



Republic of the Philippines
Department of Transportation (DOTr)
MARITIME INDUSTRY AUTHORITY

PURCHASE ORDER

Supplier: FMC RESEARCH SOLUTIONS INC.	P.O. No.: 2024-01-002
Address: #2 Ideal St., Brgy. Addition Hills, Mandaluyong City	Date: January 05, 2024
TIN: _____	Mode of Procurement: Direct Contracting

Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery: MARINA, MANILA	Delivery Term: Full delivery within ten (10) months from the date of Notice to Proceed (NTP). Staggered deliveries are allowed w/in the prescribed period.
Date of Delivery: _____	Payment Term: Progress payment shall be made thirty (30) days from the date of delivery and acceptance by the MARINA.

Item No.	Unit	Description	Quantity	Unit Cost	Amount
Procurement of Seafarer's Identity Document (SID) Cards and Consumables for CY 2024					
1	pc.	SID CARD 1.1 Pre-printed Blank Card with Chip 1.1.1 Card Specification •Pre-printed Blank Card with Chip •ID Size: Based on TDI Dimension in ISO/IEC 7810 for the ID-1 Type card •53.98 x 85.60 mm (2.13 x 3.37 in) •Thickness: .076 mm 1.1.2 Card Materials Must have one (1) contactless chip, serial number, and barcode that will work on the existing Inventory tracking system and personalization system of the MDS, MARINA, which has the following properties: •5-layers of PVC overlays, PET Cores, PET Inlay •Contains one (1) contactless Integrated Circuit with a data storage capacity of at least 32 kilobytes NVM or EEPROM user memory, encoded and digitally signed •The security certification should be CC EAL 4+ or higher for hardware (chip) against Protection Profile acknowledged by CCRA •Secured triple-DES coprocessor •ISO/IEC 14443 A/B contactless interface unit (CIU) •NVM or EEPROM memory. EEPROM memory with typical endurance of 100,000 cycles: long term memory for minimum retention time of 15 years •Command set compliant to ISO/IEC 7816-4 •OS applications compatible to ICAO documents 9303 (LDS, BAC) •Module thickness strictly 250 microns maximum •PET inlay •Chip is compliant and compatible for encoding of SID Convention (Revised), 2003 (No. 185) compliant Data •With guilloche pattern/design in the pre-printed card. Guilloche background, produced using artwork securitization software used in the high security documents (e.g. banknotes and passports). Strictly following the current design. •Must use color-shifting ink (shifts from one color to another by tilting the ID) of at least 0.25m square inch on the "Chip inside" symbol, strictly following the current design. •Background microprinting smaller than 0.25 mm/0.7 pica points following the current design •Invisible image on background using UV (ultra violet) ink following the current design •Includes a pre-printed card inventory barcode compatible to the SID-SRB inventory system of MARINA •Should be compatible with MARINA's Fargo DTC5500 LMX, Dual Side Printer with two Material Lamination Module and current Personalization Software •The Manufacturer must be an ISO 14298 or Master/Visa Card certified. •For security reason, the blank card must be printed/produced inside a highly secured card production facility in the Philippines.	176,200	195.00	34,359,000.00
2		SID Card Laminates and Ribbons			

	rolls	<p>2.1 Secure SID Holographic and Clear Lamintes, in rolls</p> <p>2.1.1.The secure laminates for SID cards must be produced by a reputable holographic security label manufacturer who is a bearer of valid certifications, to ensure the highest international recognition and security, as follows:</p> <ul style="list-style-type: none"> •ISO 14298 (Management for Security Printing Processes); and •International Hologram Manufacturer Association (IHMA) membership for not less than five (5) years. <p>2.1.2.The laminates must be compatible with the current SID Card Printers (Fargo DTC5500 LMX, Dual Side Printer with Two Material Lamination Module) and SID-SRB Personalization Software of the MDS, MARINA.</p> <p>2.1.3.Must have dual side laminations with holographic gratings on the front side and clear laminate on the back.</p> <p>2.1.4.Each laminate roll must include a pre-printed card inventory barcode compatible with the current MDS, MARINA SID-SRB inventory and Personalization system.</p> <p>2.1.5.Holographic laminates must also have the following security features:</p> <p>1st Level Authentication:</p> <ul style="list-style-type: none"> •Gradual Iridescent Morphing of the MARINA "rainbow" logo image; •Colorful Diffractive Image of the PH emblem and text when tilted top/bottom; •MARINA logo appears in bright achromatic color and shows positive to negative effect upon vertical tilt; •The boat bar appears from top to middle view in white color, rendering a slight embossing effect; •When laminate is tilted left to right and observed around top view, white diffractive lines show kinetic animation; •When laminate is tilted left to right and observed around bottom view, diffractive lines show kinetic animation. <p>2nd Level Authentication:</p> <ul style="list-style-type: none"> •At closer examination of the MARINA logo on the laminate, the vertical achromatic switch can be observed upon 180-degree rotation; •High diffractive micro-lettering elements, readable with a magnifier(x10). <p>3rd Level Authentication:</p> <ul style="list-style-type: none"> •Very high-definition nano-texts pattern for forensic inspection •(> x 100 microscope) <p>2.1.6. Roll configuration –</p> <ul style="list-style-type: none"> •Quantity of patches per roll: 500 patches •Foil width: 84.1 +/- 0.15 mm •Final size hologram: 84.1 x 52.4 mm •No Leader/ No Trailer <p>2.1.7. Laminate Packaging –</p> <p>Each set of clear and holographic roll of laminate must be sufficient for laminating not less than 500 SID Printed Cards and identified with labels, as defined below:</p> <ul style="list-style-type: none"> •Product name •Article number •Production Batch Number •Date of manufacturing/ shipping •Quantity of laminates in the roll •Barcode including batch number must be readable by the current inventory system of MDS, MARINA <p>2.1.8. Roll and Box Packaging –</p> <p>Each roll must be placed inside a sealed box with dimension of 11 x 7 x 7.5cm for protection against water or dust. Each box must have its unique inventory barcode, readable by the current inventory system of MDS, MARINA.</p> <p>2.1.9. Shelf / Storage Life –</p> <p>The laminates must have a guaranteed shelf/ storage life of not less than 12 months from the delivery date to MARINA and must be in its original packaging.</p>	357	29,125.00	10,397,625.00
2.2	rolls	<p>SID Card Ribbon, in roll</p> <p>2.2.1 The ribbon must work and be compatible with the current MDS, MARINA SID personalization printer (Fargo DTC5500 LMX, Dual Side Printer with Two Material Lamination Module).</p> <p>2.2.2 Each roll of ribbon must be sufficient for printing not less than 425 SID Cards (back to back colored printing).</p> <p>2.2.3 Ribbon Inventory Barcode –</p> <p>Each SID card printer ribbon must be identified with an inventory barcode which is pre-printed and compatible with the existing SID inventory and personalization system of MDS, MARINA.</p>	420	16,468.75	6,916,875.00

		2.2.4 Shelf / Storage Life – The SID card printer ribbons must have a guaranteed shelf/ storage life of not less than 12 months from date of delivery to MARINA and must be in its' original packaging.			
3	pc	SID Printerhead for FARGO DTC5500 LMX printers 3.1 The printerhead must be compatible with Fargo DTC5500 LMX SID printer 3.2 Must use pigmented inks for all the colors for longer print life	14 pcs. of printerheads	72,000.00	1,008,000.00
4	pc	SID Cards Licenses 4.1 JURA ICI Security Feature License	For 176, 200 SID Blank Cards	10.00	1,762,000.00
	pc	4.2 PHOTOMETRIX SECURE Facial Code License for SID	For 176, 200 SID Blank Cards	20.00	3,524,000.00
		x-x-x-nothing follows-x-x-x-x			
		Purpose: For the Official use of SCDD, MDS MARINA and Satellite Office and MROs on the issuance of SID for FY 2024			

(Total Amount in Words) **FIFTY-SEVEN MILLION NINE HUNDRED SIXTY-SEVEN THOUSAND FIVE HUNDRED PESOS ONLY** ₱ **57,967,500.00**

In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed.

Very truly yours,

SONIA B. MALALUAN
Administrator

Conforme: 
Signature over Printed Name of Supplier
Date: JAN. 12, 2024

mm 12/24

Funds Available:  EDEN Z. EVANGELISTA Accounting Division	Obligation Request No. <u>02-10401-24-01-0019</u> Amount: <u>57,967,500.00</u>
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