



**NATIONAL INSTITUTE OF TECHNOLOGY
RAIPUR – 492 010, CHHATTISGARH**

Single Tender Enquiry

Department: Chemical Engineering

Enquiry No: NITRR/S & P/Prop/CH/2024-25/08/429

Date: 07/06/2024

To,

**M/s Konark Solutions Bangalore Private Limited,
53/3, 9th Cross, Rainbow Garden Layout,
Near Begihalli Bus Stand, Jigani Road,
Bangalore-560105**

Dear Sir,

We intend to purchase the commodities specified in this document and invite quotations in accordance with the terms and conditions detailed in the bid document. If you are interested, kindly send your offer with prices and complete terms within the time mentioned above.

Please send your quotation to:

REGISTRAR
NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR
G. E. ROAD, RAIPUR – 492 010, CHHATTISGARH

Yours sincerely,

**Sd/-
Registrar**

National Institute of Technology,
Raipur

Enclosed:

- (1) Name and specification of the Item.- Annexure 1
- (2) Special Terms & Condition (Optional) - Annexure 2
- (3) General terms and conditions - Annexure 3
- (4) Price Bid Format in INR – Annexure 4
- (5) Price Bid Format in of imported items in currency other than INR -Annexure 5

(Annexure 1)

Name & Specification of the Item**Technical Specification for Graph Plotting and Curve fitting Software****ORIGINLAB PROFESSIONAL SOFTWARE V2024**

S. No	Functions	Specification
1	Data Import & connectivity	Data storing capacity in single worksheet is 2-billion rows and $\geq 94,000$ nos. of columns or parameters. 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, IBW), KaleidaGraph (QDA), MATLAB (Mat), MATLAB with structured data (Mat), Minitab (MTW, MPJ), Excel (XLS, XLSX, XLSM), TDMS (Lab VIEW 2009), Graph Pad Prism, Image formats like PNG, GIF, TIF, JPG, BMP, TGA, PCX, PSD, WMF (Convert to Raster), Axon Binary, Axon Text, ASCII Plain, Comma and general import filter, 1-2-3T, Symphony T, Quattro T, Excel, dBASE E, DIF, Mocha, and ODBC compliant database, SQL queries on tables and selectively import information. Tool must be able to handle ASCII data file upto 2GB 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
2	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,

		Ternar, auto trace lines: by point, by grids, by area, add labels to picked points
3	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 Line and Symbol - 4 types, column/bar - 10 types including grouped column, plots from indexed data and grouped stacked column plots, control column/bar width using dataset, normalize stacked column/bars to 100%, area - 9 fill area methods, bubble/colour 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 Smith® chart, piper diagram, stock charts: high low close, Japanese 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 Chart2D function graphs and 2D parametric function, graphs for plotting mathematical equations, violin plots, subcolumn graphs. smoothing spline, 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 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 All the graphs template must be easily customised of colour thickness of plot lines, shape, colour & size of data points, legend, title, font and provision for saving customised templates shall be available
4	Data Analysis	Tool must be able to perform mathematical, statistical and data manipulation operations. Tool must be able to perform baseline and peak analyser like

		peak finding, peak integration, peak fitting. Tool must be able to perform signal processing, filtering using all FFT filters, IIR filter, 2D FFT filters, STFT, IFT smoothing, wavelet analysis, Global Curve Fitting, one click regression analysis Tool must be able to perform image processing like convert image to data and vice-versa, plot 3D surface graph from image Tool must be able to perform curve fitting like linear, non-linear 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, nonlinear regression, t tests, nonparametric comparisons, one-, two- and three-way ANOVA, analysis of contingency tables, survival analysis
5	Programming	Tool shall have inbuilt programming environment for automatic graphing and analysis steps and for customising various functions, Tool shall have programming language like lab talk scripting, C, C++, integrated python, automation server, Visual Basic compatible programming using built-in macro language interface, Macro recorder to save and play-back operations
6	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.
7	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.
8	Hardware Compatibility	Data analysis and graphing tool shall be fully compatible and functional in system having windows XP,7,8,8.1,10,11 for both 32 bit & 64 bit OS,1.5GHz or higher Pentium compatible processor,1 Gb RAM or higher, system requirement for the tool shall be provided.

3 Perpetual+3 Free Node Locked

Valid License for 12 months.

(Annexure – 2)

Special Terms & conditions (Optional)

NIL

Annexure 3**General Terms & conditions****Instructions to the bidder**

1. The bid should remain valid for a period of 60 days. In case your offer has a different validity period that should be clearly mentioned in the quotation.
Validity period may also be extended without change in bid prices, if required on mutually agreed basis only.
2. **Excise Duty:** The Institute have the Excise Duty exemption certificate.
3. Custom Duty: Institute have the custom duty exemption certificate.
4. Entry Tax: The State of Chhattisgarh charges entry tax on all goods entering the State. Please include it in your quotation as a separate item. Entry Tax will be reimbursed on production of proof of payment.
5. Please address your quotation with all the required documents to “Registrar, NIT RAIPUR (C.G) 492010” and super scribe the envelope “**Quotation for the Department of Chemical Engineering**” Bid may also be sent to through e-mail on or before **27/06/2024**.
6. The bidders should quote their offer/rates in clear terms without ambiguity in attached **Annexure 4 or 5 only**.
7. Technical brochure/catalogue should also be enclosed to support the specification of the items issued by OEM.
8. **Warranty Period:** The warranty period should be minimum 1 year (with spares) until and unless specified differently from the date of installation. For standard items which carry warranty of more than one year, standard warranty shall be applicable.
9. The successful bidder has to furnish “Performance Security of 03% of the ordered value”, in the form of Account Payee Demand Draft, / Fixed deposit and/or unconditional Bank guarantee en-cashable on demand from the Director, NIT, Raipur, from a nationalized Bank with validity period of sixty days beyond the date of completion of all contractual obligations of supplier including guarantee/ warranty obligations. The Performance Security is to be furnished in favour of the Director, National Institute of Technology, Raipur. Payment will be processed only after receipt of the Performance Security.

10. Terms of Payment: The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:

Payment for Goods and Services offered from India/abroad in INR: Payment shall normally be made in Indian Rupees, as follows: 100% payment will be made in account payee cheque or Draft / online Transfer using RTGS to the Supplier within ten (10) days after the successful installation and commissioning of equipments subject to submission of performance security.

Payment for Goods and services offered from abroad in foreign currency:

Payment of foreign currency portion shall normally be made in the currency of contract in the following manner:

On Shipment: Ninety (90) percent of the Contract Price of the Goods shipped shall be paid through irrevocable letter of credit opened in favour of the Supplier in a bank in its country, upon submission of following documents specified as below. Within 24 hours of dispatch, the supplier shall notify the purchaser the complete details of dispatch and also supply following documents by Registered Post/ courier and copies thereof by FAX.

- a) Two copies of supplier's Invoice giving full details of the goods including quantity, value, etc.;
- b) Packing list;
- c) Certificate of country of origin;
- d) Manufacturer's guarantee and Inspection certificate/test report;
- e) Inspection certificate issued by the Purchaser's Inspector, if any.
- f) Insurance Certificate, if required under the contract;
- g) Name of the Vessel/Carrier;
- h) Bill of Lading/Airway Bill;
- i) Port of Loading;
- j) Date of Shipment;
- k) Port of Discharge & expected date of arrival of goods.
- l) H S code of classification of goods.
- m) Any other document(s) as and when required in terms of the contract.

Note:

1. The nomenclature used for the item description in the invoices(s), packing list(s) and the delivery note(s) etc. should be identical to that used in the contract. The dispatch particulars including the name of the transporter should also be mentioned in the Invoice(s)
2. The above documents should be received by the Purchaser before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses.

On Acceptance: Ten (10) percent of the Contract Price of Goods received shall be paid normally within thirty (30) days of receipt of the Goods and successful

installation & commissioning upon submission of claim supported by the acceptance certificate issued by the Purchaser along with the Performance security.

The L/C will be confirmed at the suppliers cost, if requested specifically by the supplier. If L/C is requested to be extended/ reinstated for reasons not attributable to the purchaser, the charges thereof would be to the suppliers' account. All bank charges in India to the account of the opener and all bank charges outside India to the account of the beneficiary. Payment of local currency portion shall be made in Indian Rupees normally within thirty (30) days of presentation of claim supported by a certificate from the Purchaser declaring that the Goods have been delivered and that all other contracted Services have been performed. The LC for 100% value of the contract shall be established after deducting the agency commission payable, if any to the Indian agent from the CIF value.

11. **Delivery period:** Delivery should be made within 150 days from the date of order of placement of goods offered from India or opening of the LC in case of goods offered from abroad. However early delivery shall be appreciated.
12. Any disputes arising out of this enquiry shall be dealt in the Raipur jurisdiction.
13. Bidder need to submit the following certificates along with the quotation:
 - Proof of establishment of Firms/shop/business/ manufacturing unit etc. and Dealership certificate from the principals etc.
 - Proof of **GST** registration as per applicability.
 - Photocopies of the latest purchase orders received from IITs/NITs/any central govt. organization/State Govt. Organization/reputed private sector organization for the offered item.
 - Authorization certificate from Principal
 - Propriety Certificate stating that they are the only source of supply/ Manufacturer.
 - Proof of PAN
 - User list IITs/NITs/Central govt. organization/ State Govt /reputed private sector Organization for the offered item.
 - Any other relevant document, if any

14. Clearance & delivery

On arrival of shipment/consignment, the supplier is required to arrange custom clearance and transportation of the consignment up to NIT RAIPUR premises. The expenses incurred will be reimbursed on actual basis not exceeding the quoted amount. The custom duty, demurrage (in case of delay in release of custom duty to the custom department by NIT Raipur) and government taxes/levies (if any) will be paid extra by the buyer after as per term of payment. Please note that the State of Chhattisgarh may charge entry tax on all goods entering the State. This may be included in your quotation as a separate item. Entry Tax will be reimbursed on production of proof of payment. Principals will themselves have to procure any requisite permission from the Govt. of country of origin of equipment.

15. Agency Commission/other charges

Agency commission or other charges, if any should be clearly mentioned by the Bidder and will be paid in Indian Currency. Please note that actual reimbursement will not exceed the quoted amount in any circumstances.

Sd/-
Registrar
NIT-Raipur

Annexure-4

Price Schedule form: Price Schedule for Goods Being Offered from India/Abroad in INR
(Separate form to be used for each item offered)

Name of the Bidder:

Name & Model No. of offered item:

Tender Enquiry No.:

Sr. No.	Details	Price per Unit in INR
1.	Ex-works, Ex-warehouse, Ex-show room off the shelf price	
2.	Custom Duty** payable if any	
3.	Excise duty** payable, if	
4.	GST taxes mentioned as under:	
	TAXES	GST Percentage
	CGST	
	SGST	
	IGST	
5.	Any other tax & duty if any	
6.	Packing & forwarding up to station of dispatch, if any	
7.	Charges for inland transportation, insurance to ultimate destination i.e. NIT, Raipur, if any	
8.	Installation, Commissioning and training Charges, If any	
9.	Any other charges (Please specify)	
Total Price (Sum of Sr. No. 1 to 9) FOR NIT RAIPUR		

** NIT Raipur have custom Duty/excises Duty exemption certificate.

Total Bid price in Indian currency: -----

Bid Price In words: -----

Note: The cost of optional items may be indicated separately.

Seal & Signature of Bidder

Annexure-5

Price Schedule Form: Price schedule for goods being offered from abroad in currency other than INR

(Separate form to be used for each item offered)

Name of the Bidder:

Name & Model No of offered item:

Tender Enquiry No.:

Sr. No	Details	Price per unit in ()												
1.	Country of origin													
2.	FOB (named port of shipment) Or FCA (named place of delivery)													
3.	Freight and Insurance up to Indian Airport/port													
4.	Total Price at Indian Airport /port (2+3)													
5.	**Custom charges /Duty (please mentioned %)													
6.	GST taxes mentioned as under:													
	<table> <tr> <th>TAXES</th><th>GST Percentage</th><th>Amount</th></tr> <tr> <td>CGST</td><td></td><td></td></tr> <tr> <td>SGST</td><td></td><td></td></tr> <tr> <td>IGST</td><td></td><td></td></tr> </table>	TAXES	GST Percentage	Amount	CGST			SGST			IGST			
TAXES	GST Percentage	Amount												
CGST														
SGST														
IGST														
7.	Custom clearance and other charges if any (with breakup)													
8.	Inland Charges for Insurance & transportation to NIT Raipur													
9.	Installation, commissioning, and training Charges, if any													
10.	If any other charges (Please Specify)													
11.	Total Price (FOR NIT Raipur) (a) in foreign currency: (b) In INR (Sum of Sr. No. 1 to 10)													
Total Charges in INR														

**** NIT Raipur have custom Duty /excises Duty exemption certificate.**

Total Bid price in foreign currency: -----

Total Bid Price in Foreign currency words: _____

(a) Indian agents name & address _____

(b) The cost of optional items shall be indicated separately-----

(c) Cost/Charges in INR wherever applicable should be mentioned separately

Seal & Signature of Bidder