

# Feature List Artifact — WMS for Directorate of Archaeology, MP

## 1. Project Overview

The Work Monitoring System (WMS) is a digital platform designed to streamline and secure the record-keeping of monument restoration projects under the Directorate of Archaeology, Madhya Pradesh. It enables the department to assign restoration contracts, define project milestones, collect digital proofs of progress, track payments against milestones, and maintain immutable records accessible to all relevant stakeholders.

## 2. Core Problems & Goals

### Problems:

- Restoration work progress is tracked manually on paper.
- Physical inspections are the only way to validate progress.
- Contractors can manipulate or delay reports.
- Payment status and approvals lack transparency.
- No unified dashboard for progress analysis.

### Goals:

- Provide logins for all stakeholders (department & contractor side).
- Digitize milestones and their approvals with supporting evidence.
- Ensure uploaded proofs are authentic (geo-tag, timestamp).
- Maintain full records of payment tracking per milestone.
- Provide dashboards & reports for analysis.
- Ensure rejections, rework, and partial approvals are handled smoothly.

## 3. Core Problems & Solution Principles

- Cheating in proof submission → Geo-tagged, timestamped, watermarked media uploads.
- Manual approvals → Digital workflows with inspector + admin decisions logged.
- Lack of transparency in payments → Milestone-linked payment tracking records.
- Fragmented communication → Centralized role-based portal + milestone remarks.
- No unified record → Immutable, versioned logs of all activities.

## 4. Roles (High-Level)

- Admin: manages monuments, tenders, milestones; final approval.
- Inspector: reviews proofs, requests rework.
- Finance: records payment tracking.
- Contractor Org: manages milestones & sub-roles.
- Sub-Roles: Worker (uploads), Financer (financial docs), Supervisor (submits package).
- Read-Only: auditors/public (optional).

Action	Admin	Inspector	Finance	Contractor (Org)	Supervisor	Worker	Financer	
Dashboard	Full access	Review queue	Finance dash	Project view	Milestone queue	Upload tab	Finance tab	L
Monuments	Create/Edit/Import	No	No	No	No	No	No	
Contractors	Assign	No	No	No	No	No	No	
Contracts	Create/Edit	No	No	View only	View only	No	No	
Milestones	Create/Edit	No	No	View only	View only	No	No	
Proofs	No	No	No	Yes	Yes	Yes	Yes	
Milestone	No	No	No	Yes	Yes	No	No	
Milestone	Final approval	Approve/Reject	No	No	No	No	No	

Action	Admin	Inspector	Finance	Contractor (Org)	Supervisor	Worker	Financer	
Payment	View only	View only	Yes	View own	View own	View own	View own	
Mgmt	No	No	No	Yes	No	No	No	
dashboards	Global	Assigned	Finance	Own	Own	Uploads	Finance	
Logs	Full view	Related only	Related only	Related only	Related only	Own only	Own only	

## **5. Milestone Lifecycle Flow**

**Draft:** Admin creates milestone, assigns inspector & finance.

**In Progress:** Contractor team (workers + financier) upload media/docs; supervisor compiles.

**Submitted:** Supervisor submits package.

**Inspector Review:** Approves/rejects/partial approval, requests rework.

**Admin Decision:** Final approval/reject, moves to Finance.

**Finance Update:** Records payment details.

**Rework Cycle:** Contractor resubmits, inspector/admin re-review.

**Closed:** Paid/Partially Paid milestone closed.