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Ariyalur
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India - 621704
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SARAVANA KUMAR.E

Objective

To pursue a career on shore in the field of Electrical holding a responsible position which would enhance my skills and carve a winning edge for the organization.

Work Experience:

Experienced in both shore and Onboard (container vessel) - around 27 months

1. At Present Serving for APL as Junior Electrical Engineer
Total Experience with APL - 9 Months
ID.No. 211190 (APL/NSSPL- A Unit of NOL)
2. Total no.of years of Experience (vessel) – 9 months 17 days (on board)
Designation – Trainee Electrical Officer
Department – Electrical & Electronics
ID No. 11531 (Mediterranean Shippin Company)
3. Total no. of years of Experience on shore – 8 months
Designation - Diploma cum Deputy Engineer Trainee
Department – Electrical & Electronics
Served for MADRAS CEMENTS LIMITED
ID No. M04854
www.madrascements.com

Factory Address

Govindapuram village
Ariyalur (D.T)
Tamilandu
India
PIN – 621704

Corporate Address

Auras Corporate Centre
Mylapore
Chennai
Tamilnadu
India
PIN – 600004

Name Of Ship	Flag	G.R.T.	B.H.P.	Duration
MSC Ronit (Msc ship mgmt.Cyprus ltd)	Panama	16000	16565 Make : MAN B&W	09 Months 17 Days (06 Oct 2012 to 23 July 2013)
APL Tourmaline APL	Singapore	52086	55100	3 Months (19 Oct 2013 to 18 Jan 2014)
APL Iris APL	Singapore	63900	66120	6 Months (10 Apr 2014 to 02 Oct 2014)

Educational Qualifications:

Course	Institution	Duration	Grade/percentage
MEE0	AMET University	Feb 2011-July 2011	Value added course
B.TECH (EEE)	SRM University	2005-2009	6.622
XII STD	MontFort Hr.Sec. School,Ariyalur	2003-2004	71.2%
X STD	MontFort Hr.Sec. School,Ariyalur	2001-2002	77%

Institutional Training courses:

- 1. MEEO – Marine Electrical and Electronics Officer's course** –Year 2011, AMET, Chennai.
- 2. Maersk Reefer Technical Course** –year 2011, Maersk Training Centre, Chennai.
- 3. High Voltage Safety Course** –12 to 13 Dec 2014, APL.
- 4. MAN B&W Electronic Engine Course** –09 to 11 Dec 2014, APL.
- 5. Maritime Resource Management Course** –15 to 17 Dec 2014, APL.
- 6. Behaviour Based Safety Course** - 17 Dec 2014, APL.

Shore Work Experience:

As an Deputy Electrical Engineer Trainee for Madras Cements Limited from May 2010 to Jan 2011.

Website: [www. madrascements.com](http://www.madrascements.com)

Responsibilities:

**High Voltage experience – 110kV 6.6kV & 3.3kV
VFD Panel Experience
High Voltage motor max.voltage – 6.6kV kW-5400
Rpm of motors measured using stroboscope.**

Maintenance of 60MW substation and in second line project of the MCL cement plant.

Experienced in LV,HT motors and Transformer maintenance.

Experienced in the field of Erection and commissioning of LV,HT Motors and Transformers.

Knowledgeable in HT Breakers, PCC and MCC panel erection, commissioning and Circuit Debugging.

Periodical Motor Maintenances

- Load current are checked for all motors – RYB Balanced condition.
- Oil leakage level
- Vibration level
- Temperature Level
- Bearing Condition Analysis are done by Temperature test and Vibration.
- In case of motor efficiency short, efficiency are checked by circle diagram method (very rare).
- Slip ring conditions are checked during shut down of the respective and Replacing old carbon brushes are done accordingly to the sizes.
- Slip ring condition are checked to avoid the flash over in wound rotor (Insulation is noted by meggar value).
- Grid rotor resistance (GRR) temperatures were checked and resistance values were measured during shutdown (**only 6.6kV i.e HT motor**)
- Liquid rotor resistance temperature and liquid level is noted (**only 6.6kV i.e HT motor**)
- For All the motors the Power Factor is Maintained b/w 0.8 to 0.9
Expect for the motors which runs in SPRS System (Slip Power Recovery System)
- Lube oil analysis were carried out for every 100 running hours.
- All motors and pumps were thoroughly checked for increased power consumption, abnormal noise and over heat (by physical touch) or by using temperature gun.

Transformer Maintenance:

- Break down voltage test for transformer oil (six months once)
- Load levels are monitored.
- Earth Pit Values are measured for every six months.
- Silica gels are changed or treated (accordingly with conditions).

Panel Maintenance:

- During shutdown tightness between bus-bars, cable and terminals (lugs) were checked.
- Removal of rust in contactors and in arc chutes by CRC.

Commissioning:

- Appropriate Motor value for the desire and respective Fuses, OLR value, Cable, lug size, Meggar, resistance value and Main contactor ratings are checked.
- Relay testing and sets the value for HT such as under/over voltage/current, Short circuit current, thermal over load test, negative Sequence, Reverse power for alternator etc, with Respective alarm, tripping time and settings.
- High Potential (hi-pot) test for HT cable.
- No load test for motors to measure the no load current.
- Knee point test for Current transformer.
- Motor No Load current were noted which should be 30% of its FLC.

Onboard Vessel Experience

Cargo Crane – Make krupp Fodertechnik, German, Main MTR-160kW

PLC operated Electro Hydraulic Crane

Total of cargo cranes handled – 3

Boiler – composite Boiler/ Low Pressure

Reefer – Carrier, Daikin, Star Cool, Thermoking & Mitshubishi

Motor overhauling, All Safety Trips & alarms of Alternators, Boilers, Incinerator, Steering gear motor, OWS, OMD, Air Compressor, earth fault, black out test are carried out periodically.

All calibrations of Temperature Sensors, Pressures gauges & Transmitters are carried out periodically

Refrigerant Leak Test & Starter maintenance routine are carried out periodically.

Routine test carried out for all deck equipments.

Project Experience:

Computerized testing of static over voltage relay using epoch test equipment

Guide: Mr. Vidhyasagar, Asst prof –SRM university

Jan 2009 – May 2009

- The operation of relays can be controlled to a very sharp and accurate level.
- Brings down operation & labour cost involved for the testing of relays.
- As Static relays are mostly of electronic components this decreases the chances of human error.

Achievements

- Increases the accuracy level of Static relays.
- Can be calibrated to any desired level of tolerance.

Automatic Fire/Smoke detector

Guide: Mr. Kalyanasundaram , Lecturer, SRM ,

June 2008 – Nov 2008

- Cost effective design to implement in any home.
- smoke remover which drives the smoke away from the site.

Achievements

- An Alarm system which can be implemented anywhere to improve safety.
- successfully calibrated the exhaust system which removed the smoke.

Passport Details:

Document Type	Number	Date of Issue	Date of Expiry	Place of Issue
Passport	J0270571	07/01/2011	06/01/2021	Tiruchirappalli, India

Personal Profile

Name	Saravana Kumar
Father Name	Elangovan
Gender	Male
Date of Birth	23.11.1985
Marital Status	Single
Languages Known	English & Tamil
Permanent Address	3-620, New Market Street, Near Joseph Eye Hospital, Ariyalur – 621 704 Tamilnadu State India

I hereby declare that all the details furnished above are true to the best of my knowledge.

Place: Ariyalur
Date: 28 Feb 2015

Yours Truly

(SARAVANA KUMAR.E)