The Shipping Corporation of India Ltd. , Mumbai

TECHNICAL SERVICE (FLEET) DEPARTMENT

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

OVERHAULING/SERVICING OF REFRIGERATION & AC MACHINERY AND EQUIPMENT [RFx 9000049218]

PORT : CHENNAI

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.	Description	Unit	Est. Annual Qty. without any Guarantee	SAP Code (Rate should be Quoted under 'ITEM' tab in SRM portal only)
1	**SUPERVISOR / LABOUR RATES**			
1.1	Rate of Supervisor, subject to the approval by attending Superintendent.	Per normal shift	100	**110000000000004150**
1.11	Labour rates for skilled workers / technicians all inclusive (inclusive of long term benefits, overheads, profits)	Per normal shift	200	**110000000000004151**
1.12	Labour rates for un-skilled workers all inclusive (inclusive of long term benefits, overheads, profits)	Per normal shift	300	**110000000000004152**
1.13	For procuring and supplying of material used in the course of repairs for unscheduled jobs (on cost of materials only, basis cash memos in original) upto a limit of Rs. 30,000/- in each case.			
1.14	Launch Hire and special transport expenses	Actuals		
	NOTE			
	I) Overtime working, anchorage, jetty etc. working to be authorized by the concerned superintendent on repair specification and certified on work done certificate.			
	II)SCI service boats to be utilized as far as possible. Non-availability of service boats to be certified by Agent/Attending Superintendent. Additional trips to be certified by ship's staff. Whenever, SCI Service Boats are not available and other services have been utilized the charges payable will be as per actuals + 10%			
	iii). Any use of Gen. Set must be authorized by attending supdt. And supported by proper Repair Specification.			
	iv) All additional charges like O.T., anchorage allowance etc. will be only on basic labour rates i.e. on labour component of schedule & unschedule job.			
	v) 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.			
2	**AIRCONDITIONING PLANT**			
2.1	**System Gas Evacuating**			
	Connect the empty gas cylinder to the system charging line, cool down the gas empty gas cylinder by ice cube and collect the gas from system to empty gas cylinder.			
	Upto 50 H.P.	per unit	10	**110000000000004156**
	upto 100 HP	per unit	7	**110000000000004158**
	Upto 150HP	per unit	5	**110000000000004159**
	upto 200HP	per unit	5	**110000000000004160**
	upto 250HP	per unit	5	**110000000000004161**
	upto 300HP	per unit	3	**110000000000004162**
	upto 350HP	per unit	3	**110000000000004163**
2.2	**Cleaning of Condensers**			
	Opening the condenser end covers, cleaning the tubes, renew the zinc anodes etc. and box back			
	Upto 50 H.P.	per unit	10	**110000000000004166**
	upto 100 HP	per unit	7	**110000000000004168**
	Upto 150HP	per unit	5	**110000000000004169**
	upto 200HP	per unit	5	**110000000000004170**
	upto 250HP	per unit	5	**110000000000004171**
	upto 300HP	per unit	3	**110000000000004172**
	upto 350HP	per unit	3	**110000000000004173**
2.3	Oil seperator installation /Overhauling			
	Upto 50 H.P.	per unit	10	**110000000000004176**
	upto 100 HP	per unit	7	**110000000000004178**
	Upto 150HP	per unit	5	**110000000000004179**
	upto 200HP	per unit	5	**110000000000004180**
	upto 250HP	per unit	5	**110000000000004181**
	upto 300HP	per unit	3	**110000000000004182**
	upto 350HP	per unit	3	**110000000000004183**
2.4	Liquid line filter drier renewing			
	Upto 25 HP	per unit	3	**110000000000004184**
	Upto 50 H.P.	per unit	10	**110000000000004186**
	upto 100 HP	per unit	7	**110000000000004188**

	Upto 150HP	per unit	5	**110000000000004189**
	upto 200HP	per unit	5	**110000000000004190**
	upto 250HP	per unit	5	**110000000000004191**
	upto 300HP	per unit	3	**110000000000004192**
	upto 350HP	per unit	3	**110000000000004193**
2.5	**OVERHAULING OF COMPRESSOR**			
	Dismantling the compressor from base, opening up the same, renewing piston ring, suction and discharge valve reeds, lapping the valve plate, charging complete set of gasket, cleaning all the parts, boxing up the compressor, charging with fresh refrigerant oil and mounting to the base, aligning with motor, testing for efficiently.			
	Upto 50 H.P.	per unit	10	**110000000000004196**
	upto 100 HP	per unit	7	**110000000000004198**
	Upto 150HP	per unit	5	**110000000000004199**
	upto 200HP	per unit	5	**110000000000004200**
	upto 250HP	per unit	5	**110000000000004201**
	upto 300HP	per unit	3	**110000000000004202**
	upto 350HP	per unit	3	**110000000000004203**
2.6	SCREW COMPRESSOR .			
	SABROE,163 MK3 FEMALE DRIVE-R22; AND BITZER SEMI-			
	HERMATIC MODEL-HSK/CHS AND OPEN TYPE-OSK			
a)	COMPRESSOR OVER HAULING-(HP WISE)			
	Upto 50 H.P.	per unit	10	**110000000000004206**
	upto 100 HP	per unit	7	**110000000000004208**
	Upto 150HP	per unit	5	**110000000000004209**
	upto 200HP	per unit	5	**110000000000004210**
	upto 250HP	per unit	5	**110000000000004211**
	upto 300HP	per unit	3	**110000000000004212**
	upto 350HP	per unit	3	**110000000000004213**
b)	OIL PUMPING IN TO OIL SEPARATOR AND OIL-			
	COOLER & COMPRESSOR.-(HP WISE)			
	Upto 50 H.P.	per unit	10	**110000000000004216**
	upto 100 HP	per unit	7	**110000000000004218**
	Upto 150HP	per unit	5	**110000000000004219**
	upto 200HP	per unit	5	**110000000000004220**
	upto 250HP	per unit	5	**110000000000004221**
	upto 300HP	per unit	3	**110000000000004222**
	upto 350HP	per unit	3	**110000000000004223**
c)	SCREW AIRCON PLANT PLC REPAIRING,PROGRAMING &			
	MAINTANACE -(HP WISE)			
	Upto 50 H.P.	per unit	10	**110000000000004226**
	upto 100 HP	per unit	7	**110000000000004228**
	Upto 150HP	per unit	5	**110000000000004229**
	upto 200HP	per unit	5	**110000000000004230**
	upto 250HP	per unit	5	**110000000000004231**
	upto 300HP	per unit	3	**110000000000004232**
	upto 350HP	per unit	3	**110000000000004233**
2.7	**Compressor & Motor Alignment**			
	Align the compressor pulley and motor pulley with help of dial gauge / scale, Adjusting the motor foundation channel, put the V belts, check the belt tension and check the proper alignment.			
	Upto 50 H.P.	per unit	10	**110000000000004236**
	upto 100 HP	per unit	7	**110000000000004238**
	Upto 150HP	per unit	5	**110000000000004239**
	upto 200HP	per unit	5	**110000000000004240**
	upto 250HP	per unit	5	**110000000000004241**
	upto 300HP	per unit	3	**110000000000004242**
	upto 350HP	per unit	3	**110000000000004243**
2.8	**Evaporator Coil Chemical cleaning and Flushing**			
	Connect the nitrogen gas cylinder to the coil charging point, flush coil with nitrogen gas, pressure, check the evaporator coil clearance and proper gas flow.			
	Upto 50 H.P.	per unit	10	**110000000000004246**
	upto 100 HP	per unit	7	**110000000000004248**
	Upto 150HP	per unit	5	**110000000000004249**
	upto 200HP	per unit	5	**110000000000004250**
	upto 250HP	per unit	5	**110000000000004251**
	upto 300HP	per unit	3	**110000000000004252**
	upto 350HP	per unit	3	**110000000000004253**
2.9	**System Pressure Testing with Nitrogen Gas**			
	Pressuring the entire system with nitrogen gas, flushing the same, testing for leaks and rectifying and maintaining the pressure for 12 to 24 hours.			
	Upto 50 H.P.	per unit	10	**110000000000004256**

	upto 100 HP	per unit	7	**110000000000004258**
	Upto 150HP	per unit	5	**110000000000004259**
	upto 200HP	per unit	5	**110000000000004260**
	upto 250HP	per unit	5	**110000000000004261**
	upto 300HP	per unit	3	**110000000000004262**
	upto 350HP	per unit	3	**110000000000004263**
2.10	**System Vacuum Testing**			
	Release the nitrogen gas pressure from the system, connect the vacuum pump to the charging point, vacuumizing the entire system, maintain the vacuum for 12 to 24 hours.			
	Upto 50 H.P.	per unit	10	**110000000000004266**
	upto 100 HP	per unit	7	**110000000000004268**
	Upto 150HP	per unit	5	**110000000000004269**
	upto 200HP	per unit	5	**110000000000004270**
	upto 250HP	per unit	5	**110000000000004271**
	upto 300HP	per unit	3	**110000000000004272**
	upto 350HP	per unit	3	**110000000000004273**
2.11	**SYSTEM GAS CHARGING & COMMISSIONING**			
	Charging the fresh Freon gas from the ship-stock upto the required level, start the plant, observing the same for cooling and maintaining the required temperature in the system and check the safety switches for operation.			
	Upto 50 H.P.	per unit	10	**110000000000004276**
	upto 100 HP	per unit	7	**110000000000004278**
	Upto 150HP	per unit	5	**110000000000004279**
	upto 200HP	per unit	5	**110000000000004280**
	upto 250HP	per unit	5	**110000000000004281**
	upto 300HP	per unit	3	**110000000000004282**
	upto 350HP	per unit	3	**110000000000004283**
3	**Domestic Fridge Plant**			
	System Gas Evacuating			
	Connect the empty gas cylinder to the system charging line, cool down the gas empty gas cylinder by ice cube and collect the gas from system to empty gas cylinder.			
	upto 25 H.P.	per unit	10	**110000000000004286**
	upto 75HP	per unit	7	**110000000000004288**
	upto 100HP	per unit	5	**110000000000004289**
	upto 125HP	per unit	5	**110000000000004290**
	upto 150HP	per unit	5	**110000000000004291**
	upto 200HP	per unit	3	**110000000000004292**
	upto 300HP	per unit	3	**110000000000004293**
	upto 350 BHP	per unit	3	**110000000000004294**
3.1	**Cleaning of Condensers**			
	Dismantling both covers, cleaning the condenser with cane, testing for leaks, boxing up the same with new gasket.			
	upto 25 H.P.	per unit	10	**110000000000004297**
	upto 75HP	per unit	7	**110000000000004299**
	upto 100HP	per unit	5	**110000000000004300**
	upto 125HP	per unit	5	**110000000000004301**
	upto 150HP	per unit	5	**110000000000004302**
	upto 200HP	per unit	3	**110000000000004303**
	upto 300HP	per unit	3	**110000000000004304**
	upto 350HP	per unit	3	**110000000000004305**
3.2	**Overhauling of Compressor**			
	Dismantling the compressor from base, opening up the same, renewing piston rings, suction and discharge valve reeds, taping the valve plate, changing complete set of gasket, cleaning all the parts, blowing up the compressor, charring with fresh refrigerant oil and mounting to the base, aligning with motor, testing for efficiency.			
	upto 25 H.P.	per unit	10	**110000000000004308**
	upto 75HP	per unit	7	**110000000000004310**
	upto 100HP	per unit	5	**110000000000004311**
	upto 125HP	per unit	5	**110000000000004312**
	upto 150HP	per unit	5	**110000000000004313**
	upto 200HP	per unit	3	**110000000000004314**
	upto 300HP	per unit	3	**110000000000004315**
	upto 350HP	per unit	3	**110000000000004316**
3.3	**Compressor & Motor alignment**			
	Align the compressor pulley and motor pulley with help of dial gauge / scale, adjusting the motor foundation channel, put the V bells, check the belt tension and deck the proper alignment.			
	upto 25 H.P.	per unit	10	**110000000000004319**
	upto 75HP	per unit	7	**110000000000004321**
	upto 100HP	per unit	5	**110000000000004322**
	upto 125HP	per unit	5	**110000000000004323**

	upto 150HP	per unit	5	**110000000000004324**
	upto 200HP	per unit	3	**110000000000004325**
	upto 300HP	per unit	3	**110000000000004326**
	upto 350 H.P.	per unit	3	**110000000000004327**
3.4	**Evaporator Coil Chemical cleaning and Flushing**			
	Connect the nitrogen gas cylinder to the coil charging point, flush coil with nitrogen gas pressure, check the evaporator coil clearance and proper gas flow.			
	upto 25 H.P.	per unit	10	**110000000000004330**
	upto 75HP	per unit	7	**110000000000004332**
	upto 100HP	per unit	5	**110000000000004333**
	upto 125HP	per unit	5	**110000000000004334**
	upto 150HP	per unit	5	**110000000000004335**
	upto 200HP	per unit	3	**110000000000004336**
	upto 300HP	per unit	3	**110000000000004337**
	upto 350 H.P.	per unit	3	**110000000000004338**
3.5	Oil seperator installation /Overhauling			
	upto 25 H.P.	per unit	10	**110000000000004341**
	upto 75HP	per unit	7	**110000000000004343**
	upto 100HP	per unit	5	**110000000000004344**
	upto 125HP	per unit	5	**110000000000004345**
	upto 150HP	per unit	5	**110000000000004346**
	upto 200HP	per unit	3	**110000000000004347**
	upto 300HP	per unit	3	**110000000000004348**
	upto 350 H.P.	per unit	3	**110000000000004349**
3.6	Liquid line filter drier renewing			
	upto 25 H.P.	per unit	10	**110000000000004352**
	upto 75HP	per unit	7	**110000000000004354**
	upto 100HP	per unit	5	**110000000000004355**
	upto 125HP	per unit	5	**110000000000004356**
	upto 150HP	per unit	5	**110000000000004357**
	upto 200HP	per unit	3	**110000000000004358**
	upto 300HP	per unit	3	**110000000000004359**
	upto 350 H.P.	per unit	3	**110000000000004360**
3.7	**System Pressure Testing with Nitrogen Gas**			
	Pressurizing the entire system with nitrogen gas, flushing the same, testing for leaks and rectifying and maintaining the pressure for 12 to 24 hrs.			
	upto 25 H.P.	per unit	10	**110000000000004363**
	upto 75HP	per unit	7	**110000000000004365**
	upto 100HP	per unit	5	**110000000000004366**
	upto 125HP	per unit	5	**110000000000004367**
	upto 150HP	per unit	5	**110000000000004368**
	upto 200HP	per unit	3	**110000000000004369**
	upto 300HP	per unit	3	**110000000000004370**
	upto 350 H.P.	per unit	3	**110000000000004371**
3.8	**System Vacuum Testing**			
	Release the nitrogen gas pressure from the system, connect the vacuum pump to be charging point, vacuumizing the entire system, maintain the vacuum for 12 to 24 hours.			
	upto 25 H.P.	per unit	10	**110000000000004374**
	upto 75HP	per unit	7	**110000000000004376**
	upto 100HP	per unit	5	**110000000000004377**
	upto 125HP	per unit	5	**110000000000004378**
	upto 150HP	per unit	5	**110000000000004379**
	upto 200HP	per unit	3	**110000000000004380**
	upto 300HP	per unit	3	**110000000000004381**
	upto 350 H.P.	per unit	3	**110000000000004382**
3.9	**System Gas Charging & Commissioning**			
	Charging the fresh Freon gas from the ship-stock upto the required level, start the plant, observing the same for cooling and maintaining the required temperature in the system and check the safety switches for operation.			
	upto 25 H.P.	per unit	10	**110000000000004385**
	upto 75HP	per unit	7	**110000000000004387**
	upto 100HP	per unit	5	**110000000000004388**
	upto 125HP	per unit	5	**110000000000004389**
	upto 150HP	per unit	5	**110000000000004390**
	upto 200HP	per unit	3	**110000000000004391**
	upto 300HP	per unit	3	**110000000000004392**
	upto 350 H.P.	per unit	3	**110000000000004393**
4	**Engine Control Room Air-conditioning Units**			
	Open type Compressor			
4.1	condenser Cleaning			
	Dismantling both covers, cleaning the condenser with cane, testing for leaks,, boxing up the same with new gasket.			
	upto 25 H.P.	per unit	10	**110000000000004396**

	upto 75HP	per unit	7	**110000000000004398**
	upto 100HP	per unit	5	**110000000000004399**
	upto 125HP	per unit	5	**110000000000004400**
	upto 150HP	per unit	5	**110000000000004401**
	upto 200HP	per unit	3	**110000000000004402**
	upto 300HP	per unit	3	**110000000000004403**
	upto 350 H.P.	per unit	3	**110000000000004404**
4.2	Overhauling of compressor			
	Dismantling the compressor from base, opening up the same renewing piston ring, suction and discharge valve reeds, lapping the valve plate charging complete set of gasket, cleaning all the parts boxing up the compressor, charring with fresh refrigerant oil and mounting to the base, aligning with motor, testing for efficiency.			
	upto 15 H.P.	per unit	10	**110000000000004407**
	upto 30 H.P.	per unit	7	**110000000000004409**
	upto 75HP	per unit	5	**110000000000004410**
	upto 100HP	per unit	5	**110000000000004411**
	upto 125HP	per unit	5	**110000000000004412**
	upto 150HP	per unit	3	**110000000000004413**
	upto 200HP	per unit	3	**110000000000004414**
	upto 300HP	per unit	3	**110000000000004415**
	upto 350 H.P.	per unit	3	**110000000000004416**
4.3	Compressor & Motor Alignment			
	Align the compressor pulley and motor Pulley with help of dial gauge / scale adjusting the motor foundation channel, put the V belts, check the belt tension and deck the proper alignment.			
	upto 15 H.P.	per unit	10	**110000000000004419**
	upto 30 H.P.	per unit	7	**110000000000004421**
	upto 75HP	per unit	5	**110000000000004422**
	upto 100HP	per unit	5	**110000000000004423**
	upto 125HP	per unit	5	**110000000000004424**
	upto 150HP	per unit	3	**110000000000004425**
	upto 200HP	per unit	3	**110000000000004426**
	upto 300HP	per unit	3	**110000000000004427**
	upto 350 H.P.	per unit	3	**110000000000004428**
4.4	Evaporator Coil Chemical cleaning and Flushing			
	Connect the nitrogen gas cylinder to the coil charging point, flush coil with nitrogen gas pressure, check the evaporator coil clearance and proper gas flow.			
	upto 15 H.P.	per unit	10	**110000000000004431**
	upto 30 H.P.	per unit	7	**110000000000004433**
	upto 75HP	per unit	5	**110000000000004434**
	upto 100HP	per unit	5	**110000000000004435**
	upto 125HP	per unit	5	**110000000000004436**
	upto 150HP	per unit	3	**110000000000004437**
	upto 200HP	per unit	3	**110000000000004438**
	upto 300HP	per unit	3	**110000000000004439**
	upto 350 H.P.	per unit	3	**110000000000004440**
4.5	Oil seperator installation /Overhauling			
	upto 25 H.P.	per unit	10	**110000000000004443**
	upto 75HP	per unit	7	**110000000000004445**
	upto 100HP	per unit	5	**110000000000004446**
	upto 125HP	per unit	5	**110000000000004447**
	upto 150HP	per unit	5	**110000000000004448**
	upto 200HP	per unit	3	**110000000000004449**
	upto 300HP	per unit	3	**110000000000004450**
	upto 350 H.P.	per unit	3	**110000000000004451**
4.6	Suctionline / liquidline filter Dirier changing			
	upto 25 H.P.	per unit	10	**110000000000004454**
	upto 75HP	per unit	7	**110000000000004456**
	upto 100HP	per unit	5	**110000000000004457**
	upto 125HP	per unit	5	**110000000000004458**
	upto 150HP	per unit	5	**110000000000004459**
	upto 200HP	per unit	3	**110000000000004460**
	upto 300HP	per unit	3	**110000000000004461**
	upto 350 H.P.	per unit	3	**110000000000004462**
4.7	System Pressure Testing with Nitrogen Gas			
	Pressurizing the entire system with nitrogen gas, flushing the same, testing for leaks and rectifying and maintain the pressure for 12 to 24 hours.			
	upto15 H.P.	per unit	10	**110000000000004465**
	upto 30 H.P.	per unit	7	**110000000000004467**
	upto 75HP	per unit	5	**110000000000004468**
	upto 100HP	per unit	5	**110000000000004469**
	upto 125HP	per unit	5	**110000000000004470**

	upto 150HP	per unit	3	**110000000000004471**
	upto 200HP	per unit	3	**110000000000004472**
	upto 300HP	per unit	3	**110000000000004473**
	upto 350 H.P.	per unit	3	**110000000000004474**
4.8	System Vacuum System			
	Release the nitrogen gas pressure from the system, connect the vacuum pump to the charring point, vacuumizing the entire system, maintain the vacuum for 12 to 24 hours.			
	upto 15 H.P.	per unit	10	**110000000000004477**
	upto 30 H.P.	per unit	7	**110000000000004479**
	upto 75HP	per unit	5	**110000000000004480**
	upto 100HP	per unit	5	**110000000000004481**
	upto 125HP	per unit	5	**110000000000004482**
	upto 150HP	per unit	3	**110000000000004483**
	upto 200HP	per unit	3	**110000000000004484**
	upto 300HP	per unit	3	**110000000000004485**
	upto 350hp	per unit	3	**110000000000004486**
4.9	System Commissioning			
	Charging the fresh Freon gas from the ship-stock upto the required level, start the plant, observing the same for cooling and maintaining the required temperature in the system and check the safety switches for operation.			
	upto 15 H.P.	per unit	10	**110000000000004489**
	upto 30 H.P.	per unit	7	**110000000000004491**
	upto 75HP	per unit	5	**110000000000004492**
	upto 100HP	per unit	5	**110000000000004493**
	upto 125HP	per unit	5	**110000000000004494**
	upto 150HP	per unit	3	**110000000000004495**
	upto 200HP	per unit	3	**110000000000004496**
	upto 300HP	per unit	3	**110000000000004497**
	upto 350 BHP	per unit	3	**110000000000004498**
5	**Refrigeration**			
5.1	Pressure Testing, Gas, Charging and Commission			
	Upto 1/6 H.P.	per unit	5	**110000000000004499**
	Upto 1/2 H.P.	per unit	5	**110000000000004500**
	Upto 2.0 H.P.	per unit	5	**110000000000004501**
	water coolers			
5.2	Pressure Testing, Gas Charging and Commission			
	Upto 1/3 H.P.	per unit	5	**110000000000004502**
	Upto 1/2 H.P.	per unit	5	**110000000000004503**
	Upto 2.0 H.P.	per unit	5	**110000000000004504**
6	**Split Type or Window type AC**			
6.1	General maintenance and Checking			
	1 T	per unit	10	**110000000000004505**
	1.5 T	per unit	25	**110000000000004506**
	2.0 T	per unit	10	**110000000000004507**
	2.5 T	per unit	6	**110000000000004508**
	3.0 T	per unit	6	**110000000000004509**
	4.0 T	per unit	6	**110000000000004510**
6.2	Replacement of Compressor			
	1 T	per unit	10	**110000000000004511**
	1.5 T	per unit	25	**110000000000004512**
	2.0 T	per unit	10	**110000000000004513**
	2.5 T	per unit	6	**110000000000004514**
	3.0 T	per unit	6	**110000000000004515**
	4.0 T	per unit	6	**110000000000004516**
6.3	Replacing of condensing/fan Unit			
	1 T	per unit	10	**110000000000004517**
	1.5 T	per unit	25	**110000000000004518**
	2.0 T	per unit	10	**110000000000004519**
	2.5 T	per unit	6	**110000000000004520**
	3.0 T	per unit	6	**110000000000004521**
	4.0 T	per unit	6	**110000000000004522**
7	ENGINE ROOM AIR-DRYER UNIT.			
	GENARAL MAINTANACE AND CHECKING.			
	0.5 HP	PER UNIT	10	**110000000000004523**
	1HP	PER UNIT	10	**110000000000004524**
	2HP	PER UNIT	10	**110000000000004525**
	3HP	PER UNIT	10	**110000000000004526**
	4HP	PER UNIT	10	**110000000000004527**
7.1	REPLACE MENT OF COMPRESSOR			
	0.5 HP	PER UNIT	10	**110000000000004528**
	1HP	PER UNIT	10	**110000000000004529**
	2HP	PER UNIT	10	**110000000000004530**
	3HP	PER UNIT	10	**110000000000004531**
	4HP	PER UNIT	10	**110000000000004532**
7.2	SYSTEM PRESSURE & VACUUM TEST			

	0.5 HP	PER UNIT	10	**110000000000004533**
	1HP	PER UNIT	10	**110000000000004534**
	2HP	PER UNIT	10	**110000000000004535**
	3HP	PER UNIT	10	**110000000000004536**
	4HP	PER UNIT	10	**110000000000004537**
7.3	SYSTEM COMMISSIONING			
	0.5 HP	PER UNIT	10	**110000000000004538**
	1HP	PER UNIT	10	**110000000000004539**
	2HP	PER UNIT	10	**110000000000004540**
	3HP	PER UNIT	10	**110000000000004541**
	4HP	PER UNIT	10	**110000000000004542**
8	THE MAIN AC COMPRESSOR FITTED ON BOARD PASSENGER VESSELS :FOUR IDENTICAL APV BAKER LTD HALL SCREW AQUACHILL UNIT IS COMPRISE, THE HALL SCREW COMPRESSOR, OIL SEPERATOR/RESERVOUIR OIL HANDLING SYSTEM,CONDENSER, EVAPORATOR UNIT CONTROLLER AND ACCESSORIES.	per unit of compressor overhauling	5	**110000000000004543**
	TYPE : H.S.2028 VOLUME RATIO 2.2 SERIAL NO. 95154-512-012,013,014,015.			
	MAKE SABROI,163 MK3, FEMALE DRIVE, , R22 ,			
	UNISAB II MANUAL REGULATION OF THE Vi SLIDE. REFRIGERANT COOLED OIL COOLER 0051.			

153	**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 payble 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 [unless otherwise specifically mentioned in the rate schedule] on basic labour cost of jobs only and at 25% on pro-rata basis 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	**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.-if not otherwise mentioned in the tariff **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 For attending outstation jobs expenses towards transportation of men and material (to & fro),wages for manpower during travel time 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 lodging plus boarding per day per person : -for engineers and supervisors Rs.2500/- -for skilled workers and labour. Rs.1000/- **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 mentioned in the tariff) Rs.600 per day/per round trip is admissible.
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 memos/ invoices in line with GST provisions are to be submitted for items/total costing more than Rs. 2500)
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**
	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 . 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.
	END