

Ref. No.: NITUK/C.Store/2016-17/3517

Date:17.03.2017

## **ORDERS TO BE PLACED UNDER PROPRIETARY CERTIFICATE**

National Institute of Technology Uttarakhand is going to place order for following software(s) under proprietary article basis. Objection if any, in this regard is called to [nituttarakhandstores@gmail.com](mailto:nituttarakhandstores@gmail.com) from party/organization latest by the dated 23.03.2017 on or before 5.00 pm.

In case of no objection order will be placed.

S.No.	Item	Party (Proprietary)	Qty. reqd.	Specification
1.	ANSYS Academic Software (Mech. & CFD)	ANSYS Software Pvt. Ltd. Kabra Excelsior, 3 <sup>rd</sup> Floor, #6/A, 7 <sup>th</sup> Main, 1 <sup>st</sup> Block, Karamangala, Bangalore – 560034 India	01	As per Annexure – I attached
2.	CATIA Academic Software (Solid Modelling Software)	Dassault Systemes India Pvt. Ltd., 12 <sup>th</sup> Floor, Building No. 10C, DLF Cyber City, Phase – II, Gurgaon – 122002, India	01	As per Annexure –II attached
3.	MATLAB Software	Math Works India Pvt. Ltd., 9 <sup>th</sup> Floor, B-Wing, Etamin Block, Prestige Tech Part II, Marathahalli-Sarjapur, Ring Road, Bangalore-560103	01	As per Annexure – III attached

Sd/-

Registrar

# Annexure I

## **SPECIFICATIONS:-**

- ANSYS Design Space
- ANSYS Mechanical/Structural
  - Thermal Analysis
  - ANSYS Rigid Dynamics (Rigid Body Dynamics)
- ANSYS AutoDyn(2D & 3D)
- ANSYS CFX Full Capability Solver
- ANSYS MFS Solver (Single code coupling)
- ANSYS MFX Solver (Fluid Structural Interaction)
- ANSYS Mechanical User Programmable Features (USER300 & related commands)
- ANSYS Fluent
- ANSYS Fluent NOx
- ANSYS Fluent Fiber Module
- ANSYS Fluent Population Balance Module
- ANSYS Polyflow
- ANSYS Ice Pack
- ANSYS Forte
- ANSYS AQWA SuiteMCAD Geometry Interfaces: -
  - Neural File Import (IGES, STEP)
  - ANSYS Geometry Interface for Parasolid
  - ANSYS Geometry Interface for SAT
  - ANSYS Geometry Interface for Solidworks
  - ANSYS Geometry Interface for CATIA V5 Reader
  - ANSYS Geometry Interface for CATIA V6 Reader
  - ANSYS Geometry Interface for SolidEdge
  - ANSYS Geometry Interface for Autodesk
  - ANSYS Geometry Interface for NX
  - ANSYS Geometry Interface for Creo Parametric
  - ANSYS Geometry Interface for Creo Elements/Direct Modeling (One Space)
  - ANSYS Geometry Interface for JT
  - ANSYS Direct CAD interface for SDRC I-DEAS (use with ICEM CFD only) Pre & Post Processing
- Features & Work Bench Applications: -
  - ANSYS Academic SpcaeClaim tool
  - ANSYS PrepPost (Includes ANSYS M-APDL Prep7, Post1)
  - Workbench Schematic (Project Page)
  - ANSYS DesignModeler
  - ANSYS Workbench Meshing
  - ANSYS Workbench Extended Meshing (Including TGrid).
  - ANSYS DesignXplorer
    - ANSYS Workbench Mechanical Application (Simulation)
  - ANSYS Workbench Resources (Engineering Data)
  - ANSYS Workbench Design Point Updates
  - ANSYS CFX-Pre

- ANSYS CFD-Post
- ANSYS Fluent Prep & Post
- ANSYS ICEM CFD Meshing
- ANSYS ICEM output interfaces for ANSY
- Parametric Variational Technology (VT) at the element level
- ANSYS Fatigue Module
- ANSYS FEModeler
- FEModeler - Mesh Morpher
- ANSYS Composite Pre & Post
- ANSYS Autodyn Pre & Post
- ANSYS Polydata
- ANSYS Customization Suite
- ANSYS OptiGrid (For use with FENCsAP-ICE, ENCsAP-TURBO)
- ANSYS Turbogrid
- ANSYS Blade Modeler
- ANSYS EKM Individual Solver Numerical Limits

## ANNEXURE-II

### Essentials

(UXK-P) CP6 3DVIA Companion for Composer  
CPF ENOVIA Live Collaboration  
EH6 CATIA Companion for 3D Electrical Design  
EL6 CATIA Companion for Systems Logical Electrical Design  
FP6 CATIA Companion for Fabricated Part Design  
IM6 CATIA Companion for Imagine & Shape  
LI6 ENOVIA Companion for 3DLive  
LS6 CATIA Companion for Live Shape  
MD6 CATIA Companion for Mechanical Design  
MS6 CATIA Companion for Mechanism Simulation  
MSF ENOVIA Collaboration for Microsoft  
MT6 DELMIA Companion for Prismatic Machining  
PG6 DELMIA Companion for Process Planning  
PGE ENOVIA Program Experience  
PP6 CATIA Companion for Plastic Part Design  
PR6 ENOVIA Companion for Program Central  
SA6 CATIA Companion for Systems Architecture Design  
ST6 CATIA Companion for Structural Analysis  
SU6 CATIA Companion for Mechanical Surface Design  
TBE ENOVIA Team BOM Editor  
TD6 CATIA Companion for Systems Logical 3D Architecture  
DSB 3DVIA Navigation Builder Extension  
LMR SIMULIA Live MSR Navigator  
LVS ENOVIA Live SmarTeamV5 Connector Product  
LVT ENOVIA Live  
VPM Team Central Connector  
PJR ENOVIA VPM Project Resources Administration  
RFL ENOVIA RFLP Live Navigator  
V5C ENOVIA VPM CATIA V4 & V5 Design Coexistence  
LIV ENOVIA 3DLive  
DPX CATIA Automated Design Process Execution  
IMS CATIA Imagine & Shape  
MSI CATIA Mechanism Simulation  
TDD CATIA 3D Design  
LAS DELMIA Live Assembly  
MIM DELMIA Milling Machining  
MTM DELMIA Prismatic Machining  
RTD DELMIA Robot Task Definition  
TUM DELMIA Turning Machining  
UDS SIMULIA DesignSight Structure  
LSI ENOVIA Live Similarity

LVA ENOVIA Live Validation  
PIC ENOVIA VPM Interference Check  
VND ENOVIA  
VPM On-The-Go VOC ENOVIA  
VPM Volume Computation  
VTC ENOVIA VPM Team Central Design & Engineering (UXD-P)  
CEG CATIA Composites Engineering  
DIS CATIA Distiller  
DPC CATIA Automated Design Process Creation  
FPD CATIA Fabricated Part Design  
IDR CATIA Industrial Design Refinement  
KWA CATIA Knowledge Advisor  
KWE CATIA Knowledge Expert  
MCE CATIA Mechanical Product Creation  
PEO CATIA Product Engineering Optimizer  
PKT CATIA Product Knowledge Template Definition  
PPD CATIA Plastic Part Design  
PTD CATIA Piping & Tubing Design  
REN CATIA Rendering  
REV CATIA Reverse Engineering  
SFD CATIA Structure Functional Design  
SUR CATIA Mechanical Surface Design  
TOL CATIA 3D Tolerancing& Annotation  
ASH CATIA Aerospace Sheetmetal  
BIW CATIA Body in White Modeling  
CFD CATIA Cast & Forged Part Design  
CFM CATIA Composites Fiber Modeler  
CMP CATIA Composites Manufacturing Preparation  
EFB CATIA Wire Harness Documentation & Formboard  
EGD CATIA Systems Generative 3D Electrical  
EHD CATIA 3D Electrical Design  
FCB CATIA Flexible Circuit Board  
FSD CATIA Freestyle Design  
FSR CATIA Fastener Design  
GSO CATIA Generative Shape Optimizer  
IEX CATIA  
ICEM Shape Design Expert  
ISH CATIA ICEM Shape Design  
JTD CATIA Jigs and Tooling Design  
MOT CATIA Mold Tooling Design  
PCB CATIA Electro-Mechanical Circuit Board  
PTA CATIA Systems Generative Piping & Tubing  
RSO CATIA Realistic Shape Optimizer  
SDD CATIA Structure Detailed Design  
TDR CATIA 3D Re-Use Manufacturing & Production (UXM-P)

ARW DELMIA Robotics Arc Welding  
EGA DELMIA Ergonomics Analysis  
EGE DELMIA Ergonomics Evaluation  
EMM DELMIA Extended Milling Machining  
ETD DELMIA Ergonomics Task Definition  
EVD DELMIA Ergonomics for Vehicle Design  
MDB DELMIA Mechanical Device Builder  
NMB DELMIA NC Machine Builder  
NMS DELMIA NC Machine Simulation  
RLT DELMIA Resource Layout  
APS DELMIA Assembly Process Simulation  
BPP DELMIA Fastener Process Planning  
CTA DELMIA Custom Time Analysis  
MPP DELMIA Manufactured Product Planning  
PRE DELMIA Process & Resource Editor  
PRP DELMIA Process Planning  
PSS DELMIA Production System Simulation  
ROP DELMIA Robotics Offline Programming  
RSW DELMIA Robotics Spot Welding  
RVC DELMIA Robotics Virtual Commissioning  
SPG DELMIA Global Production System Planning  
WKI DELMIA Work Instructions Planning

### ANNEXURE - III

Description	Specifications	Quantity Required
MATLAB SUITE OF PRODUCTS	<p>System should contain:</p> <ol style="list-style-type: none"> <li>1. MATLAB</li> <li>2. SIMULINK</li> <li>3. Control System Toolbox</li> <li>4. Communication System Toolbox</li> <li>5. Signal Processing Toolbox</li> <li>6. DSP System Toolbox</li> <li>7. Image Processing Toolbox</li> <li>8. Computer Vision System Toolbox</li> <li>9. Sim Scape</li> <li>10. Sim Scape Power systems</li> <li>11. MATLAB Coder</li> <li>12. SIMULINK Coder</li> <li>13. Embedded Coder</li> <li>14. Fixed Point Designer</li> <li>15. Curve Fitting Toolbox</li> <li>16. Fuzzy Logic Toolbox</li> <li>17. Neural Network Toolbox</li> <li>18. Data Acquisition Toolbox</li> <li>19. HDL Coder</li> <li>20. Image Acquisition Toolbox</li> <li>21. Partial Differential Equation Toolbox</li> <li>22. SIMULINK Control Design</li> <li>23. Sim Scape Electronics</li> <li>24. Statistics and Machine Learning Toolbox</li> <li>25. Wavelet Toolbox</li> <li>26. Audio System Toolbox</li> <li>27. Optimization Toolbox</li> <li>28. Global Optimization Toolbox</li> <li>29. Bioinformatics Toolbox</li> <li>30. Instrument Control Toolbox</li> <li>31. Stateflow</li> <li>32. Antenna Toolbox</li> <li>33. Mapping Toolbox</li> <li>34. MATLAB Compiler SDK</li> <li>35. MATLAB Compiler</li> <li>36. MATLAB Distributed Computing Server</li> <li>37. RF Toolbox</li> <li>38. Robotic System Toolbox</li> <li>39. Robust Control Tool Box</li> <li>40. Model Predictive Control Tool Box</li> <li>41. SIMULINK Code Inspector</li> <li>42. SIMULINK Design Optimization</li> <li>43. SIMULINK PLC Coder</li> <li>44. SIMULINK Real Time</li> <li>45. SIMULINK Verification &amp; Validation</li> <li>46. Vision HDL Toolbox</li> <li>47. WLAN System Toolbox</li> <li>48. Parallel Computing Toolbox</li> <li>49. HDL Verifier</li> <li>50. Symbolic Math Toolbox</li> </ol>	Unlimited users