



## **BIDS AND AWARDS COMMITTEE**

### **Bid Bulletin No. 1 for 15<sup>TH</sup> Public Bidding CY2022**

- A. Supply and Delivery of Various Promotional Materials: Umbrella, Executive Coat, Jeepney Miniatures and USB- On the Go under the Locally Funded Project-PCECP

#### **1. Requirement for Single Largest Completed Project (SLCC)**

Completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least fifty percent (50%)” of the ABC for this Project; and the largest of these similar contracts must be equivalent to at least half of the percentage of the ABC as required above.

The contracts similar to the Project shall be:

- a. Supply and delivery of office promotional materials
- b. completed within three (3) years prior to the deadline for the submission and receipt of bids

The period covered for SLCC is increased from two (2) years to 3 Years

#### **2. Technical Specifications**

Item No. 1

##### **Umbrella Automatic 21” 3-Fold**

Specifications:

- Type: Folding (3-Folds)
- Size: 21”
- **Material: Waterproof fabric, double layer with different color for outer and inner layer**
- Proofing: Windproof & waterproof (water repellent fabric)
- Handle: Straight, ABS Material
- **Features: Automatic Open and Automatic Close**
- Colors: Black or Gray
- Printed Logos: DOE and PCECP Logo on opposite panel
- Post and Rib Materials: Black Fiber Glass with Built in Tips
- No. of Rib Section: Three (3)
- No. of Rib: At least Eight (8)
- **Packaging: Similar materials with the canopy fabric**



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**Umbrella Automatic 23" 3-Fold**

Specifications:

- Type: Folding (3-Folds)
- Size: 23"
- **Material: Waterproof nylon fabric, double layer with different color for outer and inner layer**
- Proofing: Windproof & waterproof (water repellent fabric)
- Handle: Straight, ABS Material
- **Features: Automatic Open and Automatic Close**
- Colors: Black or Gray
- Printed Logos: DOE and PCECP Logo on opposite panel
- Post and Rib Materials: Black Fiber Glass with Built in Tips
- No. of Rib Section: Three (3)
- No. of Rib: At least Eight (8)
- **Packaging: Similar materials with the canopy fabric**



**Item No. 2. Executive Coat (Blazer)**

**NONE**



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**Item No. 3**

**USB- OTG (4-in-1)**

**Specification:**

- At least 128 GB
- Durable and High Quality
- Connections: Lightning, Micro, Type-C, and USB (4-in-1)
- Packaging: Must be on a **paper** box printed with DOE and PCECP Logo and foam inside.

**B. Supply and Delivery of Petroleum Static and Dynamic Modelling Software with Capacity Building**

**1. Technical Specifications:**

**- Provision for Black Oil Simulation**

Must include simulations of light oil and gas production. It must support all industry standard functionality including live oil, dead oil, and gas.

- oGeneral mesh formulation, corner point, generalized corner point, unstructured grids.
- oDual porosity, dual permeability, triple porosity
- o3-phase relative permeabilities with end-point scaling, gravity, capillary effects, saturation, PVT, equilibrium regions
- oAPI tracking, gravity drainage, nano-polymer flooding, desalination, geothermal, geochemistry.
- oTracer analysis, waterflood optimization, aquifers, waters with different salinities
- oPolymers, surfactants, ASP injection, polymers
- o**Support surfactant microemulsion**
- oHysteresis, diffusion, adsorption, desorption
- oExtensive support of hydraulic fractures
- oMulti-segment wells, group controls, aquifers; extended surface network option
- oAbility to couple natively to external network simulator without the need of an Integrator
- oTemperature extension of black oil to model the injection of cold or hot water
- oFully implicit and adaptive implicit algorithms
- oReservoir coupling
- oPattern Flood Management for water injection schedule optimization
- oCPU + GPU processors for faster calculation
- oAdvanced Completion Optimizer for automatic flow control valve



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- **Provision for Assisted History Match**  
Must allow the user to conduct history matching and treat any parameter as a variable with a range of uncertainty or as an arithmetic expression.
  - o Capable of the following designs: tornado, latin hypercube, grid search,
  - o Monte-Carlo
  - o Optimization algorithms
  - o 3D discrete cosine transform algorithm **or equivalent**
  - o Arbitrary objective function, user-defined functions
  - o Capable of the following analytics: stacked plots, Pareto charts, multidimensional scaling, clusterization
  - o P10, P50, P90 and other quantiles
  - o Forecast optimization, optimization of well position and trajectory
  - o Calculations on workstation or cluster
  - o RFT/PLT mismatch analysis and optimization
  
- **Provision for Model Designer**  
Must allow the user to create dynamic model and perform local editing, updating and maintenance of the simulation model.
  - o Loading grid in standard formats : RESQML v2 industry format (EPC, .h5), .GSG, .EGRID,.GRID
  - o Rock properties
  - o Equilibrium and non-equilibrium initialization
  - o Loads and edits well history and events in table form. Pre-defined rules for tables calculation and recalculation
  - o Development strategy
  - o Support Excel input for development and scheduling of field management
  - o Field development planning, restart and forecast scenarios, handling of multiple simulation cases in one project
  - o 2D and 3D visualization, histograms, cross plots, graphs
  - o Initialization and modeling of tilted fluid contact from map
  - o Interaction well trajectory design and optimization
  - o Well trajectory planning and integration with drilling domain
  - o Automated production and dynamic model update from production database and auto mismatch analysis **or equivalent functionality**
  
- **Clarification on the requirement of CPU + GPU processors for faster calculation: This requirement is deleted**



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## 2. TERMS AND CONDITIONS

### Clarification on Capacity Building:

The bidder shall **design and implement an Online- Offsite of DOE capacity building with all the necessary logistical requirements** that will cover the use of the modules specified in the technical specifications of the software for a minimum of five (5) days. The number of training days may be extended to cover all the modules stated. A Gantt chart shall be submitted by the bidder for easy referencing of the end-user.

Considering the relaxation of restriction for COVID-19, the Opening of Bids **can be witnessed personally** or in case you have related constraint it could be witness through video conferencing via MS Teams platform. In preparation, you may download the app in advance to witness the proceedings. Bidders and observers may submit their intent to participate with the following information such as the nominated email address to [bacsecretariat@doe.gov.ph](mailto:bacsecretariat@doe.gov.ph)

This Bid Bulletin forms part of the Terms of Reference. All other terms and conditions in the Bid Documents and other Bid Bulletin issued by the DOE-BAC not consistent with this Supplemental/Bid Bulletin shall remain valid and effective.

Approved for Issuance:

**USEC. ROBERTO E. UY**  
*Chairperson, Bids and Awards Committee*

FGD/imr/marc/jjad