

Details of software			
S. No.	Name of Equipment	Specifications	Remark
1.	MATLAB and SIMULINK (5 User)	<p>MATLAB for numerical computation, visualization, data analysis, developing algorithms, creating models and programming and SIMULINK to support simulation, automatic code generation, and continuous test and verification of embedded systems provided with a graphical editor, customizable block libraries, and solvers for modeling and simulating dynamic systems integrated with MATLAB so as to incorporate MATLAB algorithms into models and export simulation results to MATLAB for further analysis alongwith following tools:</p> <ul style="list-style-type: none"> • Symbolic Math Toolbox • Curve fitting Toolbox • Optimization Toolbox • Neural Network Toolbox • Fuzzy Logic Toolbox • Image Processing Toolbox • Image Acquisition Toolbox 	<p>Quotation invitation – 03.12.2015 Quotation Submission - 18.12.2015, 14:00hrs</p> <p>Quotation Opening – 18.12.2015, 15:00 hrs</p>
2.	Origin LAB Professional Version 2015 (10 User)	<p>Technical Specifications for OriginLab Professional V2015 A Data Analysis and Graphing Software:</p> <p>Data Import & connectivity: Tool must be able to import data directly using drag and drop method from ASCII & Binary files like (TXT ,CSV ,DAT, etc.),Binary and instrument formats,CDF,HDF5,•Data Translation (DCF, HPF),EarthProbe (EPA),Famos (DAT, RAW),ETAS INCA MDF (DAT, MDF),Heka (DAT),JCAMP-DX (DX, DX1, JDX, JCM),NetCDF (NC),NI DIAdem (DAT),NI TDM (TDM),pCLAMP (ABF, DAT),Princeton Instruments (SPE),Somat SIE (SIE),Sound (WAV),SPSS(SAV),Thermo (SPC, CGM) ,EDF (EDF, BDF),MZXML,Software-specific formats like IgorPro (PXP,</p>	<p>Quotation invitation – 03.12.2015 Quotation Submission - 18.12.2015, 14:00hrs</p> <p>Quotation Opening – 18.12.2015, 15:00 hrs</p>

	<p>IBW),KaleidaGraph (QDA),MATLAB (Mat),MATLAB with structured data (Mat),Minitab (MTW, MPJ),Excel (XLS, XLSX, XLSM),TDMS (LabVIEW 2009),GraphPad Prism,Image formats like PNG, GIF, TIF, JPG, BMP, TGA, PCX, PSD, WMF (Convert to Raster)</p> <p>Tool Must be able to handle ASCII data file upto 2GB</p> <p>Tool must be able to access and able to import data from databases like Microsoft access ,Microsoft SQL server etc. and Graphically construct SQL queries, save named SQL,query with workbook or to disk,Define SQL queries in Query Editor, which supports,syntax coloring and LabTalk substitution,Database connecting interface: ADO and ODBC</p> <p>Digitizer: Digitize graphs (get data values for points) that exist as Images,Pre-processing of images: rotate, remove gridlines, clear background,Supported coordinate systems: Cartesian, Polar, Ternary,Auto trace lines: by point, by grids, by area,,Add labels to picked points</p> <p>2D & 3D & Multidimensional Graph: Readily available 2D graph template must include Line – 12 line styles incl. segmented and spline,Scatter - built-in or user-defined symbols</p> <p>Line and Symbol - 4 types,Column/Bar - 10 types including grouped column,plots from indexed data and grouped stacked column</p> <p>Plots,Control column/bar width using dataset,Normalize stacked column/bars to 100%,Area - 9 fill area methods,Bubble/Color Mapped - 3 types,Multiple Panel - 6 types or create your own,Multiple Axes Plot - 6 types or create your own,Pie Chart,Polar (r, theta) or (theta, r), Ternary Diagram, with scale customization and,optional axes direction</p> <p>Smith® Chart,Piper Diagram,Stock Charts: High Low Close, Japanese</p>	
--	---	--

		<p>Candlestick, OHLC Bar Chart, OHLC-Volume, 2D Vector - 2 types: XYXY and X, Y, Angle, Magnitude Stacked lines by Y offsets with customizable offsets, Windrose: raw or binned data, Radar/Spider Chart 2D Function graphs and 2D Parametric Function, graphs for plotting mathematical equations</p> <p>Readily available 3D graph template must include 3D function plot, 3D surface plot, 3D vector plot, 3D bar plot, 3D column plot, 3D scatter plot, 3D parametric function plot, All kind of Statistic Graphs, image graphs, contour graphs</p> <p>Provision shall be available to control the axes scale types linear, natural logarithmic, base 10 logarithmic, probability reciprocal and user defined scales must be available</p> <p>All the graphs template must be easily customised of colour thickness of plot lines, shape, colour & size of data points, legend, title, font, etc, and provision for saving customised templates shall be available</p> <p>Data Analysis: Tool must be able to perform mathematical, statistical and data manipulation operations</p> <p>Tool must be able to perform baseline and peak analyser like peak finding, peak integration, peak fitting</p> <p>Tool must be able to perform Signal processing, filtering using all FFT filters, IIR Filter, 2D FFT filters, STFT, IFT Smoothing, wavelet analysis</p> <p>Tool must be able to perform image processing like convert image to data and vice-versa, plot 3D surface graph from image</p> <p>Tool must be able to perform Curve fitting like linear, non-linear</p>	
--	--	--	--

and polynomial curve fitting and surface fitting using built-in function and user defined functions it shall be able to handle both implicit and explicit functions and tool shall use standard and benchmarked algorithm for curve and surface fitting

Programming: Tool shall have inbuilt programming environment for automating graphing and analysis steps and for customising various functions

Tool shall have programming language like labtalk scripting ,C,C++,integrated python ,Automation (com) server

Data Management and Data Export and presentation: Tool shall be able to save data into project and must be able to retrieve the data and analysis results as and when required

Provision shall be given to export 2D & 3D graphs to any image formats ,vector formats ,PDF, Power point presentation ,Video presentation with highest 1200 DPI resolution Tool must be able to generate customised reports based on various analysis carried out using tool

User interface and performance requirements: User interface of tool should be aesthetically appealing, user friendly and should have easy access to all the functions of the tool, help option explaining usage of each function contained in the tool, search option for finding desired function in the tool etc..

Execution of data analysis and graphing functions of the tool should be considerably fast so as to implement data analysis and graphing functions on a Real Time Basis

Hardware Compatibility: Data Analysis and Graphing tool shall be fully compatible and functional in system having Windows XP,7,8,8.1 for both 32 bit & 64 bit OS,1.5GHz r higher Pentium

		<p>compatible processor,1 Gb RAM or higher,system requirement for the tool shall be provided along with quotation</p> <p>Detailed specifications of the tool clearly bringing-out the compliance to the above specifications ,shall be provided by the bidder along with quotation for the tool</p>	
3.	<p>STATISTICA Ultimate Academic Pack Bundle 05 user for 05 years</p>	<p>□ STATISTICA Base & Advanced.</p> <ul style="list-style-type: none"> ▪ STATISTICA Automated Neural Networks. ▪ STATISTICA Data Miner. ▪ STATISTICA Data Visualization. ▪ STATISTICA Extract, Transform, and Load (ETL) ▪ STATISTICA Process Optimization. ▪ STATISTICA Quality Control (QC) ▪ STATISTICA Reporting Tables ▪ STATISTICA Sequence, Association and Link Analysis ▪ STATISTICA Text Miner ▪ STATISTICA DoE ▪ STATISTICA Variance Estimation and Precision ▪ Rules Builder 	<p>Quotation invitation – 03.12.2015 Quotation Submission - 18.12.2015, 14:00hrs Quotation Opening – 18.12.2015, 15:00 hrs</p>

