

Due Date: 5 PM, March 27, 2013

Sealed quotations are invited for purchase of a perpetual license of simulation software having the following capabilities:

Modeling Methods:

System-Dynamics
Agent-Based
Discrete-Event
Multi-Method
Object-Oriented/Hierarchical

Model Development Environment:

Workspace for Multiple Models
Visual Notation for Model Development
(e.g. Libraries, Action Charts, Statecharts, Equations, Events, Functions, Parameters etc.)
Model Code Writing Assistance
(e.g. Auto Code Completion, Pop-Up Context Documentation, Syntax Highlighting, Smart Indents)
Problem Resolution Assistance
Wizard for Creating New Models
Basic Model Debugging
(Inspect Window at Runtime, Tracing, Messages, Step-by-Step Execution)
Professional Model Debugging
(e.g. Breakpoints, Conditional Breakpoints, Watching All Model Variables incl. Java Variables, Expressions Evaluation, Line-by-Line Execution, Java Level Debugging)
Geographic Information System (GIS) Integration
View on Event Queue
Teamwork and Concurrent Version System (CVS) Integration
Sharing Licenses with USB Dongle
CAD Drawing Import

Database Connectivity:

Basic Components: Database (provision for)
Advanced Components (Query, Key Value Table, Insert, Update, Text File)

Libraries:

Enterprise Library
Pedestrian Library
Open Custom Library
Rail Yard Library
Custom Libraries Development

Animation:

Business Graphics

(e.g. Bar Chart, Pie Chart, Stack Chart, Plots, Histograms)

Advanced Controls

(e.g., Check Box, Radio Button, Button, Slider, Edit Box, Box, File Chooser, Combo Box, Progress Bar)

3D animation

Exporting Models:

Simulation Applet (Java Applet)

Simulation Applet with Optimizer

Simulation Application (Standalone Application)

Simulation Application with Optimizer

Experiment Framework:

Simulation Experiment

Optimization Experiment

Parameter Variation Experiment

Compare Runs Experiment

Monte Carlo Experiment

Sensitivity Analysis Experiment

Calibration Experiment

Custom Experiment

TERMS & CONDITIONS:

1) Quotations must mention the CIF IIT Delhi price including all taxes.

2) Quotation can be submitted only by the manufacturing firm or an authorized dealer/distributor. In case of the latter, a letter from the manufacturer must be attached for authenticity as authorized service provider/distributor.

3) If the items are the proprietary items of the firm, a certificate stating the same should also be provided.

4) The institute (IIT Delhi) has a right to accept or reject quotation without assigning reason.

5) Quotation validity: at least 30 days.

The quotation may be submitted to the following **on or before 5 PM on March 27, 2013:**

Dr. Nimesh B.Bolia

Assistant Professor, Department of Mechanical engineering

Room No. 276, Block III,

IIT Delhi, Hauz Khas, 110016, New Delhi