

<b>Position</b>	<b>Electrical &amp; Wiring Harness</b>
<b>Company</b>	<b>VST Tillers Tractors Limited</b>
<b>Location</b>	<b>Hosur, Bangalore</b>
<b>Reporting Relationship</b>	<b>General Manager R &amp; D Head</b>
<b>Website</b>	<a href="https://www.vsttractors.com/">https://www.vsttractors.com/</a>
<b>To apply share cv to</b>	praveenkumar.s@vsttractors.com

### **VST Tillers Tractors Ltd (VTTL) - A Leading Force in Indian Agriculture**

VST Tillers Tractors Ltd (VTTL) is a household name in Indian agriculture, a legacy brand established in 1967 and part of the well-respected VST Group, founded in 1911. As a publicly traded company, VTTL is committed to transparency and accountability.

#### **Market Leadership and Innovation:**

VTTL holds a dominant position in the power tiller segment and enjoys a strong presence in the 4WD compact tractor market, boasting a 75% market share for power tillers in India. Driven by a passion for innovation, VTTL consistently develops and manufactures high-quality agricultural equipment designed for Indian farms. Their machines, built with robust materials and advanced engineering, ensure reliability, minimal maintenance, and consistent performance across diverse agricultural landscapes.

#### **Extensive Product Portfolio:**

VTTL offers a comprehensive range of agricultural equipment catering to the needs of small and medium-scale farmers. Their product line includes tractors, power tillers, diesel engines, and other essential farm implements. Their offerings cover a power range of 2 HP to 50 HP, catering to various farming applications. Notably, VTTL is a pioneer in the 4WD compact tractor segment, offering manoeuvrability and power for demanding tasks.

#### **Strong Nationwide Presence:**

VTTL has a robust national presence with three manufacturing units strategically located across India. They have established a vast network of over 1,200+ dealers, 6,200+ retailers, and 85 spare

parts distributors to ensure easy access to their products and services for farmers throughout the country.

### **Global Recognition:**

VTTL's success extends beyond Indian borders. They have established a strong international presence, exporting their equipment to over 40 countries across Europe (EU - 17 countries, brand name VST FieldTrac), Africa (19 countries), Latin America (4 countries), and Asia (3 countries). This global reach signifies the trust and value their products hold in the international agricultural market.

### **Core Values:**

VTTL operates with a set of core values that guide their business practices and interactions:

- **Customer Centricity:** Making every interaction with farmers valuable and meaningful.
- **Integrity:** Upholding ethical conduct in all business dealings.
- **Synergy:** Building a collaborative environment for collective success.
- **Speed:** Embracing agility and responsiveness to market demands.
- **Stretch:** Continuously striving for improvement and exceeding expectations.
- **Go Green:** Promoting sustainable practices and environmental responsibility within the agricultural sector.

VTTL's commitment to quality, innovation, and farmer-centricity has solidified their position as a leading force in Indian agriculture. Their dedication to ethical practices and environmental responsibility further strengthens their reputation as a responsible and sustainable company.

### **Job Title**

**Electrical Lead - Tractor and Small Farm Machines**

### **Job Purpose**

To design, develop, integrate, and support electrical and electronic systems in tractors, small farm machines (SFM), in compliance with different regulatory environment like TREM V, EU Stage V, US Tier IV and applicable standards worldwide.

## Key Responsibilities

### 1. Electrical System Design

- Design and develop tractor/SFM /Agri Machinery EV - electrical architecture.
- Selection and specification of **wiring harnesses, connectors, fuses, relays, switches, sensors, actuators.**
- Design electrical layouts for **engine, transmission, hydraulic, lighting, cabin, and implement interfaces.**
- Develop schematics, wiring diagrams, and BOMs.

### 2. Electronics & Controls

- Integration of **ECUs**, instrument clusters, sensors, and controllers.
- Validation of electrical interfaces with engine ECU, alternator, starter, battery, and safety systems.

### 3. Testing & Validation

- Plan and execute electrical testing (functional, durability, vibration, thermal, water ingress).
- Troubleshoot electrical failures during prototype, pilot, and SOP stages.
- Support statutory testing and approvals, work with suppliers for necessary COPs
- Trouble shooting and solutioning during reliability testing.

### 4. Manufacturing & Quality Support

- Support production line electrical issues, root cause analysis, and corrective actions.
- Improve assembly processes, error proofing, and serviceability.
- Coordinate with suppliers for quality improvement and cost reduction.

## **5. Regulatory & Compliance**

- Upgrade existing electrical systems for meeting evolving regulatory standards. (TREM V, EU Stage V, USA Tier IV and subsequent applicable standards.)
- Support homologation documentation related to electrical systems.

## **6. Supplier & Cost Management**

- Technical evaluation of suppliers for electrical components.
- Cost optimization through VA/VE, localization, and alternate sourcing.
- Review supplier drawings, PPAPs, and validation reports.

## **7. Service & Field Support**

- Analyze field failure data and support corrective design actions.
- Provide technical input for service manuals and training.

## **Required Qualifications**

- B.E./B.Tech in Electrical / Electronics / EEE / Mechatronics
- 7 - 10 years of experience in tractor, off-highway, automotive, or agricultural equipment industry or Tier-1 Supplier
- Exposure to TREM V, Stage V, Tier IV environment

## **Behavioral & Soft Skills**

- Strong problem-solving and analytical skills
- Cross-functional coordination (mechanical, engine, quality, suppliers)

- Documentation and communication skills
- Hands-on attitude for shop-floor and field support