1. This is to inform all prospective bidders for the Procurement of Linkaging Machine of the amendment on the bid documents to wit:

2. Second Pre-Bid Conference

   Date: 05 February 2020
   Time: 10:00 AM
   Venue: Government Arsenal, DND, Camp General Antonio Luna, Laoag, Limay, Bataan

3. | FROM | TO |
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>SCC Cl. 11.3 Terms of Payment</td>
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<tr>
<td>The terms of payment shall be as follows:</td>
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<tr>
<td>A. For foreign manufacturer or supplier:</td>
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<tr>
<td>Payment of ninety five percent (95%) upon delivery, installation and commissioning shall be made thru Letter of Credit (LC) at the Government Arsenal, shipping documents and Advice of Payment duly signed by the Director, GA</td>
<td>Payment of ninety five percent (95%) shall be made thru Letter of Credit (LC) after delivery, installation and commissioning at the Government Arsenal, and upon presentation of Certificate of Acceptance Inspection (Pre-delivery inspection) issued at manufacturer's plant site, shipping documents and Advice of Payment duly signed by the Director, GA.</td>
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<tr>
<td>The remaining five percent (5%) shall be retained to cover warranty obligations, to be released after one (1) year or upon submission of an equivalent Special Bank Guarantee. In both instance, upon presentation of the Certificate of Final Acceptance Inspection and Advice of Payment duly signed by the Director, Government Arsenal.</td>
<td>The remaining five percent (5%) shall be retained to cover warranty obligations, to be released after one (1) year from final acceptance, upon presentation of the Certificate of Final Acceptance Inspection and Advice of Payment duly signed by the Director, Government Arsenal or upon submission of an equivalent special bank guarantee.</td>
</tr>
<tr>
<td>All charges for the opening of LC and/or incidental expenses thereto (i.e. bank commission, documentary stamp, tax, cable, etc.) shall be for the account of the supplier.</td>
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</tbody>
</table>
shall be made thru Check / Disbursement Voucher (DV) upon delivery, installation, commissioning and acceptance at the Government Arsenal and presentation of Certificate of Acceptance Inspection.

The remaining five percent (5%) shall be retained to cover warranty obligations, to be released only after one (1) year or upon submission of an equivalent special bank guarantee and upon presentation of the Certificate of Final Acceptance Inspection.

B. For local manufacturer or supplier:

Payment of ninety-five percent (95%) shall be made thru Modified Disbursement Scheme (MDS) Checks or Direct Payment Scheme via bank debit system through issuance of Advice to Debit Account (ADA) of Supplier (DBM Circular 2013-16 dated December 23, 2013) after delivery, installation and commissioning and acceptance at the Government Arsenal, and presentation of Certificate of Acceptance Inspection (Pre-delivery inspection) issued at the manufacturer's plant site.

The remaining five percent (5%) shall be retained to cover warranty obligations, to be released only after one (1) year from final acceptance, or upon submission of an equivalent special bank guarantee.

### Technical Specifications

<table>
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<tr>
<th>FROM</th>
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<tbody>
<tr>
<td>Linkaging Machine</td>
<td>Linkaging Machine</td>
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<tr>
<td>Qty &amp; Unit: 1 unit</td>
<td>Qty &amp; Unit: 1 set</td>
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</tbody>
</table>

**Detailed Specifications:**

**Item:**
- Linkaging Machine for 5.56mm / 7.62mm Cartridges

**Links**
- Link Type: M13 and M27
- Capacity (Minimum): 120 ppm
- Power: 220V, 3-phase, 60 Hz

**Includes:**
- Spare parts for the linkaging of cartridges required for one (1) year operation and maintenance.
- Spare tools for the linkaging machine required for one (1) year operation and maintenance.
- Mechanical tools (basic and special) for machine maintenance.
- One (1) unit of compressed air system complete with filter, dryer, and lubricators
compatible to the machine.
- One (1) unit of Uninterruptible Power Supply compatible to the machine.

Product:
a.) 200 rounds per link belt of 5.56mm cartridges
b.) 230 rounds (190 ball cartridges + 40 tracer cartridges) per link belt of 7.62mm.

Operations/Processes
- Feeding of cartridges into a rotary parts feeder.
- Feeding of metallic links into a rotary parts feeder.
- For 7.62mm production, automatic insertion of Tracer Cartridge.
- Assembly of the components into link belts.
- Automatic cutting and checking of links on the standard quantity/length.

Details for 7.62mm link belt
One (1) tracer cartridge will be placed after every five (5) 7.62mm rounds and an additional two (2) tracer cartridges at the end of every link belt with provision for change in the number of alternating tracer cartridges.

Safety Features
- The machine should be equipped with safety features that dislodge the cartridges when improperly positioned to the feeder.
- The machine should have adequate guards to protect the operator from injuries when in operation.
- Other safety features may be offered as deemed necessary.

maintenance.
- One (1) unit each of compressed air system compatible to the machine complete with filter, dryer, oil and lubricators good for six (6) months.
- One (1) unit each of Uninterruptible Power Supply compatible to the machine.
- Software for accessing the Programmable Logic Controller (PLC) for troubleshooting purposes compatible with Windows Operating System.

Product:
a. 200 rounds per link belt of 5.56mm cartridges
b. 230 rounds (190 ball cartridges + 40 tracer cartridges) per link belt of 7.62mm.

Operations/Processes
- Feeding of cartridges into a rotary parts feeder.
- Feeding of metallic links into a rotary parts feeder.
- For 7.62mm production, automatic insertion of Tracer Cartridge.
- Assembly of the components into link belts.
- Automatic cutting and checking of links on the standard quantity/length.

Details for 7.62mm link belt
Three (3) tracer cartridges shall be placed at the beginning of every link belt. One (1) tracer cartridge will be placed after every five (5) 7.62mm rounds with provision for change in the number of alternating tracer cartridges.

Safety Features
- The machine should be equipped with safety features that dislodge the cartridges when improperly positioned to the feeder.
- The machine should have adequate guards to protect the operator from injuries when in operation.
- Other safety features may be offered as deemed necessary.
### Documentation requirements:
**Hard copy of complete Technical Data Package (TDP) in two (2) sets for Linkaging Machine in English language and measurements expressed in metric units in accordance with ISO Standards**. The TDP should include machine drawings, electrical diagrams, tool drawings in CAD form and spare parts lists and related documents.

- Hard copy of Operation and Maintenance Manual in two (2) sets in English with backup soft copies of documentation, software parameters and program control are to be supplied.

### Installation, Commissioning, Test Run and Training
Maximum of ten (10) days shall be allotted for the installation proper, commissioning, test run and on-site training of operators in the following areas: Programming, Machine Operation, Preventive Maintenance and Troubleshooting at no extra cost to the Procuring Entity.

The machine should be able to process 250,000 rounds each of 5.56mm and 7.62mm linked cartridges.

### Other support requirements
Technical assistance, after-sales service and availability of machine spare parts once the equipment encounters problem in the operation even after the expiration of the one (1) year warranty period.

### Documentation requirements:
- **Hard copy of complete Technical Data Package (TDP) in two (2) sets, in English language and measurements expressed in metric units in accordance with ISO Standards**. The TDP should include complete machine drawings in CAD form, electrical diagrams and spare parts lists and related documents.
- **Hard copy of Operation and Maintenance Manual in two (2) sets in English with backup soft copies of documentation, software parameters and program control**

### Installation, Commissioning, Test Run and Training
Maximum of ten (10) days shall be allotted for the installation proper, commissioning, test run and on-site training of operators in the following areas: Programming, Machine Operation, Preventive Maintenance and Troubleshooting at no extra cost to the Procuring Entity.

The machines should be able to process at least 250,000 rounds each of 5.56mm and 7.62mm linked cartridges.

### Other support requirements
Technical assistance, after-sales service and availability of machine spare parts once the equipment encounters problem in the operation even after the expiration of the one (1) year warranty period.
### SCC.Clause.16.1- Pre-Delivery Inspection

<table>
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<tr>
<th>FROM</th>
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<tbody>
<tr>
<td>Number of Inspectors – three (3)</td>
<td>Number of Inspectors - four (4)</td>
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</table>

**Additional Requirements:**

Eight thousand (8,000) pcs each of 5.56mm and 7.62mm links and ammunition for the Pre-delivery Inspection/test run shall be provided by the supplier.

4. Bidders are hereby instructed to use the attached Revised Technical Specifications during the submission and opening of bids.

5. Please be guided accordingly.

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**MS. TERESITA L. VITUG**  
Chairperson, Bids & Awards Committee
<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>QTY</th>
<th>COMPLY / NOT COMPLY</th>
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<tbody>
<tr>
<td>Linkaging Machine</td>
<td>set</td>
<td>1</td>
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</table>

**Detailed Specifications:**

One (1) set consisting of the following:
- a. one (1) unit for 5.56mm, brand new
- b. one (1) unit for 7.62mm, brand new

| Link Type | : M27 and M13 Links |
| Capacity (Minimum) | : 120 ppm each machine |
| Power | : 220V, 3-phase, 60 Hz |

Includes:
- Complete set of spare parts for each linkaging machine required for one (1) year operation and maintenance to include but not limited to the following:
  - Sensors
  - Solenoid valves
  - Belts (Conveyor, Timing)
  - Cylinders
- One (1) set of basic and special mechanical tools for machine maintenance.
- One (1) unit each of compressed air system compatible to the machine complete with filter, dryer, oil and lubricators good for six (6) months.
- One (1) unit each of Uninterruptible Power Supply compatible to the machine.
- Software for accessing the Programmable Logic Controller (PLC) for troubleshooting purposes compatible with Windows Operating System.

**Product:**
- a. 200 rounds per link belt of 5.56mm cartridges
- b. 230 rounds (190 ball cartridges + 40 tracer cartridges) per link belt of 7.62mm.

**Operations/Processes**
- Feeding of cartridges into a rotary parts feeder.
- Feeding of metallic links into a rotary parts feeder.
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- Assembly of the components into link belts.
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**Details for 7.62mm link belt**

Three (3) tracer cartridges shall be placed at the beginning of every link belt. One (1) tracer cartridge will be placed after every five (5) 7.62mm rounds with provision for change in the number of alternating tracer cartridges.

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Signature Over Printed Name of Bidder
### TECHNICAL SPECIFICATIONS (Revised)

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**Installation, Commissioning, Test Run and Training**

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**Other support requirements**

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