

SECTION 01 32 00
PROGRESS SCHEDULES

PART 1 - GENERAL

1.1 SECTION INCLUDES:

- A. Submittals
- B. Schedule Format
- C. Schedule Content
- D. Schedule Development
- E. Schedule Updates
- F. Progress & Reporting
- G. Milestone Schedule
- H. Power Outage Schedule
- I. Project Schedule

1.2 RELATED SECTIONS:

- A. Section 00 43 73 – Schedule of Values
- B. Section 01 11 00 – Summary of Work
- C. Section 01 29 00 – Applications for Payment
- E. Section 01 33 23 – Shop Drawings, Product Data and Samples (Submittals)

1.3 SUBMITTALS:

- A. Submit Project Schedule to the Owner and Engineer for review and comment as specified below.

1.4 SCHEDULE FORMAT:

- A. Prepare schedules with Critical Path Method Scheduling Software that is compatible with Microsoft Project Software.
- B. Prepare paper or electronic (pdf format) copies of schedule as a horizontal bar chart (Gantt Chart) with a separate bar for each work activity, identifying the first workday of each week.
- C. Sheet size: minimum 8½ x 11 inches.

1.5 SCHEDULE CONTENT:

- A. Coordinate development of schedule with Milestone Schedule activities and dates below, Schedule of Values (Section 00 43 73) and the Project Schedule, if included at the end of this Section.
- B. Show complete sequence of construction activities and Project Milestones with planned Start and Finish dates for each activity and milestone.
- C. Clearly identify Critical Path activities.
- D. Identify, sort and organize work of separate phases, plant areas or other logically grouped activities.
- E. Provide sub-schedules as necessary to define critical elements of the Schedule.
- F. Resource load each activity with budget labor hours (Contractor and each Subcontractor's hours are to be included and separately identified).

1.6 SCHEDULE DEVELOPMENT & SUBMITTAL:

- A. Upon Notice of Contract Award, the Contractors shall prepare and submit a detailed schedule of planned construction progress in accordance with the Format and Content requirements defined above.
- B. The Contractor's schedule is required for coordination of the work with other Prime Contractors and Factory Operations and Maintenance activities.
- C. The Contractor's schedule shall be submitted to the Owner, Engineer and Construction Manager within ten (10) working days after Contract Award or prior to the start of work, whichever is the earliest
- D. A Master Schedule shall be developed for this Project. The Project Master Schedule shall integrate the work of all Prime Contractors on the Project and shall be jointly prepared by the Contractors, Owner, Engineer and Construction Manager.
- E. The Contractor's Schedule shall contain Project Milestone, Procurement, Construction and Startup activities, including Start and Finish dates for the Contractor's activities and those of its Subcontractors. The Project Critical Path shall be clearly identified on the schedule. The Contractor's schedule shall include detailed work sequences, Contractor work interfaces and activity relationships; and shall be resource loaded with budget labor hours corresponding to the Contractor's Schedule of Values.
- F. The Contractor shall be required to attend and participate in up to four (4) working schedule review meetings to develop a comprehensive resource loaded Project Master Schedule. The schedule development meetings shall be attended by representatives of the Contractor, Owner, Engineer and Construction Manager.
- A. The cost to participate in the schedule development meetings shall be included in the Contractor's bid.

- B. After review and comments by the other Contractors, Owner, Engineer and Construction Manager, the Contractor shall revise the schedule as necessary and resubmit it within five (5) working days.
- G. The Project Master Schedule shall be compiled, completed and approved by the Owner, Engineer and Construction Manager a minimum of two (2) weeks prior to the start of construction.

1.7 SCHEDULE UPDATES:

- A. The Contractor shall update the percentage of completion and actual and projected start and finish dates for each schedule activity.
- B. The construction schedule shall be updated weekly, unless approved otherwise by the Owner and Construction Manager.
- C. The Contractor shall clearly identify activities modified since the previous schedule update and submittal.
- C. The Contractor shall provide a narrative description, as necessary, defining problem areas and anticipated delays and their impact on the Project Schedule. Report corrective action taken or proposed, and their effects and the effect of changes on the schedules of separate contractors.

1.8 PROGRESS & REPORTING:

- A. The Contractor shall prepare and submit a Progress Report to the Owner and Construction Manager each week. The weekly period ending day (Friday or Saturday) on which the Progress Reports are to be based and issued shall be mutually agreed upon prior to the start of construction by the Contractor, Engineer, Construction Manager and Owner.
- B. The Progress Report shall contain a detailed listing of budget hours, work progress completed during the reporting period (expressed in percentage complete and earned hours) and actual hours expended by the Contractor and its Subcontractors during the period.
- C. The Contractor shall submit an updated Project Schedule each week with the Progress Report. The schedule submittal shall consist of paper copies, an electronic copy (pdf) and an electronic backup file of the Primavera-compatible schedule.
- D. The actual progress and actual labor shall be compared to the planned progress and labor to assess the status of the Project and determine if any corrective actions are required to meet the Project Schedule dates.

1.9 MILESTONE SCHEDULE:

- A. The project work shall be completed in accordance with the following Milestone Dates:

Bid Package Issued
Pre-Bid Meeting

June 22, 2025
June 25, 2025

Bids Due	July 23, 2025
Award Contract	August 15, 2025
Begin Construction	September 2, 2025
1 st & 2 nd Effect Evaporator Delivery	March 15, 2026
Substantial Completion of Project	June 30, 2026

2.0 UTILITY OUTAGE SCHEDULE:

A. Planned outages:
(Electric power not available in Factory during these dates)

- None Scheduled

End of Section