

The Shipping Corporation of India Ltd. , Mumbai

TECHNICAL SERVICE (FLEET) DEPARTMENT

E-TENDER FOR EMPANELMENT OF SHIP REPAIR WORKSHOPS & FIXATION OF TARIFF RATES

SERVICING OF FIRE FIGHTING EQUIPMENTS & ALLIED ITEMS [RFx 9000049226]

PORT : MUMBAI

NAME OF WORKSHOPS:

RATES ARE IN INDIAN RUPEES EXCLUDING ALL APPLICABLE TAXES .

VALIDITY : TWO YEARS PLUS TWO EXTENSIONS OF THREE MONTHS EACH.

RATES FOR WORKING ON SHIPS ALONGSIDE BERTH/AT STREAM/ANCHORAGE/IN DRYDOCK.

Sr. No.	Item	Unit	Estd Annual Qty. without any guarantee	SAP Service Codes [W/shops to quote rates under 'ITEMS' tab in SRM portal itself]
1	CO2 Cylinder Weighment :			
a)	Disconnecting cylinders from the rack, removing cylinders one by one, weighing, tabulating the weights. Fitting of cylinders back in rack connecting loop pipes with manifold and fitting of clamps. (Renewal of parts extra).	Each cylinder	1000	110000000000004001
b)	Weighment of CO2 cylinder using level detector method.	Each cylinder	500	110000000000004002
c)	CO2 System on Ship – Having less than 40 nos CO2 Cylinders : MINIMUM CHARGE FOR WEIGHMENT	Per CO2 System	10	110000000000004003
d)	Weighment certification issued with DGS Approval – (MOT-1 , Class) Engineer in attendance		10	110000000000004004
2	Overhauling of Non-Return Valves			
	Dismantling of Non-Return Valves from main manifold, servicing / overhauling and fitting back in place with taflon thread seal. (Any renewal of parts will be charged extra).	Each	500	110000000000004005
2(a)	to quote if heated for removal of above N/R V/Vs	each	50	110000000000004006
3	Renewal of Gaskets			
	CO2 Cylinder loop pipe connector gaskets renewal with new gaskets.	Each	500	110000000000004007
4	Refilling of CO2 Cylinder (Non Portable Type)			
a	Emptying and internal inspection of Cylinders	Each	500	110000000000004008
b	Refilling of CO2 Cylinder	Per Kg	1000	110000000000004009
c	Testing hydraulically each cylinder	each cyl	500	110000000000004010
d	Overhauling of each head fitting	Each	500	110000000000004011
e	repair/renewal of parts of above head fitting	each	500	110000000000004012
5	Handling Cylinders during refilling			
a	Handling CO2 Cylinders from CO2 room to deck and loading to transport, unloading at filling station.	Each cyl. Each way	900	110000000000004013
	Handling CO2 Cylinders from filling station to deck and to CO2 room.	Each cyl. Each way	900	110000000000004014
b	Handling CO2 Cylinders within CO2 room and fit back.	Each cyl. Each way	900	110000000000004015
6	Weighment of CO2 Cartridges			
i	Portable Fire Extinguisher CO2 Cartridge Weighment.	Each	1000	110000000000004016
ii	Refilling of CO2 Cartridges	Each	10	110000000000004017
7	Overhauling of Relief Valves.			

	Disconnecting the Relief Valve and taking adrift. Dismantling of the Valve and cleaning of all parts. Assembly of the valve and setting of release pressure in presence of Surveyor (IRS /MMD). (Cost of renewals extra).	Each- (MMD FEE AT ACT.)	16	110000000000004018
8	Blowing through and Smoke Test			
i	Blowing through CO2 System of Engine Room/ Pump Room CO2 Spreaders/ points with compressed air.	Per CO2 System	200	110000000000004019
ii	Blowing through CO2 System of Cargo Hold CO2 Spreaders/ points with compressed air.	Per Cargo Hold	1	110000000000004020
	If Spreaders are above 04 meters , Staging Cost Extra	each	1	110000000000004021
iii	Smoke Test (Nowadays electronic gadget in Bridge or CO2 Room) . Test of sensitivity . Any Repairs / Renewals : Cost Extra	per system	1	110000000000004022
9	Refilling of Compressed Air Cylinder (SCBA/EEBD)			
a	Refilling cost of Compressed air cylinder for S.C.B.A. Set with upto 10 Litres capacity of pure compressed air	Each	100	110000000000004023
b	Overhauling of each head fitting	Each	100	110000000000004024
c	repair/renewal of parts of above head fitting	Each	100	110000000000004025
10(a)	Refilling cost of Compressed air cylinder for S.C.B.A./EEBD Set with upto 60 Litres for Life Boat	Each	24	110000000000004026
b	Overhauling of each head fitting	Each	24	110000000000004027
c	repair/renewal of parts of above head fitting	Each	24	110000000000004028
11	Servicing , Pressure Testing , Refilling of Fire Extinguishers			
	Servicing including Head Assembly			
12.1	Foam			
a)	9 Litres(servicing)	Each	100	110000000000004029
	9 Litres(press.test)	Each	100	110000000000004030
	9 Litres(refilling)	Each	100	110000000000004031
b)	45 liters(servicing)	Each	35	110000000000004032
	45 liters(press.test.)	Each	35	110000000000004033
	45 liters(refilling)	Each	35	110000000000004034
c)	50 liters(servicing)	Each	30	110000000000004035
	50 liters(press.test.)	Each	30	110000000000004036
	50 liters(servicing)	Each	30	110000000000004037
d)	135 liters(servicing)	Each	30	110000000000004038
	135 liters(press.test.)	Each	30	110000000000004039
	135 liters(refilling)	Each	30	110000000000004040
e)	150 liters(servicing)	Each	30	110000000000004041
	150 liters(press.test.)	Each	30	110000000000004042
	150 liters(refilling)	Each	30	110000000000004043
12.2	Water Gas			
a)	9 liters water gas (servicing)	Each	150	110000000000004044
	9 liters water gas (press.test.)	Each	150	110000000000004045
	9 liters water gas (refilling)	Each	150	110000000000004046
12.3	D.C.P.			
a)	4.5 Kg. DCP-(servicing)	Each	300	110000000000004047

	4.5 Kg. DCP-(press. Test)	Each	300	110000000000004048
	4.5 Kg. DCP-(refilling)	Each	300	110000000000004049
b)	9 Kg DCP (servicing)	Each	50	110000000000004050
	9 Kg DCP (press test)	Each	50	110000000000004051
	9 Kg DCP (refilling)	Each	50	110000000000004052
c)	25 Kg DCP (servicing)	Each	50	110000000000004053
	25 Kg DCP (press test)	Each	50	110000000000004054
	25 Kg DCP (refilling)	Each	50	110000000000004055
d)	50 Kg DCP (servicing)	Each	50	110000000000004056
	50 Kg DCP (press test)	Each	50	110000000000004057
	50 Kg DCP (refilling)	Each	50	110000000000004058
	(Refills to be supplied by ship. Cost of renewals extra).			
13(i)	Hydro Stretch test of S.C.B.A. /EEBD Cylinders of capacity upto maximum of 10 Ltrs. - IRS Survey Extra	Each	100	110000000000004059
ii)	Hydro Stretch test of S.C.B.A. /EEBD Cylinders of capacity upto maximum of 60 Ltrs.- IRS Survey Extra	Each	24	110000000000004060
14	Quality analysis of breathing air consists of -Analysis of breathing air for PPM of CO, CO2, water and oil content as per international standard. To quote for full analysis as described	per time	10	110000000000004061
15(i)	Testing of CO2 pipe line for high pressure (Above 80 kg/cm2)	LS- per ship per time	10	110000000000004062
ii)	Testing of CO2 pipe line for medium pressure (Upto 80 kg/cm2)	LS- per ship per time	10	110000000000004063
iii)	Testing of CO2 pipe line for low pressure	LS- per ship per time	10	110000000000004064
16	Making of Stages			
a)	Suspended Staging			
	Rope / Steel / Bamboo staging suspended from top.	Per Mtr.	10	110000000000004065
b)	Built up staging			
i.	Upto 3 Meters from bottom	Per Mtr.	10	110000000000004066
ii	Upto 7 Meters from bottom	Per Mtr.	10	110000000000004067
iii.	Upto 10 Meters from bottom	Per Mtr.	10	110000000000004068
iv.	Upto 15 Meters from bottom	Per Mtr.	10	110000000000004069
B	Quote for OSV Ships			
17(i)	For Weighment of Halon cylinders , Pilot cylinders , check all lines are clear by blowing through with air ,alarm check for certification , for IRS Survey	per ship	1	110000000000004070
ii	Halon cylinders and Pilot cylinders to weigh and check gas weight before commencement of work with MMD certificate	per CYL per time	14	110000000000004071
iii(a)	Dismantle Halon cylinders and bring it to deck and loading to transport, if required for taking it to workshop and transport back to ship and fit back in Engine room.(Each Halon cylinder approx 180 Kg wt) with care to avoid damage to cylinder head pressure Gauge & pressure switch. [Transport : Actuals + 10%]	Per cyl.(each way)	14	110000000000004072
iii(b)	Handling Halon Cylinders within Halon room and fit back.	Each cyl. Each way	14	110000000000004073
iv	Halon cylinders to be connected to recovery plant + hydro test + filling back halon gas.			

v	Minimum Vapour losses will be 25% of cylinder volume			
vi	Recovery cost per cylinder	Per cyl.	10	110000000000004074
vii	Hydro test of cylinder per unit	Per Unit	10	110000000000004781
viii	Valve overhaul per unit	Per Unit	10	110000000000004782
ix	repair/renewal of parts of above unit	per unit	10	110000000000004783
17.1	Following extra if required			
i	Renewal of Low pressure switch on valve	Each	10	110000000000004784
ii	Renewal of pressure gauge on valve	Each	10	110000000000004785
iii	Renewal of seals & piston valve with nylon molded seating.	Each	10	110000000000004786
iv	Damaged items must be returned to vessel			
18	Fit back valve, pressurize cylinder with N2 1.5 times working pressure check valve seat & function of operating & release N2 (per cylinder)	Per cyl.	10	110000000000004787
19	Cost of Halon 1301 replenished -Proof/ Cash memo to be attached	Per kg	10	110000000000004788
20	Pilot cylinder valve fit back, test & fill with CO2 (upto 3 kg capacity)	Per cyl.	10	110000000000004789
21	If halon 1301 Pilot cylinder per Kg.	Per kg	10	110000000000004790
22	Pilot cylinder to Halon cylinder activating device pipe line pr. Test to 80 kg / cm2 with MMD certificate which includes	Lumpsum per time	10	110000000000004791
23	Remove non-return valves sets from each cylinder connection, put blanks as required. Hydraulic pr. Test, initially& in-between as required and final test in presence of IRS Surveyor.	Lumpsum per time	10	110000000000004792
24	Renewal of Sch-80 galvanized pipe,/equivalent Cu-pipe clamping etc with ermeto connections on either side of pipe length per meter	Per Mtr	6	110000000000004793
25(i)	Engineer fee for Survey work maximum 2 days	Per day	10	110000000000004794
(ii)	Technician for Survey work on per day basis	Per day	10	110000000000004795
26	Any other work if carried out or material used will be charged extra.	Actuals		
28	Allowance for working on O.T.(To be certified by Ship's Officer)			
a	Week days upto 2000 hours	Per Hr	10	110000000000004796
b	Through out night/ on holiday	Per Hr	10	110000000000004797
29	IRS /MMD charges to witness cylinder survey & endorse and Surveys transport.	per visit	10	110000000000004798
30	Outstation Charges for Service Engineers			
I.	Travel Charges (AIR / TRAIN / BUS)			At Actuals+10%

ii.	Lodging & Boarding - All ports except Kolkata, Chennai & Kochi	Per day	10	110000000000004799
iii	Lodging & Boarding - For ports of Kolkata, Chennai & Kochi	Per day	10	110000000000004800
iv	Travel time charges- Victualling, Boarding only	Per day	10	110000000000004801
31	Labour charges (For special work not included in items above.)			
i	Engineer charges .	Per day	50	110000000000004802
ii	Technician	Per day	25	110000000000004803
iii	skilled Labour	Per day	10	110000000000004804
32	Annual inspection of Fixed Fire fighting system for deep fat frier	Each	10	110000000000004805
33	Overhauling of Servo piston			
	Removal of wire connection, inlet and outlet pipe connection and taking the Servo piston adrift opening out and dismantling of Servo piston, Cleaning all parts and assembly with light grease, Trying out Servo piston in presence of Surveyor and fitting the same in place. Connecting the pipes with taflon thread seal. (Cost of renewal of parts extra).	Each	50	110000000000004806
34	Renewal of leather bucket of Servo piston.	Each	10	110000000000004807
35	Inspection & pressure testing of Immersion suit			
a.	Adult	Each suit	300	110000000000004808
b.	Child	Each suit	300	110000000000004809
c.	Infant	Each suit	300	110000000000004810
36	EEBD			
a.	Annual Inspection	Each EEBD	30	110000000000004811
b.	Pressure testing	Each EEBD	30	110000000000004812
c.	Refilling	Each EEBD	30	110000000000004813
37	Foam Sample analysis(AFFF3%/Alcohol based/Protein based/AFFF6%)	Each analysis	20	110000000000004814
38	High pressure testing, refilling of medical oxygen cylinder			
a.	10 Litres	Each Cylinder	20	110000000000004815
b.	40 Litres	Each Cylinder	20	110000000000004816
39	S.C.B.A Mask Test -SCBA/EEBD/Cylinder head valve assembly - Making and supply of spl Gun metal adaptors for charging of SCBA/EEBD cylinders - making & supply of new operating control knob of SCBA/EEBD	Each Test	20	110000000000004817
40	Weighment of Pilot cylinders	Each Cylinder	20	110000000000004818
41	Portable Co2 Cylinder			
	2 KG	Each Cylinder	20	110000000000004819
	5 KG	Each Cylinder	20	110000000000004820
	6.5 KG	Each Cylinder	20	110000000000004821
	22.5 KG	Each Cylinder	20	110000000000004822
	Pressure testing	Each Cylinder	20	110000000000004823
	Refilling	Each Cylinder	20	110000000000004824
42	Main valve renewal servicing	Each valve	10	110000000000004825
43	Pressure gauge renewal	Each Gauge	20	110000000000004826
Note:	MMD fees for Survey / certifications will be paid at actuals as per bills / Vouchers + 10%.if not included in tariff rates.			
342	PLEASE NOTE ALL ALLOWANCES STATED BELOW ARE FIXED BY SCI. WHILE QUOTING THE JOB COST YOU ARE REQUESTED TO MAKE NOTE OF THIS. (Ref. Summary of SCI fixed allowances for more details)			

1.00	Normal Shift , Over Time, Holidays: All labour rates and Engineer / Technician rates, unless otherwise specifically mentioned, are for 8 hrs. normal shift / per day. Normal Shift : from 0900 hrs to 1700 hrs (Monday to Saturday). 1/2 Shift is payable for - 4 hours or less Full shift is payable for - more than 4 hours and upto 8 hours. Holidays: Sundays, National Holidays & May 1st . Overtime allowance shall be paid on basic labour cost of jobs only and at 25% on pro-rata basis [Unless otherwise specifically mentioned in the tariff] beyond normal working hours (pls note no allowance over allowance). Note: The workshop must not delay in reporting to the vessel for the sake of accumulating O.T Hours. The O.T allowances (if approved) are subject to scrutiny from the consideration of attempted delayed reporting to the vessel amongst other issues. The time, readiness given by vessel's Master/ship staff or office(user division) for carrying out the specific work entrusted with the concerned workshop shall be distinctly written and endorsed by ship staff in the time sheet and certified by the superintendent, which should be produced during submission of invoice. In applying O.T allowance the "break-up of cost" in case of jobs consisting of labour + material is to be considered as below:			
	for Woodwork– 65% labour cost + 35% material cost			
	for Upholstery– 40% labour cost + 60% material cost			
	for Steel renewal/Steel fabrication – 50% labour cost + 50% material cost			
	for Pipe line & Flanges renewal– 35% labour cost + 65% material cost			
	for Insulation renewal and other jobs in this category – 45% labour cost , 55% material cost			
	for rewinding of motors and other equipments - 40% Labour + 60% Material			
2.00	The location allowances: have been fixed as follows and payable on basic labour component of jobs only .(No allowance over allowance)			
A	Mumbai Port			
	Anchorage /Pirpau - 15%			
	JNPT / Nhava/ NSICT , Butcher Island - 20%			
	BFL - LPO 25 %			
	Mumbai High / Panna & Ratna fields – 30%			
B	Vizag Port			
	Anchorage / LPG Jetty - 15%			
	Outer Anchorage/SPM -20%			
C	Chennai Port			
	Anchorage/Ennore port -15%			
D	Jamnagar / Vadiner/Sikka anchorage – 25%			
E	Kandla stream--15%.			
F	Kochi Port - Anchorage 15%			
G	Budgebudge/ Kulpi/ Diamond harbour -15%			
H	In any other locations an anchorage allowance of 15%			
	Note: During a single call of vessel remaining partly alongside and partly on moorings, stream allowance shall be applied on proportionate basis for the respective stay.			

3.00	<p>Outstation allowance for jobs attended at ports other than base port. The outstation allowance of 25% would be applicable only on labour component of "basic cost of job"(i.e allowance over allowance is not allowed).This allowance is incentive for attending job at outstation- unless otherwise specifically mentioned in the tariff-</p> <p>Transportation cost & entitlement: For Engineer/Supervisor-2AC Train fare/Bus Fare/Economy class air fare. For Others - Non-AC Sleeper Class train fare/Bus fare</p> <p>For attending outstation jobs expenses towards transportation of men and material (to & fro),wages for manpower <u>during travel time</u> will be applicable- -one normal shift charges per day per person (if travelled by train/bus i.e by road) -on hourly (pro-rata) basis for engineers/supervisors if travelled by air -plus reasonable food charges during travel time & stay time (max Rs.500 per person per day) - lodging charges if personnel stayed at hotel (in case accommodation not available on board ship and certification in this regard by Master of vessel is required) would be payable seperatly. For <u>lodging plus boarding per day per person</u> : -for engineers and supervisors Rs.2500/- -for skilled workers and labour. Rs.1000/-</p> <p>Miscellaneous Expenses at Outstation: Towards Custom clearance, port clearance, road taxes and other misc.expenses for out port jobs will be paid lumpsum Rs.6000/-per round trip/per port call of vessel.For transporting men & material between hotel and ship at outstation (unless otherwise seperately quoted in the tariff) Rs.600 per day/per round trip is admissible.</p>
4.00	For procuring and supplying (onboard vessel)of material (non-tariff) used in the course of repairs 15% allowance will be payable on cost of materials only. (Cash
5.00	An allowance of 10% will be payable for mutually agreed sub-contracted services excluding materials (ON APPROVAL OF CONCERNED USER DIVISION OF SCI) as percentage over the actual sub-contracted price.
6.00	At Base port only-INCIDENTAL EXPENSES, ANY OTHER MISC. EXPENSES, CUSTOM CLEARANCE ETC. IS PAYABLE AT 10% OF TOTAL BASIC LABOUR COST. Minimum of Rs. 1500/-.
7.00	SCI service boats to be utilized as far as possible. Whenever, SCI Service boats are not available and workshop arranges his boats service to attend the job on instruction of Superintendent of the vessel, cost approval to be taken by the concerned supdt. Such arrangement of boat services has to be certified by Vessel's master and superintendent and will be paid at (approved) actuals.
8.00	For any 'in-between' capacity/size equipment,rates shall be pro-rated from the rate of immediately succeeding/preceding rating(capacity) , which ever is Lower. Decision of SCI in this regard would be final and binding.
9.00	Workshop must submit bill within 30 calendar days from the date of completion of work.
10.00	Payment terms
	<p>within 90 days (subject to change as per SCI's adopted guidelines/govt. guidelines) from the date of receipt of bill in SCI office with all the required documents and without any discrepancies .</p> <p>The tariff rates offered for 2 years with six months extension if required by SCI. The tariff rates will remain fixed during the entire contract period irrespective of any variation in labour cost, material cost and various taxes.</p>
END	