of keel blocks	
	Additional removal / repositioning of side blocks	
	Diver's mandatory attendance during dry-docking operation (minimum charge of 2 x men squad x 2 hours)	
	Preparation of blocks, based on docking plan	
	<b><u>Hull Treatment</u></b>	
	Note: Below mentioned prices are for full areas	
	Low Pressure Fresh Water Washing (Minimum 1000m2)	
	Hydroblasting with 500 bar	
	Hydroblasting with 1000 bar	
	<b><u>Ultra High Pressure Water Jetting - WJ3 (with lances)</u></b> Daily production of UHPWJ (quality standard WJ3) up to 3.500 m2	
	<b><u>Ultra High Pressure Water Jetting - WJ2 (with lances)</u></b> Daily production of UHPWJ (quality standard WJ2 with lances) up to 1.000 m2.	
	<b><u>Ultra High Pressure Water Jetting - WJ1 (with dockboy, dockmate)</u></b> Daily production of UHPWJ (quality standard WJ1) up to 2500 m2.	
	Application of T/U coat layer (minimum 1.000 m2)	
	Application of F/C coat layer	
	Cutting separation lines between painting areas	
	Bow thruster tunnel to be cleaned and painted as per bottom area, staging included	
	<b><u>Notes:</u></b>	
	1) All paints, thinners and cleaners for tools to be owner's supply	

2) All above prices will not be applied in case of silicon, glass flake, ice class or low friction existing coatings.	
3) Special coatings and protection of vessel's fittings, windows, portholes etc., will be charged extra.	
4) If, following blasting of steel surfaces, re-blasting is required due to prevailing weather conditions. cost and time will be on owners' account.	
5) For touch-up coats, area of each coat is to be increased as required.	
6) Empty paint drums to be collected and loaded for disposal	
7) In case of 100% WJ1 Treatment per area , price will be increased by 20%.	
8) In case of spider usage at WJ1, surcharge of 20%.	
9) In case of spot treatment WJ1,WJ2,WJ3 less than 50% of the total area, then a surcharge of 25% will be applied on the quoted prices.	
10) In case spot areas treatment, min charge 30% of total sq.m per area.	
11) Prior to commencement of works, sample will be taken and agreed with owner representative for each treatment requested.	
12) Above prices are applicable for paint thickness of up to 1000 microns. Thickness 1000 - 2000 microns there will be a surcharge 15%, and thickness 2000-3000 microns	
13) In case of different coating systems in each area (i.e. FB, BTP, VS,TS) additional charge will be applied.	
14) In case of extensive macrofouling and/or very heavy macrofouling, a surcharge of 50% will be applied on the quoted prices.	
15) In case that after washing of hull / holds soluble salts are remain in the surface, additional washing will be charged extra.	
16) Prices for painting are applicable for air less spray with lances.	
17) Washing/blasting for removal of flash rust due to high humidity levels to be charge extra.	
18) Waste managment and disposal through authorised receiver as per "DELIVERY OF	
<b><u>Vessel Markings</u></b>	
Name and Port of registry	
Draft and Plimsoll marks	
IMO Number	
Tank and bulkhead marks	
Manifold Marks	
Bottom plugs marks	
Thruster marks	
Bulbous bow marks	
Pilot embarkation marks	
Tugs contact marks	
<b><u>Bottom Plugs</u></b>	
Bottom plugs to be removed, refitted, vacuum tested and cemented.	
Removing and/or refitting keel blocks	
<b><u>Scupper Plugs</u></b>	
Install scupper plugs with extension pipes during painting	
<b><u>Sea Chests</u></b>	

	Main sea chests (up to one square meter) to be opened up, chests & grids thoroughly cleaned, blasted, coated as per hull bottom painting scheme and reclosed / locked. Staging included.	
	Aluminum / ZINC anodes (max 10kgs each) to be renewed in sea chest with owners'	
	<b>Rudder</b>	
	Pintle access plates up to 75 kg weight to be cropped off and re-welded in place.	
	Welded type access plate up to 75 kg weight to be fabricated and welded	
	Rudder pintle clearances to be measured and recorded, excluding removal of access plates	
	Rudder plug to be removed/refitted, vacuum tested and cemented.	
	<b>Tailshaft</b>	
	Rope guard to be removed and refitted in place	
	Owners' supply welded type anodes to be renewed	
	Tail shaft wear down to be measured and recorded	
	<b>Propeller</b>	
	Propeller to be cleaned by rotary disc (normal polishing).	
	Propeller to be super polished to yard's standards.	
	<b>Anchors and anchor chains</b>	
	Anchors and chains to be ranged in dry-dock, cleaned by high pressure fresh water, inspected, calibrated / recorded, shackles marked / painted and restored.	
	D shackles (owner's supply) to be renewed	
	Loose chain studs to be welded	
	Chain lengths (owner's supply) to be renewed	
	Kenter shackles (owner's supply) to be renewed	
	<b>Chain lockers</b>	
	Removal of grids	
	Chain lockers lower parts to be cleaned for inspection, remaining water pumped out and lockers painted with one (1) coat of owners' supply paint, excluding removal/disposal of mud	
	Chain lockers to be derusted by power tooling, excluding staging / per locker - on man hour basis	
	Mud removal	
	Disposal through authorised receiver as per "DELIVERY OF WASTE AND CARGO	
	<b>Hull Anodes</b>	
	Anodes (welded type) to be renewed with owner's supply material	
	Anodes (bolted type) to be renewed with owner's supply material	
	Stainless steel bolts to be renewed	
21.		
	<b>STEEL WORKS</b>	
	Renewal of A grade flat steel base price	
	<b>Note: Above unit prices will be surcharged for the below areas:</b>	
	For quantities 30 - 2000 kgs	

	For quantities 2001 - 10000 kgs	
	For quantities 10001 - 50000 kgs	
	Single curve plates	
	Double curve plates	
	Superstructure & Accommodation areas	
	Cargo holds, TST or Wing Tanks, DB tank internals&engine room area	
	Fore peak, aft peak and pump room	
	Stern area, bow area	
	Less than 10mm thick steel plates	
	AH-36, D&E Grade Steel Plates	
	High tensile steel - DIN 17100 - St 52.3 if available	
	In case only plating is renewed with existing internals (i.e., stiffeners, frames,	
	Prefabrication of profiles stiffeners that are not available in local market	
	Pieces less than 30 kg will be charged as 30 kg.	
	Steel plates / pcs removed for access and refitted will be charge 80% of renewal price.	
	Profiles, flat bars, face bars less than 30 kgs per running meter will be charged as 30 kgs	
	<b>Non-destructive testing</b>	
	Vacuum test of welding seam - per meter	
	Dye check of welding seams	
	<b>Mechanical cleaning &amp; painting</b>	
	Wire brushing and one coat of epoxy painting (owner's supply paint) only from one side of renewed steel.	
	Painting of other effected areas (other than new steel) to be priced extra on spot.	
	If requested, application of paint from both sides (from hold & tank side) then we will	
	<b>Testing</b>	
	Air test of the tanks (min 250m <sup>3</sup> - per tank capacity)	
	<b>Protection for hotworks</b>	
	Laying fireproof fabric for protection of various equipment / fittings during hot works (min.1m <sup>2</sup> /location).	
	Laying fireproof fabric and steel sheet for protection of various equipment / fittings	
	<b>Lightsteel work</b>	
	Soft steel renewal	
	Steel pieces less than 15 kgs will be charged as 15 kgs.	
	<b>Renewal of handrails and stanchions:</b>	
	Top rail pipe 42 mm (pieces over 2m in length)	
	Mid rail round bar 20 mm (pieces over 2m in length)	
	Rail stanchion flat bar 65 x 16 x mm	
	Stay flat bar 60 x 16 x mm	
	Each bend to be calculated as 1 m. pipe or bar renewal.	
	Fitting and accessories i.e., bolts, nuts, butterfly nuts, rods, handles etc. to be charged extra.	

	Removal and refitting of the a/m existing handrails, round bars, etc. as an access will be priced 80% of the a/m renewal prices.	
	All other kind of works, repairs, renewals, staging, painting and access works, etc. are	
	<b>General rules for steel works:</b>	
	Material, workmanship, lighting, ventilation, crane service for shipyard works, cleaning of yard's residues included, tank cleaning, removal/disposal of mud/sludge, heavy rust,	
	Steel material used for hanging staging shall be added to steel weight and charged accordingly.	
	Special & high-grade steel materials (D, E, AH, DH, EH etc.) subject to availability in Yard's stocks.	
	Steel access openings shall be determined by the shipyard and to be charged as 80% of the below steel renewal price and these openings will be added to steel weight calculation for determining of the total repair period.	
	In case steel renewals cause any misalignment to the adjacent steel structures,	
	Painting after steel works is not included.	
	Shipyard will have no responsibility after vessel leaves the shipyard if tank tests will not be carried out partially or totally in the yard due to the limited time period.	
	In case only plating is renewed with existing internals (i.e., stiffeners, frames,	
	Steel plates having thickness of less than 8 mm to be calculated as 8 mm.	
	Total steel weight calculation will be carried out by measuring from the vessel, density of	
	Measurements shall be done with max length and max breadth.	
	Artificial profiles shall be calculated differently.	
	Holed pieces are calculated as gross weight.	
	Even renewed steel parts are less than 30 kg/pc, that parts will be considered as 30	
	All steel scraps are Yard's property.	
	In case having difficulty in finding enough quantities of steel material for a specified	
<b>22.</b>		
	<b><u>PIPE WORKS</u></b>	
	<b><u>SCH 40 - Seamless steel pipes:</u></b>	
	Sch 40 - Up to DN 25 - 1"	
	Sch 40 - DN 50 - 2"	
	Sch 40 - DN 80 - 3"	
	Sch 40 - DN 100 - 4"	
	Sch 40 - DN 125 - 5"	
	Sch 40 - DN 150 - 6"	
	Sch 40 -DN 200 - 8"	
	Sch 40 -DN 250 - 10"	
	Sch 40 -DN 300 - 12"	
	Sch 40 - DN 350 - 14"	
	Sch 40 - DN 400 - 16"	
	<b>General notes:</b>	
	1. For SCH 80 pipes surcharge of 30% will occur.	
	2. Hot deep galvanizing of pipes will be charged 25% extra.	



3.	Hydraulic pipes will be charged 35% extra.	
4.	Pipes in areas of, cargo tanks, pump room, cargo holds, E/R etc will be 20% extra.	
4a.	Pipes in double bottom tanks, peaks, cofferdams, bilges and other confined spaces	
5.	Less than 1 m pipes will be charged as 1 m.	
6.	Deck and bulkhead penetrations for pipes up to 5" will be charged as 2 mtrs pipe	
7.	Bends will be charged as elbow price.	
8.	U-bolt renewals will be 10 EUR/inch.	
9.	Sleeves and rings will be charged as 1 mtr pipe renewal price.	
10.	Re-using of old flanges will be charged 75% of flange renewal price.	
11.	Access works, staging, gas free, painting etc. will be charged as extra.	
12.	Removal and refitting of pipes and fittings as access will be charged 65% of renewal	
13.	Less than DN25 pipes and fittings will be charged as DN 25.	
14.	Reducers will be charged as 2 mtrs of pipe price as per larger side diameter.	
15.	Removal and refitting of valves or renewal with o/s spares will be charged as 1 mtrs pipe renewal price.	
16.	Acid treatment for hydraulic lines will be charged 40% extra. Discharging of system,	
17.	Copper pipe renewal will be charged 75% extra.	
18.	For owners' supplied aluminum brass and cunifer pipes will be charged 25% extra	
19.	For intermediate pipe sizes, the next higher size will apply.	
20.	Low temperature, aluminum, brass and CuNiFer pipes and fittings to be owners'	
21.	T-connections will be charged as 3 meters of pipe's length	
23.		
<b><u>SEA VALVES</u></b>		
	<u>Globe valves</u> to be opened up in situ, cleaned, inspected, seats and discs ground in, painted with apexior, repacked, rejointed and reclosed.	
	<u>Butterfly valves</u> to be removed, cleaned, inspected and refitted.	
	<u>Storm valves</u> to be opened up in situ, cleaned, inspected, painted with apexior,	
	<b>Valves</b>	
	Valves up to 50 mm diameter - 2"	
	Valves up to 100 mm diameter - 4"	
	Valves up to 125 mm diameter - 5"	
	Valves up to 150 mm diameter - 6"	
	Valves up to 200 mm diameter - 8"	
	Valves up to 250 mm diameter - 10"	
	Valves up to 300 mm diameter - 12"	
	Valves up to 350 mm diameter - 14"	
	Valves up to 400 mm diameter - 16"	
	Valves up to 450 mm diameter - 18"	
	Valves up to 500 mm diameter - 20"	
	Valves up to 550 mm diameter - 22"	
	Valves up to 600 mm diameter - 24"	
	Valves up to 650 mm diameter - 26"	
	Valves up to 700 mm diameter - 28"	
	<b><u>Notes:</u></b>	
	Above prices are for works in situ.	
	For valves transported to shop, 80% extra to be charged excluding repairs.	

	Pressure test of valves can be carried out only in workshop, and additional cost of 25% will be charged as well as other relevant charged on above mentioned inspection prices.	
	For valves in confined spaces (cofferdams, peaks, D.B. tanks, etc.), 100% extra to be	
	For valves in engine room below the platform floor 25% extra to be charged.	
	For valves in pump room, 50% extra to be charged.	
	For hydraulic operated valves, surcharge 10%.	
	Renewals of butterfly rubber seals with owner's supply spares, surcharge 50% extra of	
	Overhauling / inspection of the operation mechanisms will be charged extra.	
	Assuming all pipe lines and spaces to be gas free for use of flame.	
	All repairs and removals for access excluded.	
	Manholes removal / refitting, ventilation, lighting and staging erection, if occurred, will be charged as per quoted unit prices.	
	Inspection and cleaning of large bore butterfly valves from sea chests / shell plate	
	For intermediate valves sizes the next higher size will apply.	
	Renewal of bolts, studs and nuts, will be charged extra.	
	Special gaskets to be supplied by owner.	
	Renewal of owner's supply valves will be charged by the 80% of overhauling prices.	
24.		
	<b><u>TANK CLEANING</u></b>	
	Cleaning (collection of mud, scrap and dirt) of sea water ballast tanks including lighting and ventilation.	