



**BIDS AND AWARDS COMMITTEE I**

**Notice of Issuance of Amended Bidding Documents**

**SUPPLY AND DELIVERY OF BRAND NEW 9,000 ROUNDS CTG. 40MM HEHV LINKED FOR THE GENERAL HEADQUARTERS, ARMED FORCES OF THE PHILIPPINES (GHQ, AFP)**

**Bid Reference No. MPG-BI-2018-220**

**Approved Budget for the Contract - ₱ 43,373,430.00**

This Notice is being issued to advise bidders that an Amended Bidding Documents shall be issued to modify and amend the technical requirements in the Bidding Documents in response to clarification from prospective bidders.

A complete set of the Amended Bidding Documents may be acquired by interested bidders during office hours (8:00 AM to 4:00 PM) from BAC 1 Secretariat c/o Ms. Jane Arcilla at the 4F NDC Building, 116 Tordesillas Street, Salcedo Village, 1227 Makati City upon payment of nonrefundable fee of Php 25,000.00. The Amended Bidding Documents shall be received personally by the prospective Bidder or his duly authorized representative upon presentation of proper identification document.

Further, this Notice is being issued in response to the clarification from prospective bidder on the aforementioned project and is now re-printed for the information of all prospective bidder/s:

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| <b>SUBMISSION AND OPENING OF BIDS ON : 24 SEPTEMBER 2018, 2:00PM</b>   |  |
| The following query below have been answered by the PITC Bids and Awards Committee I and the Philippine Army (PA):<br><b>FIREPOWER DEFENSE CONTRACTORS, INC.</b> in its letter dated August 7, 2018 duly received by the BAC on the same date. |  |
| <b>Query 1:</b>  | Complete Round:<br>2. Dimension and Weight:<br>2.3 Weight = 330gm – 350gm<br>2.4 Projectile Dia. = Fuze 40.67mm<br>= Proj. 41.26mm   |
| <b>BAC I/PA's Reply:</b>   | Adjustment on dimensional and weight are considered except for the fuze diameter which is not included in the Technical Specifications (TS) and Test and Acceptance Procedure (TAP).<br>Weight = 330gm – 355gm<br>Projectile Dia = 39.80mm – 41.26mm<br><b><u>(as per TS (Annex V-A1) and TAP (Annex V-A2) both dated Aug. 30, 2018)</u></b> |
| <b>Query 2:</b>  | 3. Cartridge:<br>3.6 Case Body and Ogive Material: Aluminum/Steel (Body)   |
| <b>BAC I/PA's Reply:</b>   | Aluminum or Steel is considered.<br>Body: Aluminum or Steel<br>Ogive: Aluminum<br><b><u>(as per TS (Annex V-A1) and TAP (Annex V-A2) both dated Aug. 30, 2018)</u></b>   |
| <b>Query 3:</b>  | 4. Performance:<br>4.3 Muzzle Velocity: 242 m/s (+/- 6.0 m/s)  |
| <b>BAC I/PA's Reply:</b>   | <b>Request Granted</b><br>Provided, the ammunition should pass the Functional and Casualty Test based on the required procedures in the TAP.<br><b><u>(as per TS (Annex V-A1) and TAP (Annex V-A2) both dated Aug. 30, 2018)</u></b>   |



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| <b>Query 4:</b>          | Performance:<br>4.4 Arming Distance: 14m  |
| <b>BAC I/PA's Reply:</b> | Adjustment on the required arming distance is considered. (Min: 15m – Max: 62m)<br><b><u>(as per TS (Annex V-A1) and TAP (Annex V-A2) both dated Aug. 30, 2018)</u></b>   |
| <b>Query 5:</b>          | 5. Markings for Cartridge:<br><u>5.2 Body: Round Description and Model.</u><br>5.3 Case: Nomenclature (Same as Nr 1) Lot Nr (MIL-STD-1168A or indicating Manufacturers Code, Year of Production.<br>6. Inner Packaging:<br>6.3 Nomenclature (Same as Nr 1) Lot Nr (MIL-STD-1168A or indicating Manufacturers Code, Year of Production.<br>7. Outer Packaging:<br>7.3 Nomenclature (Same as Nr 1) Lot Nr (MIL-STD-1168A or indicating Manufacturers Code, Year of Production.  |
| <b>BAC I/PA's Reply:</b> | <b>Request Denied</b><br><u>Lot Number markings both in the body and case are required by the AFP in order to identify the origin of the ammunition if ever it happens to fall into the hands of the enemy or any unlawful entity.</u><br><br>The MIL-STD-1168A is a NATO standard used in providing the Lot Number of ammunition which indicates the Manufacturers Code, Month and Year of Production. Therefore, if Firepower Defense Contractors Inc. accepted the above mentioned standards as stated, they should follow the sequence of Lot numbering in their product. |
| <b>Query 6:</b>          | 7. Outer Packaging:<br>7.1 Material: Metal boxes palletized with strapping  |
| <b>BAC I/PA's Reply:</b> | Changes in the Outer Packaging is considered.<br>7.1 Material: Hard Plastic / Metal / Wooden palletized with strap.<br><b><u>(as per TS (Annex V-A1) and TAP (Annex V-A2) both dated Aug. 30, 2018)</u></b>   |
| <b>Query 7:</b>          | Other Requirements:<br>10 rounds must be tested using AGL, 40mm Grenade Machine Gun (Equivalent Weapon). MK19 prior to its final acceptance   |
| <b>BAC I/PA's Reply:</b> | <b>Request Denied</b><br>AFPTWG sticks to the test procedures to ensure compatibility of the ammunition to the existing AGL of the AFP  |



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| <p><b>Query 8:</b></p>          | <p>Performance Test:</p> <p>3.1 Arming Distance Test: Test is done during fuze lot acceptance prior to completion of rounds.<br/>Test results to be submitted to the customer.</p> <p>3.2 Safety Distance Test: Test is done during fuze lot acceptance prior to completion of rounds.<br/>Test results to be submitted to the customer.</p> <p>The <u>Selotex board</u> may be used since the fuze reliability is the focus of the test and not the penetration.</p>   |
| <p><b>BAC I/PA's Reply:</b></p> | <p><b>Request Denied</b></p> <p>Certification for the functionality of ammunition in lieu of actual testing is only required by the AFP in case of the absence of test facilities or procedures. The Arming Distance and Safety Distance Tests are doable, therefore, the AFP will stick to the test procedures as required.</p> <p><u>However, the use of Selotex board material for the test of above-mentioned purpose is considered.</u></p>  |
| <p><b>Query 9:</b></p>          | <p>Performance Test:</p> <p>3.3 Muzzle Velocity Test.<br/>Procedures:<br/>b. With use of velocity meter such as Doppler radar or any appropriate machine. The velocity of the cartridge shall be taken eight (8) meters away from the muzzle of the weapons – NATO Standards.</p> <hr/> <p>3.4 Range Test.<br/>Procedures:<br/>b. Using AGL, 40mm, or any appropriate weapons, fire the sample ammunition to impact the target at 70m Maximum Range is calculated by muzzle Velocity due to range limitation.</p> <hr/> <p>3.4 Fragmentation Test:<br/>Fragmentation done with Arena Test every 5<sup>th</sup> Batch of Production only.</p>                                      |
|                                 | <p>3.5 Functioning and Casualty Test:<br/>Standard:<br/>b. The projectile shall function on a steel plate at 70 (m)<br/><b>(RDM Test Range Restrictions)</b></p>  |
| <p><b>BAC I/PA's Reply:</b></p> | <p>3.3 <u>Muzzle velocity</u> shall be taken nine (9) meters or thirty (30) feet away from the muzzle of the weapon – NATO Standards. Reference: MIL-C-50863C (AR) dated 26 January 1993.</p> <hr/> <p>3.4 <b>Request Denied – <u>Range Test</u>.</b> The AFP sticks to the test procedures to ensure compliance to the Technical Specification of the items. The AFP can provide the range for the test.</p> <hr/> <p>3.4 <b>Request Denied – <u>Fragmentation Test</u>.</b> The test procedures assigned for the acceptance of the ammunition is only minimal requirement to ensure compliance with the AFP standards. Fragmentation Test is doable and shall be conducted.</p> |
|                                 | <p>3.5 <b>Request Denied – <u>Functioning and Casualty Test</u>.</b> The AFP sticks to the test procedures to ensure compliance to the Technical Specification of the items. The AFP can provide the range for the test.</p>  |



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| <b>Query 10:</b>         | <p>Allocation of Representative Samples:</p> <p>3.1 Arming Distance Test: Test done during Fuze Lot Acceptance Certificate of Conformance and Results to be provided.</p> <p>3.2 Safety Distance Test: Test done during Fuze Lot Acceptance Certificate of Conformance and Results to be provided.</p> <p>3.4 Muzzle Velocity/Range Test: 20% of samples indicated in Para C, Table corresponding to ammunition lot size. Muzzle Velocity and Max Range Test done together.</p> <p>3.5 Fragmentation Test: Done in Arena Test (Average Penetration 5 Rounds).</p> |
| <b>BAC I/PA's Reply:</b> | <p><b>Request Denied</b></p> <p>Allocated samples for each and every test are taken from ANZ/ASQ Z1.4-2003 and MIL-STD-105E:</p> <p>Sampling Procedures and Tables for Inspection by Attributes used by the manufacturers internationally. The allocated samples are the given numbers of the AFP to ensure compliance of the ammunition to specifications.</p>   |
| <b>Query 11:</b>         | <p>Types of Defects:</p> <p>A. Visual Inspection:</p> <p>2.1 Ammunition Body: Incomplete Components/Not Properly Assembled <u>MAJ</u></p> <p>2.4 Primer:</p> <p style="padding-left: 40px;">Primer Missing <span style="float: right;"><u>MAJ</u></span></p> <p style="padding-left: 40px;">Primer Cocked <span style="float: right;"><u>MAJ</u></span></p> <p style="padding-left: 40px;">Primer Inverted <span style="float: right;"><u>MAJ</u></span></p> <p style="padding-left: 40px;">Primer Blow Back <span style="float: right;"><u>MAJ</u></span></p>    |
| <b>BAC I/PA's Reply:</b> | <p><b>Request Denied</b></p> <p>RDM Definition under sentencing criteria's for defect is not the basis of the AFP. Based on MIL-STD-636 dated 5 June 1958; Visual Inspection for Small Arms Ammunition thru Cal .50, following defects falls to "Critical" defects.</p> <p>If such defect falls to critical in small ammunition, how much more if such defect is found in artillery or special ammunition which is much expensive and hazardous due to its explosives contents.</p>   |
| <b>Query 12:</b>         | <p>Types of Defects:</p> <p>B. Weight and Dimensional Inspection:</p> <ul style="list-style-type: none"> <li>- Projectile diameter not within Specification</li> <li>- Case length not within Specification</li> <li>- Round length not within Specification</li> <li>- Round weight not within Specification</li> </ul>  |
| <b>BAC I/PA's Reply:</b> | <p><b>Request Granted</b></p> <p><b><u>(as per TS (Annex V-A1) and TAP (Annex V-A2) both dated Aug. 30, 2018))</u></b></p>  |



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| <b>Query 13:</b>         | Types of Defects:<br>C. Performance Test: <ul style="list-style-type: none"> <li>- Muzzle velocity not within 242m/s +/- 6m/s</li> <li>- Misfire</li> <li>- Projectile failure to function (Dud)</li> <li>- Blown Primer</li> <li>- Circumferential Rupture (complete)</li> </ul> <div style="text-align: right; margin-top: 10px;"> <u>MAJ</u><br/> <u>MAJ</u><br/> <u>MAJ</u><br/> <u>MAJ</u> </div>   |
| <b>BAC I/PA's Reply:</b> | Misfire due to defective primer and the projectile failure to function (dud) is considered as a <u>major</u> defect.<br><br>However, misfire as a result of no vent hole or obstruction in the vent area is considered as a <u>critical</u> defect.<br><br>Also, blown primer and circumferential rupture (complete) are considered as <u>critical</u> defect. <ul style="list-style-type: none"> <li>- Muzzle velocity not within 242m/s +/- 6m/s</li> <li>- Misfire (no vent hole, or obstruction in vent area)</li> <li>- Misfire (defective primer)</li> <li>- Projectile failure to function (Dud)</li> <li>- Blown Primer</li> <li>- Circumferential Rupture (complete)</li> </ul> <div style="text-align: right; margin-top: 10px;"> <u>CRIT</u><br/> <u>MAJ</u><br/> <u>MAJ</u><br/> <u>CRIT</u><br/> <u>CRIT</u> </div> <p><b><u>(as per TS (Annex V-A1) and TAP (Annex V-A2) both dated Aug. 30, 2018)</u></b></p> |
| <b>Query 14:</b>         | V. Manufacturers Quality Control Certificate <ol style="list-style-type: none"> <li>1. That the primer came from two (2) Production Lot.</li> <li>2. That the Filler/propellant came from two (2) Production Lot.</li> <li>3. That the fuzes came from two (2) Production Lot.</li> <li>4. That the cartridge may come from more than (1) one Production Lot.</li> <li>5. That the projectile material came from one (1) Production Lot.</li> </ol>  |
| <b>BAC I/PA's Reply:</b> | For the Manufacturers Quality Control Certificate the following are adopted <b><u>(as per TS (Annex V-A1) and TAP (Annex V-A2) both dated Aug. 30, 2018)</u></b> : <ol style="list-style-type: none"> <li>1. That the primer came from two (2) Production Lot.</li> <li>2. That the Filler/propellant came from two (2) Production Lot.</li> <li>3. That the fuzes came from two (2) Production Lot.</li> <li>4. That the projectile material came from one (1) Production Lot.</li> </ol>   |



Issued this 13<sup>th</sup> day of September 2018 in Makati City.

Reviewed and Approved by:

**ATTY. MA. VICTORIA C. MAGCASE**  
Chairperson, Bids and Awards Committee – I

**ATTY. MA. GUDELIA C. GUESE**  
Vice Chairperson

**CHRISTABELLE P. EBRIEGA**  
Member

**MYRA CHITELLA T. ALVAREZ**  
Member

**DAVID A. INOCENCIO**  
Member

**Concurred by:**

**COL FERNANDO V FELIPE PA**  
GHQ, AFP Provisional Member

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| <b>(PLEASE RETURN OR FAX THIS PAGE ONLY TO THE PITC BAC-I)</b> |                        |