



UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES

Alubijid | Balubal | Cagayan de Oro | Claveria | Jasaan | Oroquieta | Panaon | Villanueva

OFFICE OF THE BIDS AND AWARDS COMMITTEE IV

BID FORM

NAME OF THE PROJECT : **PROPOSED PROCUREMENT OF THE SUPPLY AND DELIVERY OF FLUID FLOW SIMULATION SOFTWARE FOR BUILT ENVIRONMENT LABORATORY AT USTP-CDO CAMPUS CY 2025**

APPROVED BUDGET OF CONTRACT : **ONE MILLION SIX HUNDRED THREE THOUSAND SEVEN HUNDRED FIFTY-SEVEN PESOS AND 00/100 (P1,603,757.00) ONLY**

BRIEF DESCRIPTION : **SUPPLY AND DELIVERY OF FLUID FLOW SIMULATION SOFTWARE FOR BUILT ENVIRONMENT LABORATORY AT USTP-CDO CAMPUS CY 2025**

SOURCE OF FUND : **EFP (DOST-IDP) CY 2025**

CONTRACT DURATION : **FIFTEEN (15) CALENDAR DAYS (ONE LOT)**

ITEM NO.	DESCRIPTION/SPECIFICATIONS	QTY	UNIT	USTP APPROVED UNIT PRICE	UNIT PRICE	AMOUNT
1	FLUID FLOW SIMULATION SOFTWARE PERPETUAL LICENSE › MULTIPHYSICS CAPABILITIES – The software handles a wide range of fluid-related phenomena, including laminar and turbulent flow, combustion, chemical reactions, heat transfer, and phase change. – It also supports simulations for fluid-structure interaction (FSI), acoustic simulations, and electromagnetics for coupled analyses. › COMPLEX FLOW MODELING – Turbulent Flow: Various turbulence models, such as k-ε, k-ω, and LES (Large Eddy Simulation), which help simulate turbulence in both industrial and natural systems. – Multiphase Flow: Simulate fluid flows involving multiple phases (e.g., gas-liquid, solid-liquid), crucial for processes like oil drilling, chemical reactors, and slurry transport. – Reynolds Averaged Navier Stokes (RANS) equations are typically used, but it also offers more advanced methods like Direct Numerical Simulation (DNS) for highly complex flows. › HEAT TRANSFER – It can simulate both conduction and convection heat transfer, including radiation, in both steady-state and transient conditions. › CUSTOMIZATION AND AUTOMATION – Allows users to write custom functions to introduce complex physical phenomena or to automate simulations for large-scale problems. – It has an extensive scripting interface (Python and Scheme) that allows for process automation, improving efficiency.	1	lic.	1,603,757.00	P	P

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	) SOLVER TECHNOLOGY – Solvers are highly flexible, capable of handling steady-state and transient flow simulations. – The software uses both pressure-based and density-based solvers, depending on the type of flow being analyzed.) SIMULATION ENVIRONMENT – A user-friendly graphical interface for setting up and running simulations. It also allows for mesh generation and post-processing with built-in visualization tools.					
TOTAL P						

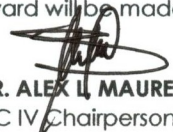
Total Bid Price in Figure: _____

Total Bid Price in Words: _____

Name and Signature of Bidder: _____

All bid proposals must be sealed in envelopes properly labeled and submitted to this University on or before the deadline of submission of bids, **NOVEMBER 24, 2025, 01:30 P.M. (MONDAY)** at the Procurement Services, 2nd Level Gymnasium Lobby, University of Science and Technology of Southern Philippines, C.M. Recto Ave., Lapasan Cagayan de Oro City.

The University of Science and Technology of Southern Philippines assumes no responsibility whatsoever to compensate or indemnify bidders for any expenses incurred in the preparation of the bid. The USTsP neither assumes any obligation for whatsoever losses that the bidders may incur in the preparation on their bids nor guarantee that an award will be made.


ENGR. ALEX L. MAUREAL
 BAC IV Chairperson