REQUEST FOR QUOTATION
LOCAL PURCHASE SECTION

RFQ NUMBER	: 2332501457
DATE	: 10.06.2025
REQ No	: 1032406208
REQ TITLE	: DD-Modeling Software
DELIVERY LOCATION	
CLOSING DATE	: 19.06.2025
CLOSING TIME	: 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
1		ITEM-00001	NUMERIC COMPUTING PLATFORM TO ANALYZE DATA, DEVELOP ALGORITHMS, ANDCREATEMODELS TO EXECUTE ON PHIL REAL TIME SIMULATORS. LIVE EDITOR FOR CREATINGSCRIPTS THAT COMBINE CODE, OUTPUT, AND FORMATTED TEXT IN AN EXECUTABLENOTEBOOK. MODEL - DATA ANALYSIS, GRAPHICS, PROGRA MMING, HARDWARECONNECTIONS, PARALLEL COMPUTING.	2	AU				
2		ITEM-00001	BLOCK DIAGRAM ENVIRONMENT FOR MULTIDOMAIN SIMULATION AND MODEL-BASEDDESIGN TO ENHANCE THE PHIL REAL TIME SIMULATOR AND DATA ANALYTIC SPROJECTS.IT SUPPORTS SYSTEM-LEVEL DESIGN, SIMULATION, AUTOMATIC CODE GENERATION,ANDCONTINUOUS TEST AND VERIFICATION OF EMBEDDED SYS TEMS WITH GRAPHICALEDITOR,CUSTOMIZABLE BLOCK LIBRARIES, AND SOLVERS FOR MODELING AND SIMULATINGDYNAMICSYSTEMS. IT IS INTEGRATED WITH RT-LAB, ARTEMIS, MATLAB ETC.	2	AU				

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3		ITEM-00001	SIMULATION CODER - GENERATES C AND C++ CODE FOR A VARIETY OF HARDWAREPLATFORMS INCLUDING OPAL RT, FROM DESKTOP SYSTEMS TO EMBEDDED H ARDWARE.ITSUPPORTS MOST OF THE LANGUAGES AND A WIDE RANGE OF TOOLBOXES.	2	AU				
4		ITEM-00001	REAL-TIME WORKSHOP GENERATES AND EXECUTES C AND C++ CODE FROM SIMULINKMODELS, STATEFLOW CHARTS, AND MATLAB FUNCTIONS FOR REAL TIME S IMULATIONOFPOWER SYSTEMS AND POWER ELECTRONICS RESEARCH.	2	AU				
5		ITEM-00001	MULTI BODY SIMULATION MODULE: MULTIBODY SIMULATION MODULE PROVIDES AMULTIBODY SIMULATION ENVIRONMENT FOR THREE-DIMENSIONAL MECHANICA LSYSTEMS,SUCH AS ROBOTS, VEHICLE SUSPENSIONS, AND CONSTRUCTION EQUIPMENT. YOUMODELMULTIBODY SYSTEMS BY ASSEMBLING BLOCKS REPRESENTIN G BODIES, JOINTS, ANDFORCEELEMENTS INTO A SCHEMATIC.IT PROVIDES SPECIALIZED SOLVERS FOR PHYSICAL SYSTEM, ENABLING	2	AU				

MATERIAL AND OR SERVICE PROVIDED TO DEWA SHOULD PREFERABLY BE ENERGY EFFICIENT AND ENVIRONMENT FRIENDLY.

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			ACCURATESIMULATION FOR MULTI-DOMAIN SYSTEMS WITH INTERACTIONS BETWEEN VARIOUSPHYSICALDOMAINS.						
6		ITEM-00001	MODEL AND SIMULATE ELECTRONIC, MECHATRONIC, AND ELECTRICAL POWERSYSTEMS.SIM POWER SYSTEMS AND SIM ELECTRONICS PROVIDES COMPONENT LIB RARIES FORMODELING AND SIMULATING ELECTRONIC, MECHATRONIC, AND ELECTRICAL POWERSYSTEMS.IT INCLUDES MODELS OF SEMICONDUCTORS, MOTORS, AND COMPONENTS FORAPPLICATIONSSUCH AS ELECTROMECHANICAL ACTUATION, SMART GRIDS, AND RENEWABLE ENERGYSYSTEMS. YOU CAN USE THESE COMP ONENTS TO EVALUATE ANALOG CIRCUITARCHITECTURES, DEVELOP MECHATRONIC SYSTEMS WITH ELECTRIC DRIVES, ANDANALYZETHE GENERATION, CONVERSI ON, TRANSMISSION, AND CONSUMPTION OF ELECTRICALPOWERAT THE GRID LEVEL	2	AU				
7		ITEM-00001	STATE TRANSITION DIAGRAMS MODULE:IT	2	AU				

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			PROVIDES A GRAPHICAL LANGUAGE THAT INCLUDES STATE TRANSITIONDIAGRAMS, FLOWCHARTS, STATE TRANSITI ON TABLES, AND TRUTH TABLES. YOU CAN USE THEMODULE TODESCRIBE HOW ALGORITHMS AND MODELS REACT TO INPUT SIGNALS, EVENTS, ANDTIMEBASED CONDITIONS.THE MODULE ENABLES YOU TO DESIGN AND DEVELOP SUPERVISORY CONTROL, TASKSCHEDULING, FAULT MANAGEMENT, COMMUNICATION PROTOC OLS, USER INTERFACES,AND#HYBRID SYSTEMS.WITH THIS MODULE YOU MODEL#COMBINATORIAL AND SEQUENTIAL DECISION LOGICTHATCAN BE SIMULATED A S A#BLOCK WITHIN A ELECTRICAL MODEL#OR#EXECUTED#ASAN#OBJECTIN THE MODELING PLATFORM. GRAPHICAL ANIMATION ENABLES YOU TO ANALYZE ANDD EBUG YOUR LOGIC WHILE IT IS EXECUTING. EDIT-TIME AND RUN-TIME CHECKSENSUREDESIGN CONSISTENCY AND COMPLETENESS BEFORE IMPLEMENTATION.						

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8		ITEM-00001	NO-LINEAR OPTIMIZATION MODULE BOX FOR PHIL SIMULATION WITH OPAL RTSIMULATOR:IT PROVIDES FUNCTIONS FOR FINDING PARAMETERS THAT MINIMI ZE OR MAXIMIZEOBJECTIVES WHILE SATISFYING CONSTRAINTS. THE TOOLBOX INCLUDES SOLVERSFOR LINEARPROGRAMMING (LP), MIXED-INTEGER LINEAR PROGRAMMING (MILP), QUADRATICPROGRAMMING (QP), SECOND-ORDER CONE PROGRAMMING (SOCP), NONLINEARPROGRAMMING (NLP), CONSTRAINED LINEAR LEAST SQUARES, NONLINEAR LEASTSQUARES,AND NONLINEAR EQUATIONS.	2	AU				
9		ITEM-00001	NONSMOOTH OPTIMIZATION MODULE BOX:RESOLVE MULTIPLE MAXIMA OR MINIMA PROBLEMS. SOLVERS INCLUDE SURROGATE,PATTERN SEARCH, GENETIC ALGO RITHM, PARTICLE SWARM, SIMULATED ANNEALING,MULTISTART, AND GLOBAL SEARCH.	2	AU				
10		ITEM-00001	COMMUNICATIONS SYSTEM TOOL MODULE:IT PROVIDES ALGORITHMS, APPS, AND SCOPES FOR DESIGNING, SIMULATING, ANDANALYZING SIGNAL	2	AU				

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			PROCESSING SYSTEMS IN MODELING PLATFORMS. YOU CAN MODELREAL-TIME DSP SYSTEMS FOR COMMUNICATIONS, RADAR, AUDIO, MEDICAL DEVICES,IOT,AND OTHER A PPLICATIONS.DESIGN AND ANALYZE FIR, IIR, MULTIRATE, MULTISTAGE, AND ADAPTIVEFILTERS. YOUCAN STREAM SIGNALS FROM VARIABLES, DATA FILE S, AND NETWORK DEVICES FORSYSTEMDEVELOPMENT AND VERIFICATION. THE TIME SCOPE, SPECTRUM ANALYZER, ANDLOGICANALYZER LET YOU DYNAMICALL Y VISUALIZE AND MEASURE STREAMING SIGNALS.						

TOTAL AMOUNT IN WORDS: TOTAL AMOUNT:

SPECIAL NOTES / INSTRUCTIONS:
Modeling Software

STANDARD TERMS & CONDITIONS

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1) Prices should be 'DDP' delivery duty paid at DEWA stores.

2) Quotation to be submitted only in local currency U.A.E Dirhams

3) DEWA Standard payment terms is '30 days credit' from the date of acceptance of material

4) No DEWA staff or his or her relatives up to third degree should have ownership or partnership in your company, and your participation in DEWA tenders / RFQs should not constitute a Conflict or perceived Conflict of Interest.

5) The offered product and/ or services in the Quotation, shall be conforming and in accordance with DEWA Energy Management Policy & EnMS Manual.

SUPPLIER'S REMARKS :

SUPPLIER'S SIGNATURE AND STAMP

DISCLAIMER : THIS IS A SYSTEM GENERATED DOCUMENT , DOSEN'T NEED SIGNATURE.