

## Resources, Instrumentation & Pilot — Section

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### Section 4 · Resources, Instrumentation & Pilot

#### Make your methods deliverable in the real world

This section turns your approved design into something that can run in real labs, cores and field sites. We map facilities and access, instruments and calibration, consumables and vendors, pilots and parameter optimisation, method validation and costing, plus data capture readiness and chain of custody.

**Service Segment** Charge: Rs 9600

#### Facility & Access Inventory

A single source of truth for where work happens, who unlocks it, and when.

Core, lab and field site directory with contacts and hours

Access requirements such as inductions, badges and trainings

Fee schedules and internal charge codes

Room constraints such as BSL, cleanroom or darkroom

Shared calendar links and blackout windows

Backup and alternate facility options

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**Service Segment** Charge: Rs 9800

Instrument Booking, Calibration & Validation

Keep instruments ready, qualified and bookable with zero surprises.

Booking plan with utilisation targets and buffers

IQ, OQ and PQ qualification documentation

Calibration schedule and certificate archive

Preventive maintenance and service SLAs

Spare parts and consumables list per instrument

Fallback instruments and switchover SOPs

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**Service Segment** Charge: Rs 9200

Consumables BOM & Procurement Tracker

Right item, right spec, right time, traceable from purchase order to bench.

Bill of materials with specs, SKUs and equivalent options

Quote comparison and vendor shortlist

Lead times, minimum order quantity and expiry tracking

Goods received, lot and storage condition logs

Re order thresholds and alert rules

Cost centre mapping and burn rate rollup

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**Service Segment** Charge: Rs 11200

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Pilot Study & Parameter Optimization

Small n pilots to de risk methods before full scale execution.

Design of experiments and titration matrices for parameters

Throughput, time motion and bottleneck analysis

Stability, carry over and drift checks

Mini CRFs, run sheets and operator rehearsal

Acceptance criteria and go or no go gates

Pilot report with recommended settings

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**Service Segment** Charge: Rs 11800

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Method Validation & QA (LOD/LOQ/Precision)

Validation package aligned to discipline standards.

Linearity, range and calibration model selection

Accuracy, recovery and intra or inter day precision

LOD and LOQ estimation approach with justification

Robustness tests across temperature, time and operator

QC charts and control material strategy

Validation summary and sign off checklist

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**Service Segment** Charge: Rs 10400

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Costing, Timelines & Resource Gantt

Plan, cost and schedule with buffers and dependencies clearly visible.

Work breakdown structure of tasks and deliverables

Resource loading against availability overlay

Critical path and slack identification

Monthly burn rate and variance watch

Scenario plans for fast, normal and constrained cases

One page Gantt export in PNG and PDF

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**Service Segment** Charge: Rs 9800

Data-Capture Readiness & Chain-of-Custody

Capture clean data and preserve provenance from day one.

Sample ID schema with barcode or QR implementation

Chain of custody forms for handoffs, timestamps and conditions

Freezer map and storage location registry

Template pack for logs, checklists and labels

Deviation flags and reconciliation workflow

Data handoff to analysis with tidy schema mapping

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