



Supplemental/ Bid Bulletin No. 2
28 November 2019

Public Bidding No. 19-313-9

SUPPLY, DELIVERY AND TESTING OF AIRCRAFT RESCUE AND FIRE FIGHTING
VEHICLE
FOR THE SUBIC BAY INTERNATIONAL AIRPORT

Issued pursuant to Sec. 22.5 of the IRR of R.A. 9184 to clarify and/or amend certain provisions in the Bidding Documents issued for this project, considering the issues raised and clarifications made by prospective bidders during the Pre-bid Conference held on **19 November 2019**, likewise, respond to bidders' written queries received within the prescriptive period for filing.

A. AMENDMENTS/ INCLUSIONS

REFERENCE SECTION/ CLAUSE	REMARKS
<p>Section III Page 38 Bid Data Sheet</p> <p>ITB Clause 29.2</p> <p>Xxx</p> <p>9. <u>Certification of compliance to ICAO & NFPA 414 of the offered brand and model.</u></p> <p>10. <u>At least One (1) Service Center in either Region 3 or NCR.</u></p> <p>11. <u>Certificate of compliance to ECE-R29-3 of the offered brand and model.</u></p> <p>12. <u>Maintenance plan for the 3-year warranty period.</u></p>	<p><i>Additional Requirements were added to ensure that the offered brand and model passed the International standards and guarantee the continuity of the service of the vehicle once delivered.</i></p>

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Section VI
Page 71
Schedule of Requirements

Lot No.	Qty	Item/Description	Delivery period
1	1 lot	<p><i>Supply, Delivery and Testing of Aircraft Rescue and Fire Fighting Vehicles, at least 650 horsepower Euro 4 diesel engine.</i></p> <ul style="list-style-type: none"> • One unit with High Reach Extendable Turret • One unit without HRET 	<p>Within One Hundred Twenty <u>Two Hundred Fifty</u> (250) Calendar Days from the effective date indicated in the Notice to Proceed</p>

To extend the delivery period from 120 cd to 250 cd since the item being procured is to be customized abroad.

Section VII
Page 73
Technical Specifications

xxx
Chassis: 6x6 Customized

To clarify that the chassis shall be customized.

Engine: ≥ 650 horsepower single engine configuration
 xxx

To clarify that the engine shall be a single engine configuration.

xxx
Transmission: ~~≥ 7-speed automatic~~ 7-speed automatic (6 forward+1 reverse)

To clarify that the transmission shall be 7-speed automatic which is interpreted as 6 forward+1 reverse.

Water Tank: ~~≥ 12,000L~~ ≥ 12,000L nominal capacity with ≥ 11,000L usable capacity

To clarify the nominal and usable capacity requirements.

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<p>Foam Tank: ≥ 1,400L <u>≥ 1,400L nominal capacity with ≥ 12% of the water tank actual usable capacity</u></p>	<p><i>To clarify the nominal and usable capacity requirements.</i></p>
<p>xxx</p> <p>A.3 & B.3 Performance</p> <p>Side Slope Stability (Tilt Angle) : ≥ 30° Acceleration time from 0 to 80kph : ≤ 35 sec Top speed : ≥ 113 kph Stopping distance from 64 kph : ≤ 49 m Water pump out : ≥ 8,000 lpm @ 10 bar Overall width : 3m to 3.5m Overall length : 11m to 13m Height w/o HRET : ≤ 4m</p> <p>xxx</p>	<p><i>Dimensional requirements are added to differentiate commercial ARFF to customized ARFF.</i></p>
<p>xxx</p> <p>A.8 & B.8 Brakes</p> <ul style="list-style-type: none"> • Service brakes shall be of the all-wheel type with split circuits so that failure of one circuit shall not cause total service brake failure. • The service brakes shall be capable of holding the fully loaded vehicle on a 50 percent grade. • <u>Shall be equipped with ABS to prevent wheel lock-up and enhance driver control and vehicle stability under certain conditions.</u> 	<p><i>Additional item is added to ensure the security features of the vehicle.</i></p>
<p>A.9 & B.9 Rims, Tires, and Wheels</p> <ul style="list-style-type: none"> • The Vehicles shall meet paved surface performance while still providing off-pavement performance compatible with the conditions encountered at the operational airport. • All wheels shall be of the single-wheel type, with all rims, tires, and wheels of an identical size and the same tire tread design. • Each ARFF vehicle shall be provided with two (2) <u>one (1)</u> new spare tire complete with the same rims of the installed wheels. <p>xxx</p>	<p><i>Requirement is changed to only one (1) new spare tire due to price consideration.</i></p>

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<p>A.15 Water/Agent Pump</p> <ul style="list-style-type: none"> • x x x • An automatic system with a visual <u>and acoustic</u> alarm shall be provided to prevent overheating of the pumps while they are engaged and operating at zero discharge. <p>x x x</p>	<p><i>To clarify that thermal overload shall have both visual and acoustic alarm.</i></p>
<p>A.21 & B.21 Electrical Equipment (Lighting and Warning System)</p> <p>The apparatus shall be provided the following:</p> <ul style="list-style-type: none"> • x x x • Detachable search light • <u>Internal and external battery charger during standby periods w/ detachable plug to a 230V</u> 	<p><i>Additional item is added to ensure continuity of Lightning and Warning System.</i></p>
<p><u>General Requirements</u></p> <p>xxx</p> <p>Warranty / Guarantee Provisions</p> <ul style="list-style-type: none"> • The bidder shall provide a three (3) years warranty on parts and labor, at least five (5) <u>ten (10)</u> years on spare parts availability after end of production and service. <p>xxx</p>	<p><i>Requirement is changed to ensure the availability of spare parts for a long period.</i></p>
<p>Section VIII Page 83 Bidding Forms</p> <p>Bid Form Annex "A"</p>	<p><i>To amend some details of the Bid Form due to typographical error.</i></p> <p><i>Please see attached amended Annex "A".</i></p>

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B. CLARIFICATIONS

ITEM	REFERENCE SECTION/ CLAUSE	BIDDER'S ISSUES/ CONCERNS/ QUERIES/ CLARIFICATIONS	CLARIFICATION/ RESOLUTION
<i>Queries raised during Pre-bid Conference</i>			
1	<p>Section I Page Invitation to Bid</p> <p>Bidders should have completed, within ten (10) years from the date of submission and receipt of bids, a contract similar to the Project. The summary of the bidding activities is as follows:</p> <p>xxx</p>	<p>Proposal to change the requirement from ten (10) to five (5) years.</p>	<p>Denied. The original requirement is retained.</p>
2	<p>Section III Page 38 Bid Data Sheet</p> <p>ITB Clause 29.2</p> <p>xxx</p> <p>5. Certification accompanied with <i>verifiable</i> proof that the brand being offered has been in the International Market for at least TEN (10) YEARS;</p>	<p>Request to change the requirement from ten (10) to twenty – five (25) years.</p>	<p>Denied. The original requirement is retained.</p>
3	<p>Section III Page 38 Bid Data Sheet</p> <p>ITB Clause 29.2</p> <p>xxx</p>	<p>Proposal to amend the requirement from ten (10) to five (5) years.</p>	<p>Denied. The original requirement is retained.</p>

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	<p>6. Certification accompanied with verifiable proof that the company has supplied ARFF for the last ten (10) years.</p>		
4	<p>Schedule of Requirements</p> <ul style="list-style-type: none"> • Within One Hundred Twenty (120) Calendar Days from the effective date indicated in the Notice to Proceed 	<p>Proposal if the delivery period be extended to 180 cd, 300 cd, 330 cd or 360 cd.</p>	<p>Please refer to A. Amendments/ Inclusions above.</p>
5	<p>Technical Specifications A.3 & B.3 Performance</p> <ul style="list-style-type: none"> • Side Slope Stability (Tilt Angle): $\geq 30^\circ$ • Acceleration time from 0 to 80kph : ≤ 35 sec • Top speed : ≥ 113 kph • Stopping distance from 64 kph : ≤ 49 m • Water pump out : $\geq 8,000$ lpm @ 10 bar 	<p>Suggestion to change the requirements under Chassis to Manufacturer's Standard.</p>	<p>Denied. However, the original requirements are amended to include the overall width, overall length and height without HRET.</p>
6	<p>Technical Specifications</p> <p>Transmission: \geq 7-speed automatic</p>	<p>Proposal to amend the \geq 7-speed automatic requirement to just simple automatic or a 6-speed/ 4-speed transmission.</p>	<p>Please refer to A. Amendments/ Inclusions above.</p>
7	<p>Technical Specifications</p> <p>Water Tank: $\geq 12,000$L Foam Tank: $\geq 1,400$L</p>	<p>Clarification on the capacity of the water and foam tanks.</p>	<p>Please refer to A. Amendments/ Inclusions above.</p>
8	<p>Technical Specifications</p> <p>A.7 Steering</p> <p>The chassis shall be equipped with power-assisted steering with direct mechanical linkage from the steering wheel to the steered axle(s) to allow manual</p>	<p>Clarification on the position of the steering.</p>	<p>Please refer to the Technical Specifications.</p>

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	control in the event of power-assist failure.		
9	<p>Technical Specifications</p> <p>A.9 & B.9 Rims, Tires, and Wheels</p> <ul style="list-style-type: none"> • xxx • Each ARFF vehicle shall be provided with two (2) <u>one (1)</u> new spare tire complete with the same rims of the installed wheels. 	Request to decrease the number to required spare tires to one (1) only.	Please refer to A. Amendments/ Inclusions above.
10	<p>Technical Specifications</p> <p>A.17 Turret and Under Truck/Protection Nozzles</p> <ul style="list-style-type: none"> • The ARFF vehicles shall be equipped with the following: <ul style="list-style-type: none"> ○ HRET w/ piercing tool with ≥ 15m working height <p>xxx</p>	Request to change the working height to 17m.	Denied. The original requirement is retained.
11	<p>General Requirements</p> <p>xxx</p> <p>Warranty /Guarantee Provisions</p> <ul style="list-style-type: none"> • The bidder shall provide a three (3) years warranty on parts and labor, at least five (5) years on spare parts availability after end of production and service. <p>xxx</p>	<p>Proposal to amend the following requirements:</p> <ul style="list-style-type: none"> • From (3) years warranty on parts and labor to two (2) years only; and • From five (5) years spare parts availability to twenty – five (25) years. 	Please refer to A. Amendments/ Inclusions above.
<i>Asian Aerospace¹</i>			
1	Service Centers	Suggestion that the End-user must require a service	Please refer to A. Amendments/

¹ Letter dated November 20, 2019.

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		center strategically located within Region 3.	<i>Inclusions above.</i>
2	Deadline of Submission of Bids (December 3, 2019)	Request for an extension of the opening of bids to a later date.	<i>Please refer to Bid Bulletin No. 1 issued on 26 November 2019.</i>
<i>Kolonwel Trading²</i>			
1	Chassis	Is the Cab & C customized? Or COMMERCIAL Chassis?	<i>The chassis shall be customized.</i>
2	Chassis	Is it acceptable that the Chassis will be manufacturer's standard	<i>The chassis shall be customized.</i>
3	Schedule of Requirement	If the buyer prefers customized chassis, then, we will respectfully request for the extension of the bidding from 120-180 days	<i>Please refer to A. Amendments/ Inclusions above.</i>
4	Water Tank	Is the water tank fixed into 12,000 liters or can be more? According to manufacturer's standard?	<i>Please refer to A. Amendments/ Inclusions above.</i>
5	Foam Tank	Is the foam tank can be less than 1,400 liters? Eu standard our offer?	<i>Please refer to A. Amendments/ Inclusions above.</i>
6	Water Pump	Can it be the fire pump has the capacity of 3,000 LPM?	<i>Denied. The original requirement is retained.</i>
7	Dimension	May we know what is the meaning of this abbreviated 38s Boss, 8:12 AM Dimension of the vehicle?	<i>Please refer to A. Amendments/ Inclusions above on dimensions.</i>
8		Can it be length be less than 10m is acceptable? Again manufacturer's standard who had a track record of supplying worldwide airports?	<i>Please refer to A. Amendments/ Inclusions above on dimensions.</i>
9		Will the width not less than 2.5m (excluding side mirrors?)	<i>Please refer to A. Amendments/ Inclusions above on</i>

² Letter dated November 21, 2019.

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			<i>dimensions.</i>
10		Can it be the height not more than 4 meter? Again manufacturer	<i>Please refer to A. Amendments/ Inclusions above on dimensions.</i>
<i>St. Raymund Construction Inc.³</i>			
1	Delivery Period	Request that delivery be removed from 120 days to within 200 days.	<i>Please refer to A. Amendments/ Inclusions above.</i>
2	Engine	Clarification that the minimum 650 HP engine is a single engine configuration.	<i>Please refer to A. Amendments/ Inclusions above.</i>
3	Water Tank	Request to lower the capacity to 11,000 liters water, however the 12,000 liters water for the unit without HRET can be maintained to ensure compliance with the NFPA requirements on safety margin allowances. The HRET unit with its accompanying motor and fluids is a considerable additional weight of more than 2 tons.	<i>Please refer to A. Amendments/ Inclusions above.</i>
4	Speed	Clarification that the 7-speed would mean 7 gears, specifically 6 forward and 1 reverse automatic transmission for both ARFFs. ARFF are built for quick acceleration and not for high speed cruising	<i>Please refer to A. Amendments/ Inclusions above.</i>
5	Working Height	Request to amend the working height of 15 m to 17 m for future proofing purposes. This will ensure the ARFF HRET can reach the upper and lower areas of the newer aircraft bodies	<i>Please refer to Item 11 of B. Clarifications.</i>

³ Letter dated November 22, 2019.

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		without the need for a closer approach to the aircraft. All manufacturers have longer lengths than the prescribed 15m.	
6	Customized Chassis	Request that the word "customized chassis" be used to describe the ARFF and that minimum dimensions be included specifically the width of the ARFF be at least 3.0m and the height be less than 4.0m, length could be as per manufacturer's standard. The 3.0m width requirement has been used by CAAP in their purchases of ARFFs to ensure stability during turns. The 4.0m height requirement is to ensure that the ARFF will fit under boarding bridges. This will also ensure that all bidders shall propose the same type of ARFF chassis.	<i>Please refer to A. Amendments/ Inclusions above.</i>
7	Battery	Suggestion that an external battery tender be included to ensure that the ARFF would start in cases where the batteries condition are less than optimal.	<i>Please refer to A. Amendments/ Inclusions above.</i>
	Spare Tire	Request to decrease the number to required spare tires to one (1) only.	<i>Please refer to A. Amendments/ Inclusions above.</i>
8	Cab	Proposal that a copy of ECE R29-3 certification be submitted to ensure compliance.	<i>Please refer to A. Amendments/ Inclusions above.</i>
9	Body	Clarification if the equipment locker profiles/shelves are movable to accommodate equipment change.	<i>Manufacturer's Standard is acceptable.</i>
10	Water/Agent Pump	Recommendation that the alarm be both visual and	<i>Please refer to A. Amendments/</i>

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		acoustic.	<i>Inclusions above.</i>
11	Data Sheet of Pump	<p>Clarification on the following:</p> <ul style="list-style-type: none"> • If the specific pump brochure and its characteristic curve to be used – discharge/flow rate charts is required to be submitted to ensure NFPA pump compliance. • On the location of the pump thermal overload alarm (both inside the cabin and at the pump bay). • If externally located foam and water level indicators are needed aside from pump bay location. 	<ul style="list-style-type: none"> • <i>No need to require data sheet of pump</i> • <i>Thermal overload alarm shall be located both on cab and pump bay.</i> • <i>As a minimum, foam and water level indicators shall be located both on cab and an appropriate external location</i>
12	HRET	Clarification if the HRET piercing nozzle needs to have been tested for both civilian and military aircraft.	<i>Yes. Any proof shall be submitted to prove that the piercing nozzle has been tested for both civilian and military aircraft.</i>
13	Searchlights	Clarification if searchlights are needed for HRET piercing and roof turret aimed at throw direction.	<i>Manufacturer's Standard is acceptable.</i>
14	LED Working Lights	Is number of LED working lights at right, left and rear locations be as per manufacturer's standard?	<i>Manufacturer's Standard is acceptable.</i>
15	Warranty	<ol style="list-style-type: none"> 1. Request that warranty on parts and labor could be lowered to 1 year instead of 3 years. 2. Clarification on the 	<ol style="list-style-type: none"> 1. <i>Please refer to A. Amendments/ Inclusions above.</i> 2. <i>Please refer to</i>

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		phrase "body and critical fire systems provided by same as ARFF manufacturer" – does this mean the body and critical fire systems (Fire pump, Foam proportioning system, HRET, Roof and Bumper turret) be manufactured and branded by the same company as the ARFF manufacturer?	<i>the General Requirements under the Technical Specifications.</i>
16	Service Centers	Suggestion that the End-user must require a service center strategically located within Region 3 for standard maintenance checks and services, troubleshooting and replacement of fast moving items.	<i>Please refer to A. Amendments/ Inclusions above.</i>
17	Special Instructions (Significant Applicant's Request)	"If SBAM can be made consignee for the ARFFs, the bidder shall arrange for the releasing of goods and all other documentations need to transfer the title to SBMA?"	<i>The original requirement instructions maintained.</i>

All provisions of the bidding document that are affected by newly issued bidding documents template/s are deemed modified / amended / revised.

By Rules, all other related provisions in the Bidding Documents correspondingly affected by these amendments are likewise deemed amended to conform to this Bid Bulletin.

Amendments made herein shall be considered an integral part of the Bidding Documents.

SGD
ENGR. IAN T. FAJARITO
Chairperson

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