



**Republika ng Pilipinas**  
Republic of the Philippines  
**Kagawaran ng Tanggulang Pambansa**  
Department of National Defense

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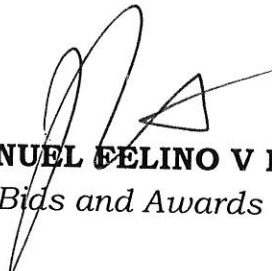
**SUPPLEMENTAL BID BULLETIN NR. DND/PN/PAF-LARSU-18-R-03**  
(Light Armor System Upgrade (LARSU) Acquisition Project of the Philippine  
Navy and Philippine Air Force - Rebidding)

This Supplemental Bid Bulletin is issued to inform prospective bidders of the following changes, modifications, amendments, or additional requirements that form part of the Bidding Documents for the Light Armor System Upgrade (LARSU) Acquisition Project of the Philippine Navy and Philippine Air Force – Rebidding, as follows:

<b>POINTS OF CLARIFICATION by Larsen and Toubro Ltd.</b>	<b>ANSWERS</b>
Section VI. Schedule of Requirements- Page No. 87 & 88, mentions MSLR of LARSU (Mobility Upgrade) as 3 sets each- 2 sets for PMC and 1 set for PAF. The above is covered on Page 15 & 16 of SBB under Maintenance Support Logistics Requirement (Spares) of Mobility Upgrade Only from Sr. No. 1 to 13 as 3 sets each. L& T observation is that the Sr. Nos. 18 to 30 mentioned on page 18, under Maintenance Support Logistics Requirements (Spares) of Mobility and One-Meter Turret Upgrade as 8 sets each, is a mistake and requires deletion. Kindly request you to confirm this.	The form 8A attached in the published SBB is a sample form intended to guide the proponent on how to accomplish price breakdown for Goods Offered From Abroad. The Schedule of requirements of the bid document will still prevail. See attached sample Form 8A for the specific list of Goods Offered Abroad.
L&T understands that Sr. Nos. 31 to 49 of 8 sets each referred on Page No. 18 & 19 of the SBB should be covered under Integrated Peripherals of Page No. 20- Form SB, Sr. No.9 Page 2 of 3 Mobility and One-Meter Turret Upgrade, and not under Maintenance	The form 8A attached in the published SBB is a sample form intended to guide the proponent on how to accomplish price breakdown for Goods Offered From Abroad. The Schedule of requirements of the bid document will still prevail.

Support Logistics Support Requirements (Spares).	See attached sample Form 8A for the specific list of Goods Offered Abroad.
Sr. No.9-Training Cost of 91 Students (for Turret Upgrade) and 43 Students (for Mobility Upgrade) requires deletion since it is already covered on Page No. 17- Sr. No.8 under Integrated Logistics Support (Operators and Maintenance Training of 91 Students) and Page No. 15 - Sr. No. 5 under Integrated Logistics Support (Operators and Maintenance	The form 8B attached in the published SBB is a sample form intended to guide the proponent on how to accomplish price breakdown for Goods Offered From Within the Philippines. The Schedule of requirements of the bid document will still prevail. All Goods and/or services offered or rendered or locally purchased from within the Philippines are considered "Goods Offered from within the Philippines". See attached Form 8B for the specific list of locally purchased goods.
There was a presentation made by DND-BAC/TWG wherein it was indicated that the Operational status and location of V-150 and V300 vehicle of the PN/PAF that will undergo the upgrade will be provided to the proponents. We look forward to these details as well.	Please see attached "Programmed Light Armor Vehicles for LARSU (Mobility & Firepower)"

Please be guided accordingly.

  
**ASEC MANUEL FELINO V RAMOS**  
 Chairperson, DND Bids and Awards Committee 1

# For Goods Offered From Abroad

Form 8A

Name of Bidder \_\_\_\_\_, Invitation to Bid<sup>1</sup> Number \_\_\_. Page \_\_\_ of \_\_\_\_\_.

1	2	3	4	5	6
Item	Description	Country of origin	Quantity	Unit price Delivered At Place (DAP)	Total Price delivered DAP (col 4 x 5)
<b>MOBILITY UPGRADE (ONLY)</b>					
1	New Power Pack				
	a. Engine		3 sets		
	b. Automatic Transmission System		3 sets		
	c. Transfer Case		3 sets		
2	Cooling System		3 sets		
3	Hull Modification		3 sets		
4	Driver's Controls		3 sets		
5	New Drive Shafts		3 sets		
6	Wheel and Tire Assembly		3 sets		
7	Steering Assembly		3 sets		
8	Vision Blocks Assembly 2"- (10 units per hull)		3 sets		
9	Electrical System		3 sets		
10	Fuel System		3 sets		
11	Suspension		3 sets		
12	Brakes		3 sets		
13	Winch and Differential		3 sets		
14	Vehicle Accessory		3 sets		
15	Driver's Front and Rear Camera		3 sets		
16	Driver's Display Monitor		3 sets		
17	Air Conditioning System		3 sets		
<b>INTEGRATED LOGISTICS SUPPORT</b>					
1	Maintenance Tools		12 sets		
2	User Operator's Manual		23 sets		
3	Maintenance Manual		23 sets		
4	Parts Manual		23 sets		
5	Warranty		2 years		
<b>MAINTENANCE SUPPORT LOGISTICS REQUIREMENT (SPARES)</b>					
1	Cooling System		3 sets		
2	Driver's Control		3 sets		

<sup>1</sup> If ADB, JICA and WB funded projects, use IFB.

3	Drive Shafts		3 sets		
4	Wheel and Tire Assembly		3 sets		
5	Steering		3 sets		
6	Vision Blocks Assembly 2"		3 sets		
7	Electrical Systems		3 sets		
8	Fuel System		3 sets		
9	Suspension		3 sets		
10	Winch and Differential		3 sets		
11	Driver's Front and Rear Camera		3 sets		
12	Driver Display Monitor		3 sets		
13	Vehicle Accessory		3 sets		
	<b>TOTAL</b>				

#### ONE-METER TURRET UPGRADE (ONLY)

1	One-Meter Turret (Refurbished)		19 sets		
2	Gunner's Control Mechanism		19 sets		
3	Gunner's Sight Camera		19 sets		
4	Gunner's Periscope M28 Sight (Refurbished)		19 sets		
5	Main Turret Electrical System and its peripherals		19 sets		
6	Turret Basket		19 sets		
7	Smoke Grenade Launcher		8 sets		
8	Laser Range Finder		19 sets		
9	Ring Gear		19 sets		
10	View Blocks Assembly 3" – 8 units per turret		19 sets		
11	Gunner's Seat		19 sets		
12	Gun Cradle		19 sets		
13	Gun Mounts		19 sets		
14	12.7mm Spent Cartridge System		19 sets		
15	7.62mm Spent Cartridge System		19 sets		
16	Spotlight Assembly		19 sets		
17	Interior Light Assembly		19 sets		
18	Interrupt Switch Assembly		19 sets		
19	Vent Blower Assembly		19 sets		

#### INTEGRATED LOGISTICS SUPPORT

1	Maintenance Tools		12 sets		
2	Nitrogen Tank and Accessories		12 sets		
3	Optic Bore Sighting Equipment for 12.7mm HMG		12 sets		
4	Optic Bore Sighting		12 sets		

	Equipment for 7.62mm LMG				
5	User/Operators Manual with E-copy		39 sets		
6	Maintenance Manual with E-copy		39 sets		
7	Part's Manual with E-copy		39 sets		
8	Warranty		2 years		
<b>MAINTENANCE SUPPORT LOGISTICS REQUIREMENTS (SPARES)</b>					
1	Gunner's Control Mechanism		7 sets		
2	Gunner's Control Panel		7 sets		
3	Gunner's Sight Camera		7 sets		
4	Main Turret Electrical System and its peripherals		7 sets		
5	Slip ring Assembly		7 sets		
6	Power Distribution Unit System		7 sets		
7	Ring Gear		7 sets		
8	View Blocks Assembly 3"		7 sets		
9	12.7mm Cal spent cartridge system		7 sets		
10	7.62mm Cal spent cartridge system		7 sets		
11	Spotlight Assembly		7 sets		
12	Interior Light Assembly		7 sets		
13	Interrupt Switch Assembly		7 sets		
14	Vent Blower Assembly		7 sets		
15	Laser Range Finder		7 sets		
	<b>TOTAL</b>				
<b>MOBILITY AND ONE-METER TURRET UPGRADE</b>					
1	New Power Pack				
	a. Engine		8 sets		
	b. Automatic Transmission System		8 sets		
	c. Transfer Case		8 sets		
2	Cooling System		8sets		
3	Hull Modification		8sets		
4	Driver's Controls		8 sets		
5	New Drive Shafts		8 sets		
6	Wheel and Tire Assembly		8 sets		
7	Steering Assembly		8 sets		
8	Vision Blocks Assembly 2"- (10 units per hull)		8 sets		
9	Electrical System		8 sets		
10	Fuel System		8 sets		
11	Suspension		8 sets		
12	Brakes		8 sets		

13	Winch and Differential		8 sets		
14	Vehicle Accessory		8 sets		
15	Driver's Front and Rear Camera		8 sets		
16	Driver's Display Monitor		8 sets		
17	Air Conditioning System		8 sets		
18	One-Meter Turret (Refurbished)		8 sets		
19	Gunner's Control Mechanism		8 sets		
20	Gunner's Sight Camera		8 sets		
21	Gunner's Periscope M28 Sight (Refurbished)		8 sets		
22	Main Turret Electrical System and its peripherals		8 sets		
23	Turret Basket		8 sets		
24	Smoke Grenade Launcher		8 sets		
25	Laser Range Finder		8 sets		
26	Ring Gear		8 sets		
27	View Blocks Assembly 3" – 8 units per turret		8 sets		
28	Gunner's Seat		8 sets		
29	Gun Cradle		8 sets		
30	Gun Mounts		8 sets		
31	12.7mm Spent Cartridge System		8 sets		
32	7.62mm Spent Cartridge System		8 sets		
33	Spotlight Assembly		8 sets		
34	Interior Light Assembly		8 sets		
35	Interrupt Switch Assembly		8 sets		
36	Vent Blower Assembly		8 sets		

\_\_\_\_\_  
[signature]

\_\_\_\_\_  
[in the capacity of]

Duly authorized to sign Bid for and on behalf of \_\_\_\_\_



# For Goods Offered From Within the Philippines

Form 8B

Name of Bidder \_\_\_\_\_ Invitation to Bid<sup>2</sup> Number \_ Page \_\_\_\_ of \_\_\_\_

1	2	3	4	5	6	7	8	9	10
Item	Description	Country of origin	Quantity	Unit price EXW per item	Transportation and Insurance and all other costs incidental to delivery, per item	Sales and other taxes payable if Contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)
<b>SUPPORT FACILITY AND EQUIPMENT</b>									
1	20-Footer Container for supplies		2 ea						
2	20-Footer Container for Office/Conference Room		1 ea						
3	Office inside the AABN Supply Warehouse		1 set						
4	Refurbishment of existing AABN Maintenance Bay		1 set						
5	Washing and Painting Bay		2 bays						
6	New Tanks Shed		6 bays						
7	Collapsible Tents with sidings		12 sets						
8	Transportation and Insurance Cost for 30 Vehicles		30 LAV						
9	Training Cost for One Meter Turret Upgrade and Mobility Upgrade		91 Students and 43 Students respectively						
10	LAV for painting		30 LAV						

[signature]

[in the capacity of]

Duly authorized to sign Bid for and on behalf of \_\_\_\_\_

<sup>2</sup> If ADB, JICA and WB funded projects, use IFB.

## Programmed Light Armor Vehicles for LARSU (Mobility & Firepower)

### 1. Firepower Upgrade:

Nr	Type of LAV	Adm Nr	Status	Present Deployment
1.	V-150 CDO (OLD)	213	Opnl	MBRB, Taguig City
2.	V-150 CDO (OLD)	418	Non Opnl	MBRB, Taguig City
3.	V-150 CDO (LARSU)	421	Opnl	MBRB, Taguig City
4.	V-150 CDO (LARSU)	207	Opnl	Tiniguiban, PPC, Palawan
5.	V-300 APC	432	Opnl	MBRB, Taguig City
6.	V-300 APC	233	Opnl	MBRB, Taguig City
7.	V-300 APC	231	Non Opnl	MBRB, Taguig City
8.	V-300 APC	306	Opnl	Tiniguiban, PPC, Palawan
9.	V-300 APC	331	Opnl	Sta Ana, Cagayan
10.	V-150 CDO (LARSU)	214	Opnl	PMRF, KHTB, Jolo, Sulu
11.	V-150 CDO (LARSU)	401	Opnl	Bud Seit, Panamao, Sulu
12.	V-300 APC	431	Opnl	PMRF, KHTB, Jolo, Sulu
13.	V-150 CDO (LARSU)	424	Opnl	Palimbang, Sultan Kudarat
14.	V-150 CDO (LARSU)	311	Opnl	Palimbang, Sultan Kudarat
15.	V-150 CDO (LARSU)	312	Opnl	Palimbang, Sultan Kudarat
16.	V-150 CDO OLD	205	Non Opnl	Lebak, Sultan Kudarat
17.	V-300 APC	332	Opnl	Lebak, Sultan Kudarat
18.	V-150 CDO OLD	208	Opnl	Bagong Calarian, Zamboanga City
19.	V-150 CDO (LARSU)	209	Opnl	Bagong Calarian, Zamboanga City
20.	V-300 APC	333	Opnl	Bagong Calarian, Zamboanga City
21.	V-300 APC	433	Opnl	Cabatangan, Zamboanga City
22.	V-300 APC	232	Opnl	Bagong Calarian, Zamboanga City
23.	V-300 APC	334	Opnl	Lebak, Sultan Kudarat
24.	V-150 CDO (PAF)	F301	Opnl	Villamor Air Base, Pasay City
25.	V-150 CDO (PAF)	F303	Non Opnl	Clark Air Base, Pampanga
26.	V-150 CDO (PAF)	F304	Opnl	TOG 10, Cagayan De Oro
27.	V-150 CDO (PAF)	F305	Opnl	Nasugbu, Batangas

### 2. Mobility Upgrade:

Nr	Type of LAV	Hull Nr	Status	Present Deployment
1.	V-150 CDO, OLD (Ambulance)	422	Opnl	MBRB, Taguig City
2.	V-150 CDO OLD (Ambulance)	313	Non Opnl	MBRB, Taguig City
3.	V-150 CDO OLD (Ambulance)	314	Non Opnl	MBRB, Taguig City
4.	V-150 CDO OLD	213	Opnl	MBRB, Taguig City
5.	V-150 CDO OLD	418	Non Opnl	MBRB, Taguig City
6.	V-150 CDO OLD	205	Non Opnl	Lebak, Sultan Kudarat
7.	V-150 CDO OLD	208	Opnl	Bagong Calarian, Zambo City



8.	<b>V-150 CDO (PAF)</b>	<b>F301</b>	<b>Opnl</b>	<b>Villamor Air Base, Pasay City</b>
9.	<b>V-150 CDO (PAF)</b>	<b>F303</b>	<b>Non Opnl</b>	<b>Clark Air Base, Pampanga</b>
10.	<b>V-150 CDO (PAF)</b>	<b>F304</b>	<b>Opnl</b>	<b>TOG 10, Cagayan De Oro</b>
11.	<b>V-150 CDO (PAF)</b>	<b>F305</b>	<b>Opnl</b>	<b>Nasugbu, Batangas</b>

**NOTE: V-150 Commando Vehicles that are in bold letters will undergo both One-Meter Turret and Mobility Upgrades.**