


REPORT / SERVICE DETAILS

1. Project Information

- **Project Name:** KOKAN RAILWAY Alternator staggering and winding
- **Location:** madgaon
- **Client Name :**  **Konkan Railway Corporation Limited.**
- **Project Start Date:** 10-sep-2024
- **Project Completion Date:** 10-oct-24
- **Status:** Completed

2. Company Information

- **Company Name:** Omkar Rewinding Services
- **Specialization:** Repair, Rewinding & AMC Services for Generators & Industrial Motors
- **Dealer:** Spare Parts for Generators & Motors
- **Customer Support:** 12/7 Service Availability

3. Scope of Work

- **Services Provided:**
 - [Example: Generator Rewinding, stagring, stamping]

4. Technical Details (if applicable)

- **Machine Type:** cummins
- **Capacity / Power Rating:** 500kva
- **Materials Used:** Copper
- **Testing & Quality Check:** [Brief Description]

5 description of work :

The project involved the complete dismantling of the **alternator** using a **hydraulic system** to ensure a safe and efficient disassembly process. Initially, the **cover was carefully removed from the stator**, followed by the extraction of the **core from the alternator body**. The next step involved **disassembling the core**, where each of the **1,365 plates** was individually removed with precision. Once separated, every plate underwent a thorough **cleaning process** to eliminate any accumulated dust, corrosion, or debris. Additionally, the **existing copper winding was removed** from the plates to prepare for rewinding. After the cleaning process, the plates were **rearranged and reassembled** systematically to restore the original core structure. Following this, the **winding process was carried out with high-quality copper**, ensuring optimal efficiency and durability. Finally, the **reassembly process was performed in reverse order**, carefully reinstalling the **core, stator, and alternator cover**, ensuring that every component was securely fitted and aligned for optimal performance.

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Photo



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