**MANIVANNAN**

**E mail :- manivannan.385672@2freemail.com**

**PRODUCTION - SENIOR LEVEL**

Highly talented Industrial production professional with extensive experience in organizing the resources and services necessary to producing goods Like **Wind Turbine Generators – Production and Technology Transfer from 225 kw to MW series** ,Induction Motors , Sheet Metal Fabrication by CNC Machines (AMADA ,TRUMPF & LVD) & Welding by MIG,ARC, Robotwelding, Shot Blasting , Paintings, Assemblies and Transformers components fabrication and painting up to 30 mw rating.

Proven expertise in scheduling, staffing, procuring & maintaining equipment, overseeing quality & inventory control and coordinating production activities among departments.

**Objective Statement** – Managing and directing production processes while ensuring optimum utilization of resources to increase cost savings, quality, yields, output and efficiency of production.

 **Experience Summary**

**Wind Turbine Generator**

**Production Experience in Vestas RRB, Winwind India and Pioneer Wincon**

• Experienced in Assembly of Wind Turbine Generators ( Nacelle and Hub ) from 225 KW to 1 MW

• Experienced in Technology Transfer of Wind turbines for MW Series in Pioneer Wincon and two week

 Visit in **Unison Wind at South Korea.**

• Experienced in Trained (Two months) 1 MW WTG Assembly activities at **Winwind Finland.** •

• Experienced in New Factory Setup for Wind turbine Plant

•Increased the Productivity by Reducing the cycle time (through put time ) – implemented new technologies and jig and fixtures.

• Prepared & implemented the BOM for Tubular Tower for WWD1.

• Experienced in 5s and Kaizen activities in the Production shop.

**• Best Performance Award** Received at WinWind (year 2010), India

• Excellent knowledge of business and management principles    involved in strategic planning, resource allocation, human    resources modeling, leadership technique, production methods,    and coordination of people and resources.
• Knowledge of principles and methods for curriculum and training    design, teaching and instruction for individuals and groups,    and the measurement of training effects.

• In-depth knowledge of machines and tools, including their designs, uses, repair, and maintenance.

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**Switchgear and Other Industries**

• Immense knowledge of raw materials, production processes, quality control, costs, and other techniques for maximizing the effective manufacture and distribution of goods.
• Sound organizational, planning and problem-solving skills.
• Independent and extraordinary ability to take on responsibility.
• Ability to work under pressure and coordinate numerous activities and groups of people.
•Experienced in Sheet metal Fabrication by CNC TURRET Punch, Laser cutting ,CNC Bending, Welding -MIG, TIG, ARC, SPOT & ROBO,Shot Blasting, Powder coating & Spray painting.

• Experienced in Fabrication of Oil Transformer metal Tanks,SS Tanks and Heavy Steel Structures

• Experienced in Machining, Fabrication and Assembly of Induction Motors & squirrel cage sugar application Motors.

• Familiarity with principles and procedures for personnel    recruitment, selection, training, compensation and benefits,    labor relations and negotiation, and personnel information    systems.

• Intimate knowledge of the practical application of engineering    science and technology. This includes applying principles,    techniques, procedures, and equipment to the design and production of various goods and services

### Education

Bachelor of Engineering with specialization in Mechanical Engineering from Madras University, in 1994.

Pursuing MBA – Production Management in Madurai Kamaraj University.

Computer: Knowledge in C, C+ +, UNIX and Microsoft Applications.

**Professional Work Experience**

Al-Ahleia Switchgear Co, Kuwait, Feb 2015 to Dec 16

Production Engineer – Unit In charge

### Company Profile

Al-ahleia switchgear co, ISO 9001 company having 11 units, Leader (Middle East) in manufacturing of Lv, Mv Switch gear, Oil & Cast Resin Transformers range up to 31.3 MVA. Plant has augmented its production planning & fabrication shop with latest, state of the art computer numerically controlled CNC machines, various products, parts are manufactured using CAD- CAM technique.

### Job Profile

* In charge for production whole activities of one unit
* Planning of work depend assembly requirements, daily work allotting and feedback from shift Engineers &Supervisors.
* Work experience on manufacturing of Jigs & Fixtures for components of VCB & transformer components.

**Experience and Fault attending (Trouble shooting) in following areas.**

1. Latest CNC Technology in sheet fabrication including combination press capable of Punching & Laser Operation machine TRUMP –6000L-GERMAN and L3030.
2. LVD – Bending machine – Belgium & 100 ton Hydraulic Press
3. Welding – MIG, ARC, TIG, STUD Welding & Spot Welding machines- Robotic Welding – ABB
4. Shot Blasting ( MANUAL &AUTO ) &Zinc Spray Unit
5. Electroplating, Tin, Silver, & Zinc plating.
6. Spray Paint &Powder Coating plant using degreasing method
* Responsible &In charge for Panel & Transformer Production Fabrication Activities up to 30 MVA.
* Production plan preparation for Month ,Week and Daily.
* Ensure the adequate manpower is provided in shift, materials are made available in shop floor for assemblies.
* Co-ordinate with store, purchase & QA departments to ensure that Production plan is adhered.
* Monitoring the production ISO Documentations, internal auditing the department and reviewing the reports.
* Implemented 5s and Kaizen activities in the assembly shop.
* Improve the employee morale and team working, employ system to build quality and safety in each and every activity. Ensure the good housekeeping of production shop floor areas.
* Assisting Quality assurance activities, maintaining &controlling of quality in shop floor.
* Achieving the target and result orient to my superiors and also capable of handling more than Two hundred and fifty manpower's.

**PioneerWinconpvt Ltd, Chennai. 2011 – 2012**

**Manager –Sp Project Mw Series &Production**

### Job Profile:

* Responsible &In charge for Nacelle & Hub Production Activities&dispatches.
* Production plan preparation for nacelle assembly.
* Ensure the adequate manpower is provided in shift, materials are made available in shop floor for assemblies.
* Co-ordinate with store, purchase & QA departments to ensure that Production plan is adhered.
* Analyzing & Trouble shooting Of existing 250 KW & 750 KW wind turbines (assembly issues & site issues)
* Cost estimation of existing wind turbine mechanical components for cost reduction purpose.
* Monitoring the production ISO Documentations, internal auditing the department and reviewing the reports.
* Implemented 5s and Kaizen activities in the assembly shop.
* Improve the employee morale and team working, employ system to build quality and safety in each and every activity. Ensure the good housekeeping of production shop floor areas.

**Additional Responsibility – Sp Project Mw Series**

* Responsibility on Research and Identification of a new wind turbine technology drives in the market.
* Core technology review on performance of the various wind turbine machinery.
* Evaluation of real performance on generation production of the wind turbines.
* Assessment and estimation of value on the products in the markets.
* Review of various vendors to develop the components for indigenous.
* Evaluation of Vendors facility for components development in India. (Indigenous of components)
* Design assessment of the facility development for assembly of wind turbine equipment.
* Cost estimation of existing wind turbine mechanical components for cost reduction purpose.

**Winwind Power Energy Pvt Ltd, Chennai 2007 to Jan’ 2011**

**Deputy Manager – Production**

### Job Profile

* Developed the Assembly procedures, layouts & sequence of operations.
* Modified and created the drawings for assembly fixtures and lifting tools.
* Interacted with Winwind Finland engineering team and provided the sufficient data for WWD1 manufacturing in India.
* Knowledge & Key user of **PLM**.
* Developed the list of assembly tools for Nacelle & hub and same procured with the help of scm.
* Made the **factory setup for production shop** and to execute the production plan & co-coordinated to SCM and procured the capitals’, fixtures & tools.
* Preformed the Technical reviews with Winwind Finland, SCM, subcontractors for developing WWD1 components.
* Prepared & implemented the BOM for Tubular Tower for WWD1.
* Developed and implemented the Manufacturing procedure for wind turbines acted as Team leader over Mechanical contents during construction.
* Under gone two months training at **Finland –Oy** , and trained Engineers and technicians for assembly of nacelle, hub & subassemblies
* Work involves in developing Indigenous components of Nacelle , Hub and PU.
* Responsible &In charge for Nacelle & Hub assembly Activities & dispatches.
* Production plan preparation for nacelle assembly.
* Ensure the adequate manpower is provided in shift, materials are made available in shop floor for assemblies.
* Co ordinate with store, purchase & QA departments to ensure that
	+ Production plan are adhered.
* Monitor’s the work for quality of product and workmanship in the shop floor.
* Implementation of new testing arrangements for Nacelle Testing.
* Attending the assembly problems and taking corrective actions, avoiding the same problems in future production.
* Monitoring the production ISO Documentations, internal auditing the department and reviewing the reports.
* Core member for EHS & OHAS implementation.
* As a core member of the **ERP – IFS team** for production module, work
	+ Implement –IFS production module..
* Implemented **5s and Kaizen** activities in the assembly shop.
* Improve the employee morale and team working; employ system to build quality and safety in each and every activity. Ensure the good housekeeping of production shop floor areas.

**Vestas RRB India Ltd, Chennai. Feb’2006 – Dec’ 2007.**

**Asst. Manager – Production**

###  Job Profile

* Prepared & implemented of V27-225 kw,V47-500kw & V47-600kw BOM for Nacelle & Hub.
* Developed the Assembly procedures, & sequence of operations.
* Prepared the drawings for assembly fixtures and lifting tools.
* Developed first Indigenous components for V47-Hub and Assembled the Hub.
* Performed the Technical reviews with Vestas Denmark, scm, subcontractors for developing V47-Hub components.
* Implementation of Vestas procedures and design standards, contribute
	+ To high creation of high quality of products.
* In charge of Production, Job involves production planning control; Process planning, Method improvement, optimizing utilization of man, machine and productivity improvement.
* Production plan preparation according to the company target.
* Implemented the effective methods (Manpower, Tools, and Operation Documents) to increase the production quality.
* Implemented the work measurement system in the assembly shop floor, based on the process flow of the materials, usage of manpower and tools, operation sequence.
* Implemented the advanced technology Laser alignment method to reduce the man power usage in nacelle assembly process.
* Attending the assembly problems and taking corrective actions, avoiding the same problems in future production.
* Monitoring Quality of the production and workmanship in the shop floor.
* ISO internal auditing the department and reviewing the reports.
* Prepare the imported components stock report and sent to MNES for duty exception.

Al-Ahleia Switchgear Co, Kuwait, Mar 2003 to Sep 2005

Engineer– Production.

### Company Profile

Al-ahleia switchgear co, ISO 9001 company having 7 units, Leader (middle east) in manufacturing of Lv, Mv Switch gear, Oil & Cast Resin Transformers range of 1000, 1250, & 1600 KVA. Plant has augmented its production planning & fabrication shop with latest, state of the art computer numerically controlled CNC machines, various products, parts are manufactured using CAD- CAM technique.

### Job Profile

* In charge for production whole activities of one unit
* Planning of work dependsAssy requirements, daily work allotting and feedback from shift Engineers &Supervisors.
* Work experience on manufacturing of Jigs & Fixtures for components of VCB & transformer components.

**Experience and Fault attending (trouble shooting) in following areas.**

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2. LVD – Bending machine – Belgium & 100 ton Hydraulic Press
3. Welding – MIG, ARC, TIG, STUD Welding & Spot Welding machines- Robotic Welding – ABB
4. Shot Blasting & Zinc Spray Unit
5. Electroplating, Tin, Silver, & Phosphate
6. Powder Coating plant using degreasing method
* In charge for New development oil transformers like 2000 KVA & 12.5 MVA transformer, all fabrication activities (achievement in al-ahieia
* Assisting Quality assurance activities, maintaining &controlling of quality in shop floor.
* Achieving the target and result orient to my superiors and also capable of handling more than hundred and fifty manpower’s.

NSRElekemetPvt.Ltd, Chennai Dec’1998 toFeb 2003

Assistant Manager – Production & assembly

### Company Profile

NSR Elekemet, manufacturing of Vacuum Circuit Breakers, vacuum contactor, isolators and double bus bar panels range of 3.3 KVA to 36 KVA.

#### Job Profile

* Daily planning of production, materials planning & procuring from vendors.
* Manufacturing of Jig& Fixtures for VCB components.
* Value & Cost reduction using time & work study
* Fabrication of Breaker panels,VCB components, & inspection
* Panel sheet punching & Bending process by CNC TURRET PUNCH & Bending machine
* Maintenance of Genset& various type of mv Panels
* In charge for executive the KONE ELEVATOR JOBS (Lift parts)
* Implementing activity system as per Kone Elevator std& Vendor Inspection.

**RotoParts (I) Pvt.Ltd, Chennai. April 1996 to 1998 Nov**

Assistant Works Manager – Production & assembly

**Company Profile**

ROTO PARTS (I) Pvt. Ltd, ISO COMPANY, manufacturing of Siemens Ac Induction motors (SPDP & TEFC) from 7.5 KW to 250 Kw and also three & four speed sugar application motors

### Job Profile

* Material & Production planning according to Siemens orders
* Materials procuring from Siemens & Local
* Daily work allotting, get feed back from Supervisors.
* Manufacturing of Jig & fixtures for motor components.
* Fabrication of motor frame & other components.
* Assisting to Quality Control & Internal Auditor activities
* Maintenance of Genset& machineries.

Wellwin India Ltd, Chennai, Sep’ 1995 to 1996 Mar

Technical Support Engineer

**Company Profile**

Wellwin Industry Ltd., Manufacturer of Pressure, Temperature Gauges, Temperature switches & Flow meters.

### Job Profile

* Installing & Commissioning of Gauges
* Technical details collection from customers like INS- SATHYA, INS-MAKER, VIZAG BASE SHIPS, ANDAMAN- PORTBLAIR Defense , ONGC,- Rajahmundry SRF &etc
* Fault attending & servicing of Gauges
* Assisting to Quality & Inspection of Gauges

Best CastPvt.Ltd, Chennai , Sep’ 1994 to 1995 Aug

**Tool Room & Project Engineer**

### Company Profile

Best Cast Pvt.Ltd, Manufacturer of Al Gravity die Castings main consumer like TELCO, MICO, ENFIELD etc

### Job Profile

* Tool Room in charge making dies for aluminums castings
* Preparing Bill of materials for Dies(PPC)
* Preparing the production schedule & allotting the daily work & get the feed back
* Vendor Inspection for outside & inside works.