



## K. CHINNADURAI

QP & PDO Approved Lifting Equipment Inspector

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Nationality : Indian.

Passport No.: U8829802

GCC Driving License, Oman : 96166806.

### Personal Details :

Academic Qualification	B.E Mechanical Engineering Bharathidasan University in 1999.
DOB & Age	25 <sup>th</sup> December 1976 & 44 yrs.
Languages Known	English, Hindi, Tamil, Malayalam - Fluently. Arabic - Basic.
Home Address	Door No:95, SVK Nagar, Achampathu, Madurai - 625019.

### Objective :

To handle Multitask works, Independently and Exploration in Lifting & Rigging Operations related with Oil & Gas Industries. Achieving task and success with hard work, dedication and problem solving abilities.

### Professional Experience :

**19+ Yrs** as a Lifting Engineer/ Inspector/ Rigging Supervisor/ Trainer.

**1+ yrs of experience** in EPIC Contracting Company for Construction Field in Petrochemicals & Oil Refinery.

**11 yrs of experience** in TPC Company for Inspection & Certification in Oil and Gas, Terminal, Power Plant, Construction Field and Solar Steam Project.

**7 yrs of experience** in Process Plants and Operations Of Maintenance Department in Smelter Copper Plant, Container Terminal and Coal Jetty.

### Work History :

Organisation	Designation	Location	Duration
Arabian International Contracting Co. TTSJV, Bahrain.	Brown Field Rigging Supervisor	BAPCO Modernization Program - Refinery	MAY2021 - present

Organisation	Designation	Location	Duration
SNC Lavalin Inc. Via Applus VELOSI LLC.	Senior Lifting & Rigging Supervisor	SMC - Salalah Ammonia Project	MAY2019 - OCT2019
Applus VELOSI LLC Qatar & Oman.	Senior Lifting Equipment Inspector	QP & PDO sites	JAN2008 - JUL2012 & JUL2013 - OCT2019
Water Services Infrastructure (I) Ltd, JNPT Port Trust, Mumbai.	Senior Maintenance Engineer - Quay Cranes	Container Terminal	MAY2006 - DEC2007
M/s. Prumatech Services ( P ) Ltd., Vedanta Ltd (Sterlite), Tuticorin.	Senior Maintenance Engineer - EOT Cranes	Smelter Copper Plant	NOV2001 - FEB2006
M/s. Jano Engineering Works, VOC Port Trust, Tuticorin.	General Mechanical Maintenance - Ship Repair	Coal Jetty	JAN2001 - OCT2001

### **Freelancer Job:**

Organisation	Designation	Location	Duration
Al Mansoori Inspection Services, Saudi Arabia.	Lifting Inspector	ADC - Onshore RIG	FEB2013 - JUN2013

### **Certifications :**

- LEEA 2 : Diploma in Lifting Gear General.
- LEEA 1 : LEEA Foundation Examination.
- Croby : The Proper use of selection Crosby Rigging Products.
- VELOSI LLC : Lifting Supervisor, BS 7121.
- IPAF : Mobile Elevating Work Platform (Manlifts).
- NPORS : Safety Harness and Fall Arresters (Work at Height).
- HSE : STCW95, Offshore survival (Sea survival & HUET), BA & H2S.
- ASNT NDT Level II : MT and PT.

## **International Standards :**

Ensuring their compliance with Codes of British Standards, ASME, ISO and LEEA approved Code of Practice for the safe use of Lifting Equipments, Regulation of LOLER1998 (HSE), PDO & QP Local Legislation body Lifting & Hoisting specification, SNC Lavalin HSC Blue Book Policy and BAPCO Rigging Operations procedure.

## **Process Optimization :**

Safe Work Permit, JSA, RAMS (Risk Assessment & Method Statement) and Work at Height etc.

## **Soft Skills :**

Diploma in Computer Application : MS - Office  
(Word, Excel, Powerpoint & Outlook).  
Diploma in AutoCAD Rel.14 in CADD Centre.

## **Work Summary :**

### **BAPCO MODERNIZATION PROGRAM - REFINERY, TTSJV, BAHRAIN:**

Working as a BROWN FEILD RIGGING SUPERVISOR from MAY2021 to present.

- To Installation and Execution of Steel Structure of Pipe Rack (Columns, Lattice Frames, Tie Beams) and Pipe Spools (Pipelines and Piping).
- To site survey for ground condition, Below Ground Hazards, Overhead & above Ground Hazards and other proximity hazards is observed (Refer with **OSHA's** "Safety and Health Regulations For Construction").
- To prepare SWP based on Site Verification, JSA, Risk Assessment, Method Statement and Work at Height, etc.
- **By Rigging Studies:** To prepare the simple Lift Plan, Site Access and Egress Check List as per BAPCO Lift Data Sheet.
- To verify the routine & non- routine, Complicated, Tandem (Multi-Crane) and critical lift plan as per Lifts Classification of BAPCO Rigging Procedure.
- To support monitor, oversee lifting & rigging operation.
- Supervision all lifting operation to ensure barricading around lifting operation area.
- To ensure and appropriate Tag lines provided on the units.
- To ensure all lifting & rigging operations carried out safely and compliance to their **BAPCO procedure**.
- To ensure that SubContractors comply with key safe system of work with associated certificates as per procedure (BAPCO & TTSJV).

## **SNC LAVALIN Inc, SALALAH,OMAN:**

Worked as a SENIOR LIFTING SUPERVISOR in SALALAH METHANOL COMPANY LLC for Ammonia Project from MAY2019 to OCT2019.

- **Green Field: Heavy Vessels, Skids-Installation and Performing** using by CC2800-1, LTM 1200-5.1 and CKE 2500-2 such as PSA Absorber, Tail gas buffer vessel, WHB, HP Separator, LP Flash Drum, Hot Exchanger, NH3 Cartridge, NH3 Converter Shell, Ammonia Flare, Tank Flare, Refrigeration Compressors, Syngas Compressors, PSA Valve Skids, Condenser, MAC&NIC, 132KVA Transformer, Concrete Precast, Steel Plates and etc.
- **Brown Field:** WashColumn, Steel Structure of Pipe Rack & Pipe Spools.
- To review and approval the Simple Lift Plan.
- To review and approval the routine lift plan and non-routine lift plan.
- To review and approval the Complicated Lift plan.
- To review and approval the Tandem Lift plan.
- To review and approval the critical Lift plan.
- To site survey for ground condition, Below Ground Hazards, overhead & above Ground Hazards and any other proximity hazards is observed (Refer with **OSHA's** "Safety and Health Regulations For Construction").
- **By Rigging Study:** To review & verify effective cranes with present configuration and suitable lifting gears selection, Wind Speed, COG & GBP Calculations checked with **latest GA & Transportation Drawing** as well as physically check at site and confirm the lift plan.
- Responsible for review & verify the NDE report of Pad Eyes (Lifting & Tailing points), trunnion.
- To confirm if there are any special requirement for **Modulift Modular Lifting Beams**, Spreader Beams, Adjustable Lifting, Spreader Beams, Drop Link and Lifting gears with the respective drawing/ latest document and Ensure with associated certificate (TPI & APA).
- To check the crane path way with crane operator and confirm the area access from one location to another location before Entry.
- To confirm if all the preparation is being carried out according to the approval lift plan.
- Audit potential SubContractor's practises & procedures and their holding of lifting equipment.
- Audit potential SubContractor's Lifting Gears Register in rigging stores.
- **Responsible:** For overseen, monitor to ensure correct working practises are being followed and Technical support to all lifting and rigging activities for planning and scope of work.
- To check all SubContractors the rigging activities and method of rigging, correct usage and if any observation is found, I will brief to workforce for corrective action.
- To ensure that SubContractors comply with **key safe system of work** as per SNC Lavalin HSE Blue Book Policy are being followed.
- To involve Investigation of incident on lifting equipment and cranes.

## **APPLUS VELOSI LLC, QATAR & OMAN :**

Worked as a QP & PDO approved LIFTING EQUIPMENT INSPECTOR from JAN2008 to JUL2013 & JUL2013 to OCT2019.

- Thorough Visual Examination and Load Testing such as Hydraulic Mobile Cranes, Lattice Boom Crawler Cranes, Articulating Boom Cranes (Lorry Loader) and Side Boom Pipe Layer.
- Thorough Visual Examination and Load testing such as Electric Overhead Travelling Cranes, Gantry Cranes, Slewing Jib Cranes, Electric Hoists (Chain & Wire Ropes), Runway Beams, Monorail Beams with trolley and Cantilever Beams.
- Thorough Visual Examination and Load Testing of Tower Cranes.
- Thorough Visual Examination and Load Testing of Fly Jibs, Fixed at Telescoping and Lattice Boom Cranes (Mobile & Crawler Cranes).
- Thorough Visual Examination and Load Testing of Mechanical Handling Equipment such as Industrial Forklifts, Tele-handlers, Tool Carriers (Wheel Loader with Forks), Pallet Trucks & Stackers, Floor Cranes and Vehicle Lifts.
- Thorough Visual Examination and Load Testing of Container Handling Equipment such as Rail Mounted Quay Crane (RMQC), Rubber Tyre Gantry Crane (RTG), Container Shifter Reach Stacker (RS - KALMAR), Spreader Bar (20ft, 35ft, 40ft) and etc.
- Thorough Visual Examination and Load Testing such as Mobile Elevated Work Platform (Articulating & Telescoping Boom and Scissor Lifts), Suspended Access Work Platform (Cradles) and Mast Climbing Work Platform (Passenger Hoists & Material Hoists).
- Thorough Visual Examination, Functional Test and Load Testing of Hand Operated Equipment such as Chain Blocks, Lever Hoists, Tirfors (Jaw Winches), Manual Winches, Beam Trolleys and Jacks (Hydraulic & Mechanical).
- Thorough Visual Examination and Load Testing of below hook attachments such as Lifting Beams & Lifting Frames and Spreader Beams (Spreader Bars), C-hooks and Plate Clamps.
- Thorough Visual Examination and Load Testing of Cargo Carrying Units (CCU) such as Containers, Material Baskets, Man Baskets, Skids and Gas Cylinder Racks, etc.
- Thorough Visual Examination and Verification of Lifting gears such as Slings (Wire Rope, Webbing, Chain), Shackles, Eyebolts, Hooks, Master Links & Rings, Beam Clamps (Fixed & Adjustable), Swivels, Turnbuckles, Lifting Caps, Drum Lifters, Pulleys and Sheave/ Snatch Block, etc.
- Thorough Visual Examination and Operational Test of Heavy Earth Moving Equipments such as Wheel & Steer Skid Loader, Backhoe Loader, Compact Roller, Dozer, Grader and Excavator, etc.
- **Onshore Hoist:** Thorough Visual Examination, Functional Test and Load Test for Winches such as Hydraulic Operated Utility Winch & Man Riding Winch and Lifting Gears & Guy Wires Inspection.

- Thorough Visual Examination, D.o.C Verification and Calibration for Test Weights.
- **Modulift Modular Beams (Heavy Lifting Engineering):** Thorough Visual Examination and Verification based on DOC, Configurations and Rated Load Charts such as Lifting Beams, Spreader Beams, Adjustable Lifting & Spreader Beams and Spreader Frames.
- **Hydraulic Mobile Crane Slew Ring Wear Test:** Roller bearing slewing rim vertical play measurements taken by Dial Gauge & make the report and verify with maximum allowable deviation of manufacturer's parameters.
- **Witness For Load Test:** Lifting Gears like Slings, Shackles and etc & Minimum Breaking Load Test (MBL) carried out for Steel Wire Ropes and Synthetic Webbings.
- Witness for Colour Coding on all Inspected and Certified Lifting Gears.
- To ensure whether Colour Code Display Board is placed appropriately.
- **Training:** Responsible for conducting training programs of Safe Lifting & Rigging, Lifting Equipment Operators and Equipments Operator Assessment.
- **Responsible:** For Preparation Of Certificates, Lifting Gears & Lifting Equipment Register, Inspection Report & Quarantine Report.
- As per instructions of company management, Participate/Assist to Technical Support/ Clarification/ Enquiry and Quotation discussion.

### **JNPT CONTAINER TERMINAL, MUMBAI :**

Worked as a SENIOR MAINTENANCE ENGINEER from MAY2006 to DEC2007.

- **Rail Mounted Quay Crane** (RMQC- BM TITAN) with lifting capacity 40MT Spreader and 60MT Hook Mode.
- **Responsible:** For preventive maintenance carried out as prepared from Crane manufacturer's check list. To check the wire ropes (Hoist & Boom), All Fasteners, Spreader, Twist Lock Pins, Hydraulic Hoses, Rope Termination, Access Ladders, All functions limits switch, Operator Cabin Bell & Rotating warning alarm, Operation of all functions, Oil leaks, wheels (Bogie & Trolley), Gear Oil Level in Gear Box & Hydraulic Oil in (Spreader & brakes), Seat & Seat beat, Anti collision System, Rope Drums, Lights, SLI, TLS Lock/ unlock, Fire extinguisher and CRD.
- Responsible for Periodical maintenance carried out as on intervals, Lubricants changing in gear box, Hydraulic oil filling in Spreader tank & thruster brakes, lubricants apply on wire ropes (Hoist & Boom).
- Steel Wire Ropes & Crane Wheel Inspection and replacement as per OEM Manuals.
- **Hydraulic Unit (KHIC-Spreader):** Trouble shooting the check rotation of twist lock/ unlock pins and sensors motion for TLS (Trim, List, Skew).
- **Responsible:** For preparation of weekly and monthly reports of cranes.

## **VEDANTA LTD (STERLITE COPPER), TUTICORIN :**

Worked as a SENIOR MAINTENANCE ENGINEER from NOV2001 to FEB2006.

- Electric Overhead Travelling Cranes (E.O.T), Goliath Gantry Cranes, GRAB Cranes, Electric Hoists, Slewing Jib Cranes, Cantilever Beams, Monorails and **Runway Beams** (Mukund, Petron, WMI, Kone & Indef) with Lifting capacity from 1MT to 60/60 MT.
- **Responsible:** For preventive maintenance carried out as prepared from Crane manufacturer's check list. To check the wire ropes (M.A & A.H), all fasteners in couplings, wheels, rails, brake shoes & pivot points, hook blocks (hook rotation, safety latches, pulleys, Wedge Sockets, rope termination), rope guide, Access Ladders, Anti - Two Block System, Rotating Waring Alarm, Operation of all functions, Oil leaks, Gear Box Oil Level, Seat & Seat Belt, All functions Limits Switch, Anti collision system, Cage, Lights, Fire Extinguisher, End stopper & Buffers.
- Responsible for periodical maintenance carried out as on intervals, Lubricants changing in gear box, Hydraulic oil filling in thruster brakes, lubricants apply on wire ropes (M.A & A.H).
- As per planned maintenance work, Replacement of Wire Ropes (M.H & A.H), Crane Wheels(L.T & C.T), Hook Blocks, Electric motors, bearing, shafts, DSL/ bus bars and Brakes assembly.
- As per OEM manuals allowable limits and planned maintenance work, Crane Rails (L.T & C.T) replacements and alignments used by **trigonometry method**.
- Overhauling & Assembling of gear boxes and alignment of motors.
- Grabs, Hook blocks and Brakes (Thruster & Magnetic Disc) servicing.
- Brittle Arm Assembly Maintenance work in Ladles.
- Diagnose and Rectify faults to enhance scope of Work Equipment.
- Provide technical inputs to modify Work Packs, Planning Process and performs maintenance.
- When required lead a root cause analysis and provide maintenance support to client.
- Ensuring the inventory of all fasteners and spares arranging for Cranes maintenance.
- To coordinate with spares shifting from central workshop such as Cranes Rails, Wheels, Hook Blocks, Electric Motors, Wire Ropes (Steel & Fiber Core).
- To coordinate with company registered TPA and maintenance departments for the certification of Cranes, Winches and Lifting accessories, etc.
- Co-ordinating with Electrical Maintenance jobs also.
- **Responsible:** For preparation of weekly and monthly reports of cranes.

## **VOC PORT TRUST, TUTICORIN :**

Worked as a GENERAL MECHANICAL MAINTENANCE ENGINEER from JAN2001 to OCT2001.

- Responsible for receiving the jobs, material request as provided specification by Chief Engineer and will be completed within required date & time (before sailing).
- **Dock Mounted Racking - Luffing Cranes** wire ropes replacement including Grab maintenance.
- Supervise team members for **ship repair** at dock and engine side such as Pipelines Maintenance Work of Dismantling, Fabrication, Installing of Fire Line, Water Line, Steam Line, Oil Line, Air Line etc. with quality effective.
- To coordinate replacement of Catches Wheels and Handrails which is assigned.
- Supervise assigned rigging activities performed from Engine side to Dock side like Valves & generators.
- Responsible for preparing all related final reports of maintenance.

## **Short Term Job :**

### **ARABIAN DRILLING COMPANY, SAUDI ARABIA :**

Worked as a LIFTING INSPECTOR in Onshore RIG from FEB2013 to JUN2013.

- Responsible for Thorough Visual Examination and Verification of Wire Ropes, **Load Lines** such as Loading, Monkey Board, Guy, Escape, Power Swivel, Manual Tang, Power Tang, Guide, Mast & Man Riding Winch Line, etc.
- Thorough Visual Examination and Verification of Lifting accessories such as Swivels, Turnbuckles, Lifting Caps, Drum Lifters, Chemical Bag Lifter, Pulleys, Sheave/ Snatch Block, Jaw Winches, Tubing Basket, Man Basket, Gin Pole Pocket, Bop Lifting Frames and etc.
- Lifting Points of pad eyes inspection using **NDT method** like Mast, Man & and Material Baskets.
- **Preparation** of Certificates, Lifting Equipment Register & Inspection Report & MPI reports.

## **Declaration :**

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

Place:

Yours truly,

Date:

[K.CHINNADURAI]