

## Weekly Report – Rotor Bearing System

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Week Number: Week 1, 21 to 26 July 2025

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### 1. Summary of Progress This Week

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- Currently working on Concept Freeze.
- Shortlisted types of bearings which might be used in our Project, Short PPT prepared on it.
- Finding a suitable reference Wind Turbine with similar environmental conditions and average wind speed to that of Syria.

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### 2. Milestone/Deadline Status

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- Current Phase: Initial Preparations
- On Track? - Yes

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### 3. Next Week's Plan

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- Finalizing the reference Wind Turbine.
- Research on the cost of bearing.
- Discussion on the type of Lubrication needed for the Rotor Bearing System.

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### 4. Request to Head of Project

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- (1.) Data Wanted from Load and Dynamics team to select the bearing and its number.
- (2.) Data from Rotor Hub team so that diameter of Rotor Shaft can be decided.