

RATES FOR ELECTRICAL REPAIRS - ALTERNATOR

	ALTERNATOR REPAIRS	Act (1)	Act (2)	Act (3)
	Alternator capacity (In KVA)	TARGET RATES		
1	5	2800.00	3500.00	6104.00
2	10	3150.00	5250.00	11606.00
3	20	4480.00	7700.00	18088.00
4	50	8400.00	13650.00	49000.00
5	150	12600.00	27300.00	93800.00
6	200	14000.00	35000.00	121800.00
7	250	16100.00	42000.00	152250.00
8	300	18480.00	48300.00	176610.00
9	400	23520.00	61600.00	195300.00
10	500	28000.00	73500.00	231000.00
11	600	32760.00	86520.00	260400.00
12	700	37240.00	100520.00	298900.00
13	800	41440.00	113120.00	343000.00
14	900	45360.00	126000.00	408800.00
15	1000	49000.00	138600.00	448000.00
16	1100	52360.00	150920.00	483000.00
17	1200	55440.00	162960.00	525000.00
18	1300	58240.00	174720.00	564200.00
19	1400	60760.00	186200.00	596400.00
20	1500	63000.00	197400.00	610400.00
21	1600	67200.00	208320.00	638400.00
22	1700	71400.00	218960.00	688800.00
23	1800	75600.00	229320.00	697200.00
	Act (1) Jobs done on board	1) Remove inspection covers and clean by Dry Air method.		
		2) Varnish, Heat, Check connections/Lugs.		
		3) Check Brushes (If applicable)		
		4) Blow through with compressed air and check Air Gap.		
		5) Take Megger Readings before and after cleaning and Refit.		
	Act (2) Job done in Workshop.	Remove rotor and clean rotor and stator as above.		
	Act (3) Job done in Workshop.	Rewind stator using Class 'F' materials, varnish, bake, box up.		

Note :- 1) Transportation of all tools, testers and other equipments and to and fro transportation of alternator to the Workshop is included in the cost.

2) Cleaning should be done by dry air method, checking tightness of connections and taking insulation reports.

SWITCH BOARD CLEANING:

Vessels	Rates (Per Sq. Mtr. Area)
OSV's	450
Tugs	450

Note :- 1) All rates are inclusive of Labour Rates.

2) Cleaning Materials will be paid extra at actuals.

3) In case, class supervision is required for heavy machinery would be reimbursed by the Owners at actuals.

RATES FOR ELECTRICAL REPAIRS - MOTOR

	MOTOR REPAIRS	Act (A)	Act (B)	Act (C)
	Motor capacity (In KW)	TARGET RATES		
1	Upto 1 KW	882.00	1047.20	2415.00
2	Upto 2 KW	1008.00	1314.60	3500.00
3	Upto 3.75 KW	1386.00	1841.00	5040.00
4	Upto 5 KW	2016.00	2380.00	6300.00
5	Upto 10 KW	2436.00	3780.00	8820.00
6	Upto 15 KW	2940.00	5040.00	15120.00
7	Upto 20 KW	3360.00	6127.80	19180.00
8	Upto 25 KW	3780.00	6787.20	23170.00
9	Upto 30 KW	4620.00	8121.40	26390.00
10	Upto 40 KW	5635.00	9324.00	33670.00
11	Upto 50 KW	6300.00	11200.00	38325.00
12	Upto 60 KW	6755.00	11900.00	45850.00
13	Upto 70 KW	7350.00	12600.00	51914.80
14	Upto 80 KW	7910.00	13230.00	57540.00
15	Upto 100 KW	8400.00	15120.00	63000.00
16	Upto 125 KW	8855.00	18900.00	78120.00
17	Upto 150 KW	9240.00	22680.00	85050.00

Act (A) Remove motor from Engine room and carry out rewinding/repair/overhaul, reconnect, refit in position, and test in the Engine room. All jobs done on board.

Act (B) Dismantle Motor, overhaul, revarnish, bake, reassemble, refit in position and carry out subsequent test. All jobs done onboard.

Act (C) Dismantle Motor, clean all parts, rewind stator using new conductors with class 'F' insulation, varnish, bake, reassemble and test in workshop.

Note:- Transportation of all tools, testers and other equipments & to and fro transportation of motor to the Workshop is included in the cost.

Extra charges will apply for other repairs / renewals such as :-

- 1) Renewal of bearings.
- 2) Re-sleeving of end-covers in way of bearing housing.
- 3) Re-building rotor shafts.
- 4) Renew cooling fans & fan covers.
- 5) Renew terminals / terminal blocks.
- 6) Any other additional repairs.