**Indonesia, August 19, 2017.**

**HR Recruitment**

Dear Sir/Madam,

## ***I wish to apply for vacant*** *“Senior Electrical Technician* ***if any available opportunity in your organization.***

I have been employed in PT.Arun NGL for 15 years and Currently I am working in EMCO for Qatargas based in Qatar since 2012 under maintenance electrical section.

I believe my extended work experience and knowledge of LNG / LPG plant during I am working at Qatar Gas Co and PT. Arun NGL.Co would be an asset to your company.

Herewith I attached my CV for your review and consideration. I am looking forward to hear from you.

**CURRICULUM VITAE**

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**DARWIN**

[**DARWIN.373312@2freemail.com**](mailto:DARWIN.373312@2freemail.com)

**OBJECTIVE**  **: Sr HVAC and Electrical Technician**

**Personal data** Birth date : November 25 ‘ 1964

Birth place : Tanjung Morawa , North Sumatra

Nationality : Indonesia

Marital status : Married, with Three Children

Religion : Moslem

**Company - EMCO for QATARGAS OPERATING COMPANY LIMITED, QATAR**

**( July 2012 - October 2016)**

**- PT.ARUN NGL COMPANY, INDONESIA**

( **September 1984 , – August , 2006 )**

**I had Involved this Following activities :**

* Pre Commissioning
* Commissioning
* Start-up
* Overhaul
* Maintenance ( OPCO )
* Trouble Shooting

**Carrier objectives**

To work for a company with high standards, a company that stresses employee, operational, and product integrity, that is conscious of performance quality, reliability, safety and cost. Maintains justice and equality, discourage politics and gamesmanship and continually strive to improve operations.

To obtain a position that will enable me to use strong organizational skills, ability to work with competent in the field of industrial maintenance and construction

HVAC technician where my skills and knowledge can be successfully utilized to enlarge productivity

**Formal Educational**

# 1980 to 1983: Passed from Senior high school, Tanjung Morawa ( North- Sumatra ) Indonesia

**Summary of skills**

Carry out preventive maintenance activities based on SAP work orders, and carry out skilled maintenance, repair and testing of electrical equipment.

Participate in the assigned plant shutdown activities and ensure timely completion of job activities.

Isolate and energize LV and HV motors and accept electrical permit to work.

Comply with all company Health, Safety and Environment as well as Work Permit,policies and procedures.

Provide work direction and instruction to the contractor craftsman.

Verify completed maintenance activities and ensure that the job is performed as per requirement and complete the maintenance activity sheet.

Collect technical data from the field if requested by senior technician/area engineer. .

Provide input for the preparation of Method statements and Initiate Near miss reports.

Identify areas for improvement in the activities performed and assist the senior section personnel to carry out modifications and improvements to the system.

Carryout visual inspection and be vigilant to identify any developing problem in the area assigned, and report any problems to relevant supervisor.

Participate in Emergency Response duties as a team member

**WORK EXPERIENCE :**

**July 2012 – October 2016 : Senior HVAC and Electrical Technician in EMCO for Qatar Gas**

To perform and participate in the PM , CM jobs and trouble shooting in Electrical maintenance activities of the plant Area.

For PM job are ; ( HVAC )

* Compare value to last set of reading and note any discrepancies or decline in performance
* Visually inspect all accessible coil and fins for dents, damage, and corrosion
* Inspect air handler for listen to the Ahu in operation, note any unsual noise or vibration coming from unit
* If Applicable , inspect the vibration isolators on the Ahu base , note any broken parts or metal to metal Contact
* Inspect Air handle for broken or missing instrumentation
* Inspect for loose or missing fasteners
* Inspect louver s on the inlet and outlet of the handling unit verify all linkage is in good mechanical condition and operation properly
* On AHU standby units, run the unit long enough to Perform AFunctional check of the system and include the steps listed above
* Remove AHU Inlet filter Access panels
* Remove and Clean AHU inlet Filters with Fresh water or LP Air Source
* Replace heavily soiled or damaged filters
* Re- installed and Securely fasten All Filter access
* With unit operation , record DP Across AHU Inlet Filters
* Inspect All HVAC Ducting for leaks
* Check and Listen For abnormal Noise and Vibration
* Inspect Output Temperature of unit
* Inspect damper and verify function Operation of Dampers and ensure they are in proper position
* If Mechanical Linkage is used , inspect rod ends for Tightness and Wear

VFD 5301/02/03 For HVAC Mechanical PM are :

* Conduct General Housekeeping of HVAC Skid and Surroding Area
* Verify fit and Seal of all access panels. Adjust as Necessary
* Verify Fastening Hardware is present and Securely fastened
* Check and Inspect Condenser
* Check and listen to Condenser in operation , note any unusual Noise or Vibration Coming from the Unit . Verify the Compressor is loading and unloading Smoothly
* Inspect the skid and Compressor vibration isolator on the Condenser unit,
* Inspect Condenser package for broken or missing instrumentation
* Inspect for loose or missing fasteners tighten and replace as necessary
* Verify the compressor crank case oil level while running oil level should be in the lower quadrant of the bolts eye sight glass with the level
* Condenser arrangement with dual compressor equipped with and equalizing oil line
* Over filling the compressor crank case can cause cylinder head gasket and valve plates to fail increase compressor operating temperatures and lead to oil control problem
* Verify all the condenser fans are operating
* Control system may be programmed to verify fan operation depending on condenser load
* Verify and record the following compressor parameters
* Record on ambient out door temperature
* Discharge outlet line Temperature
* Head discharge pressure
* Suction inlet line temperature
* Suction inlet pressure
* Motor barrel temperature

VFD 5301/02/03 For HVAC Electrical PM are :

* Record Room Temperatures
* Unit wiring
* Conduct visual inspection for damaged insulation and corrosion
* Tighten all terminal connections
* Inspect and tighten earth ground connections
* Apply corrosion inhibitor to exposed connections
* Fused indication lamps
* Inspect and replace bulbs as required
* Inspect and replace fuses as required
* Motor voltage and current imbalance
* Check the voltage imbalance between phases. Read each leg to ground and record the value, add all three values together and divide by 3,this will give you a running average, if any leg value is off by more that 2% of the average you need to contact the responsible supervisor and let them know there is a fault in the power distribution system,
* Long term operation of motor with imbalance over the 2% maximum deviation will result is overheating in the rotor and short motor live
* Inspect for current imbalance ,voltage imbalance will cause a current unbalance ,but a current unbalance does not necessarily mean that a voltage unbalance exists,
* A loose terminal connection or a built -up of dirt or carbon on one set of contact (using the example of L 1 as the problem Leg ) would cause a higher resistance on that Leg (L1) than on L2 and L3 , the current follows the path of least resistance ,so the current increases in legs L2 and L3 higher current causes more heat to be generated in the motor windings,
* Percent (%) of current unbalance is calculated in the same way as voltage unbalance (see the previous step),with a maximum acceptable current unbalance of 10 %,
* Compressor crankcase heaters ,
* Confirm crankcase heater is operational,

**October 1995 – 2008 : Senior Electrical Technician at PT.Ketapang Jaya in PT.Arun**

PRE COMMISSIONING AND COMMISSIONING WORKS.

Loop Checking:

Point to point check of control and protection circuit with 13.8kv, 4.16kv

and 480v switchgears.

MV, LV MCC control circuit.

LCP and Lighting control circuit.

Testing and pre-commissioning.

- Motor control center,control gear and switchgear.

- Motor winding, control and power cable insulation resistance testing.

- Motor bearing insulation testing. (MV motor)

- CT,VT,CPT testing.

Functional testing.

Simulation of motor control circuit for functional testing at feeder in test mod at MCC, Control gear and Switchgear.

- Functionality test from MCC to LCP.

- Functionality test of lighting and power system controls

- Trouble shooting and wiring modification of controls failed to start

Motor solo run testing

- Motor current, voltage power data Recording.

- Motor vibration testing.

- Motor RTD, synchronizing power data recording.(ei.synchronous motor).

As building drawing.

- Wiring modification in switchgears, MCC and LCP. red marking working

Drawing

**October 1994- 1995 : Senior Electrical Technician at Truba Jurong Engineering In ARUN Field**

SUB STATION AND PRE- COMMISSIONING WORKS.

Glancing and termination of control and power cables.

Control cable termination on Switchgears, MCC, IRP, RTU and alarm panel.

Read single line, loop diagrams and cable routing.

Cable installation and termination of motors, DCS system and industrial

Lighting

Installation of bus duct and supports from transformer to switchgear.

Reading schematic protection and control diagrams.

Point to point check of Switchgear,MCC and LCP control circuit and wiring

modification.

Functionality check from motor control centre to local control station.

Functionality check of lighting and power system control circuit.

Testing, commissioning and trouble shooting.

Monitoring of all solo run test for motors and recording all data with regards

To Vibration, winding temperature, voltage and current reading.

Trouble shooting of control circuit failed to start specially in solo run testing

of motor

Assist ABB vendor engineer for sitting/ testing of multiline and solid state

overload

Relays of switchgears and motor control canter, medium voltage and voltage

**1992- 1993 : Millwright at PT.Sinar Maju jaya in ARUN FIELD**

Carried out daily routine fist line mechanical maintenance in repairing all centrifugal and positive displacement pumps, gas turbines, compressors, fin - fan coolers.

Identified abnormal equipment condition by visual. This include: oil leaks, vibration, noisy, heat, dirtiness, corroded, physical damage.

Prepare report to superior regarding the abnormal condition and make suggestion to solve problem them.

Conduct internal safety audit to all equipment in train, including housekeeping and safety aspects.

Stand by on duty ( call out ) for emergency repair after working hours.

Carried out shut down jobs for MI / HGPI Gas turbines, Compressors.

**1984 - 1990 : HVAC Technician at PT. Aceh Aryama Teknik in PT. Arun NGL.CO**

Responsibilities handled are summarized as below:

Installed programmed power management control systems.

Installed and troubles hooted HVAC systems.

Maintained different equipment in well condition such as nitrogen, vacuum and hydraulic lines, and compressed air.

Designed different pumping system.

Investigated associated extra parts and selling and acquisitions.

Freeze Point Technologie

Also repaired profitable and housing HVAC Requipment.

Intended and assembled HVAC system and chillers for the application required, also for the electrical association.

Design and construction HVAC system and chillers for the application required, also for the electrical system.

**Special Courses**

20-22 july 2012 training breathing apparatus

15-17 October 2012 training H2S permit receifer

10-12 January 2013 training fire fighting

19-21 march 2013 training incident injury free

29-30 June 2013 training live saving rules

12-14 January 2014 training hvac system conduction