



NOTICE OF AWARD

Date: DECEMBER 23, 2024

MR. JOHN ACHIELLES DENNA

Chairman of the Board/President

90 Degrees North Inc.

509 Emerald Court Bldg., No. 54 Rd 8 cor Rd 3, Proj 6, Quezon City

Dear Sir/Madam,

We are pleased to notify you that PhilRice awarded the procurement of the following:

PARTICULARS	DEPT/OFFICE	TOTAL AMOUNT
One (1) Lot Supply, Delivery, Installation, Testing and Commissioning of Two (2) Sets Camera under PB 24-04-48	Crop Biotechnology Center (CBC)	PhP1,500,000.00

In this connection, you are hereby required to immediately post a performance bond, the amount of which is in accordance with the provision of RA 9184 which was approved by the President of the Philippines on January 10, 2003 as indicated below:

Form of Performance Security	Amount of Performance Security (Equal to the Percentage of the Total Contract Price)
a) Cash or cashier's/manager's check issued by a Universal or Commercial Bank	Five percent (5%)
b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank.	
c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security and/or	Thirty percent (30%)
d) Any combination of the foregoing.	Proportionate to share of form with respect to total amount of security

Failure to post the performance bond within ten (10) calendar days upon receipt of this notice would mean a refusal to accept the award. Such is sufficient ground for PhilRice to impose administrative sanctions on your company. The contract/Purchase Order (PO) shall be released upon compliance with the requirement set forth herein. Kindly coordinate with the BAC Secretariat, at telephone number (044) 456-0650 regarding the above mentioned requirement or any inquiries.

Thank you very much.

Very truly yours,

Eduardo Jimmy P. Quilang

Officer-in-Charge, Office of the
Deputy Executive Director for
Research

Better Rice Communities.

Email: prri@mail.philrice.gov.ph Text Center: (+63) 917-111-7423

Websites: www.philrice.gov.ph, www.pinoyrice.com

Social Media: [web.facebook.com/DAPhilRice](https://www.facebook.com/DAPhilRice)

Liaison Office: 3rd Floor, ATI building, Elliptical Road, Diliman, Quezon City

Mobile No.: (+63)928-915-9628

NOA Control No.: 2024-12-0877 (C)




Philippine Rice Research Institute
Central Experiment Station
Maligaya, Science City of Muñoz, 3119 Nueva Ecija

Conforme:


ASHLEY QUINN S. MEDINA
SIGNATURE OVER PRINTED NAME
90 Degrees North Inc.

Better Rice Communities.

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List of Goods/Services for Award to 90 Degrees North Inc.

ITEM NO.	QTY	UNIT	ITEM DESCRIPTION	UNIT PRICE	TOTAL PRICE
1	2	set	<p>ICT equipment, Camera</p> <p>CANON CR-N300</p> <p>ITEM NO. 1: CAMERA SYSTEMS</p> <ul style="list-style-type: none">• Camera System: 2 units (4K PTZ Camera System)• Operating Condition: Indoor• Image Sensor: Type 1.0 (1.0 inch) single-plate CMOS sensor Total pixels: approx. 13.40 megapixels Effective pixels: approx. 8.29 megapixels (3840 x 2160)• Lens: f=8.3 – 124.5 mm, F/2.8 – 4.5, 9-bladed iris diaphragm 35mm equivalent focal length: approx. 25.5 (W) – 382.5mm (T)• Zoom: Optical: 15x Digital: 20x• Minimum Focusing Distance: 1 cm (0.39 in.) at full wide angle, 60 cm (2.0 ft.) throughout the zoom range• Angle Of View: Horizontal: 73.0 (W) – 5.7° (T) Vertical: 45.2° (W) – 3.2° (T)• Gain -6.0 – 33.0 Db• White Balance: AUTO (AWB), Set A, Set B, preset settings (daylight: 5,600 K*, tungsten lamp: 3,200 K*), colour temperature setting (2,000 K – 15,000 K), Manual *Colour temperatures are given for reference purposes only. Colour temperature and colour compensation (CC) adjustment available for all settings except custom white balance and AWB.• Video Output Format: 3G SDI 1920 x 1080: 59.94P/59.94i, 50.00P/50.00i/25.00P, 29.97P/23.98P (4:2:2 10 bit) 1280 x 720: 59.94P, 50.00P (4:2:2 10 bit) *Same video format required for SDI and HDMI (cannot select different formats for SDI and HDMI) *When 3840 x 2160 is selected for HDMI, video will not be outputted to SDI HDMI -3840 x 2160: 29.97P, 25.00P, 23.98P (4:2:2 10 bit) -1920 x 1080: 59.94P/59.94i, 50.00P/50.00i/25.00P, 29.97P/23.98P (4:2:2 10 bit) -1280 x 720: 59.94P, 50.00P (4:2:2 10 bit) *Same video format required for SDI and HDMI (cannot select different formats for SDI and HDMI) IP Frame frequency 59.94 Hz 1920 x 1080: 59.94fps, 29.97fps, 14.99fps, 5.00fps (4:2:0 8 bit) 1280 x 720: 59.94fps, 29.97fps, 14.99fps, 5.00fps (4:2:0 8 bit) 640 x 360: 59.94fps, 29.97fps, 14.99fps, 5.00fps (4:2:0 8 bit) Frame frequency: 29.97 Hz 3840 x 2160: 29.97fps, 14.99fps, 5.00fps (4:2:0 8 bit) 1920 x 1080: 29.97fps, 14.99fps, 5.00fps (4:2:0 8 bit) 1280 x 720: 29.97fps, 14.99fps, 5.00fps (4:2:0 8 bit)	750,000.00	1,500,000.00

Better Rice Communities.

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ITEM NO.	QTY	UNIT	ITEM DESCRIPTION	UNIT PRICE	TOTAL PRICE
			<p>640 x 360: 29.97fps, 14.99fps, 5.00fps (4:2:0 8 bit) Frame Frequency: 50.00 Hz 1920 x 1080: 50.00 fps, 25.00 fps, 12.50 fps, 5.00 fps (4:2:0 8 bit) 1280 x 720: 50.00 fps, 25.00 fps, 12.50 fps, 5.00 fps (4:2:0 8 bit) 640 x 360: 50.00 fps, 25.00 fps, 12.50 fps, 5.00 fps (4:2:0 8 bit) Frame Frequency: 25.00 Hz 3840 x 2160: 25.00 fps, 12.50 fps, 5.00 fps (4:2:0 8 bit) 1920 x 1080: 25.00 fps, 12.50 fps, 5.00 fps (4:2:0 8 bit) 1280 x 720: 25.00 fps, 12.50 fps, 5.00 fps (4:2:0 8 bit) 640 x 360: 25.00 fps, 12.50 fps, 5.00 fps (4:2:0 8 bit)</p> <p>Frame frequency 23.98 Hz 3840 x 2160: 23.98fps, 11.99fps, 5.99fps (4:2:0 8 bit) 1920 x 1080: 23.98fps, 11.99fps, 5.99fps (4:2:0 8 bit) 1280 x 720: 23.98fps, 11.99fps, 5.99fps (4:2:0 8 bit) 640 x 360: 23.98fps, 11.99fps, 5.99fps (4:2:0 8 bit)</p> <p>Depending on the selected frame frequency, JPEG is fixed to one pattern (fixed format, cannot be selected) Resolution: 1280 x 720 59.94/29.97 Hz: 14.99 fps 50.00/25.00 Hz: 12.50 fps 23.98 Hz: 11.99 fps USB</p> <p>• Supported Protocols Protocol: XC Protocol, RTSP/RTP, NDI HX, RTMP/RTMPS, Standard Communication (Serial), Standard Communication (IP), FreeD, SRT • Genlock Terminal BNC jack x 1, 1.0 Vp-p/75 Ω, input only • Mic Terminal 3.5 mm stereo mini jack (unbalanced, plug-in power supported) Sensitivity (MIC): -72 dBV (Manual volume center, full scale -18 dB)/1 kΩ or more/Att.: 20 dB Sensitivity (LINE): -10 dBV (Manual volume center, full scale -18 dB)/1 kΩ or more Supply Voltage: 2.4 V DC (Bias resistance: 2.2 kΩ) • Input 1 / Input 2 Terminals INPUT (3-pin jack) (pin1: shield, pin2: hot, pin3: cold), 2 sets, balanced Sensitivity (MIC): -60 dBu (Manual volume center, full scale -18 dB)/600 Ω/Att.: 20 dB Sensitivity (LINE): +4 dBu (Manual volume center, full scale -18 dB)/1 kΩ or more Supply Voltage: 48 V DC (Bias resistance: 6.8 kΩ) • Power Supply PoE: PoE+ power supply via LAN connector (IEEE802.3at compliant) – PoE cannot be used External power source: 24V DC (using included AC adaptor)</p> <p>ITEM NO. 2: RC-IP 100 PTZ Camera Controller (2 UNITS) •Pan, tilt, zoom effortlessly with this high-quality controller featuring a multi-function joystick and intuitive touchscreen for easy control of up to 100</p>		

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		<p>cameras over IP.</p> <ul style="list-style-type: none">• 7-inch Touchscreen• Multi-function Joystick• Professional Zoom Rocker• Customisable Controls• Flexible Connectivity <p>The Auto Tracking Application elevates the remote PTZ camera experience, enabling automatic tracking of speakers or other specified individuals during diverse events such as commercial presentations and lectures.</p> <p>Settings such as auto tracking start/stop, display size of the tracking subject, auto zoom function, tracking sensitivity, and auto select of tracking subject can be selected from the menu.</p> <ul style="list-style-type: none">• Tally: D-sub 9-pin x 1 <p>ITEM NO. 3 ATEM MINI EXTREME IO SWITCHER</p> <ul style="list-style-type: none">• Video Live Stream Switcher (x1) Specs:• Total Video Inputs: 8• Total Outputs: 4• Total Aux Outputs: 2• Total Audio Inputs: 2 x 3.5mm stereo mini jack• Total Audio Outputs: 1 x 3.5mm stereo mini jack• HDMI Video Inputs: 8 x HDMI type A, 10-bit HD switchable, 2 channel embedded audio• Video Input Re-Sync: On all 8 HDMI inputs• HDMI Program Outputs: 2• Ethernet supports 10/100/1000 BaseT for live streaming• Computer Interface: 2 x USB Type-C 3.1 Gen 1 for external drive recording• Video Sampling: 4:2:2 YUV• Color Precision: 10-bit• Color Space: Rec 709• HDMI Input Resolutions from Computers: 1280 x 720p 50Hz, 59.94Hz and 60Hz 1920 x 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94 and 60Hz 1920 x 1080i 50, 59.94Hz and 60Hz• Multi View Monitoring: Configurable to 16, 13, 10, 7 or 4 up views including Program, Preview, 8 HDMI inputs, SuperSource, Clean Feed, Media Player, Streaming Status, Recording Status and Audio Meters• Audio Mixer: 11 input x 2 channel mixer• Upstream Keyers: 4• Downstream Keyers: 232• Total Number of Layers: 9• Pattern Generators: 5• Advanced Chroma Keyers: Up to 4• Color Generators: 2• Minimum monitor resolution of 1366 x 768• Analog Input Delay: Up to 8 frames• Max Input Level: +6dBV• Supports direct live streaming using internet connection over USB C.• Media Pool Still Image Format: PNG,		
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		<p>TGA, BMP, GIF, JPEG and TIFF.</p> <ul style="list-style-type: none">• Media Format: Supports media formatted ExFAT or HFS+ file system• Black finished <p>ITEM NO. 5 TRIPOD (2 UNITS)</p> <ul style="list-style-type: none">• Tripod that supports that PTZ Camera System• Head Mount Type: 3/8 inches - 16 male• Maximum Working Height: 85.1 inches/216.2cm• Minimum Working Height: 18.7 inches/47.5 cm• Primary Material: Aluminum• Load Capacity: 44.1 lb/20kg• Weight: 6.8lb/3.1 kg• Leg Lock: Twist Lock• Leg Sections: 3• Independent Leg Spread: Yes• Foot Features: Spiked Retractable" <p>ITEM NO. 6: CISCO CBS350-8FP-E-2G MANAGED NETWORK SWITCH</p> <p>2G Managed Network Switch (x1):</p> <ul style="list-style-type: none">• SWITCH PORTS: 8-Port 10/100/1000 plus 2 x 1GE copper/SFP combo• PoE: 8 PoE ports with 120W total power budget, PoE, PoE+• PoE Budget: 120w• Management Type: Managed• Static routing, QoS, Voice/Guest VLAN, GVRP, MSTP, Time-based Access Control Lists, IPv6"• "Advanced 802.1x, Web-based, Authentication, IP Source Guard, IPv6 First Hop Security, Dynamic ARP inspection• Power Supply is external• Mounting Options: Desktop or Rackmount• Maximum Power: 1.2E+2 Watts <p>ITEM NO. 7: HARD CASE (FLIGHT CASE)</p> <ul style="list-style-type: none">• Size should handle the Two PTZ Cameras and Accessories <p>ITEM NO. 8: CONSUMABLES</p> <ul style="list-style-type: none">• 1 Trucable All-In-One Pass Through RJ45 Crimp Tool• 1 Roll Ethernet Cable CAT6• 100pcs RJ45 Connectors• 50pcs BNC Connector• 1 Roll SDI Cable• 1 Multifunction cable tester <p>ITEM NO. 9: ASUS ROG STRIX G15 LAPTOP</p> <ul style="list-style-type: none">• Processor: 8-core/16-thread, 20MB cache, up to 4.9 GHz max boost• Display: 15.6" WQHD (2560 x 1440) 16:9, 165Hz, IPS Level, 300 Nits, Anti-Glare Display• Memory: 32GB DDR5-4800 SO-DIMM (16GB x 2)• Storage: 1TB PCIe® 4.0 NVMe™ M.2 SSD• Laptop GPU: ROG Boost: 1595MHz* at 150W (1545MHz Boost Clock+50MHz OC, 125W+25W Dynamic Boost), 8GB GDDR6• Windows 11 Home Genuine License• MS Office Home and Student• Display: 1x HDMI 2.0b• Audio: 1x 3.5mm Combo Audio Jack• Speakers: 2-speaker system with Smart Amplifier Technology		
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		<ul style="list-style-type: none">• 1x RJ45 LAN port• 1x USB 3.2 Gen 2 Type-C• 1x USB 3.2 Gen 2 Type-C support DisplayPort™ / power delivery / G-SYNC• 2x USB 3.2 Gen 1 Type-A• Wireless Connectivity: Wi-Fi 6E(802.11ax) (Dual band) 2*2 + Bluetooth 5.2 - RangeBoost• Battery: 90WHrs, 4S1P, 4-cell Li-ion• With Black Colored High-Quality Laptop Backpack• With Wireless Rechargeable Mouse Type-C (Bluetooth/Wifi Dongle Connection) Black finished <p>Other Requirements:</p> <ol style="list-style-type: none">1. With certificate of distributorship.2. With 1-day training on basic operation and troubleshooting for 5 or more staff.3. Must be fully operational upon delivery. Ensure all necessary adapters are included for compatibility to other IT equipment, even if not explicitly mentioned.4. 1-year warranty to all the components for preventive maintenance.		
				1,500,000.00

