



DEPARTMENT OF ENERGY

Energy Center, Rizal Drive cor. 34th St.,
Bonifacio Global City, Taguig

QUINTUPLICATE

PR No. 02-0101-2024-02-0052

PMD-QF-17
27 October 2023
Rev. 2

PURCHASE ORDER

Supplier: **ROHDE & SCHWARZ (PHILIPPINES) INC.**
Address: **Unit 1601A BDO Equitable Tower, 8751 Paseo De Roxas Avenue, Makati City**
N: _____P.O. No.: **2024-03-048**
Date: **13-Mar-2024**
Mode of Procurement: **AMP 50.c**

Reso No. 051 s. 2024

Gentlemen: **MR. RODEL GALVAN**

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

Place of Delivery: **DEPARTMENT OF ENERGY, Energy Center, Rizal Dr., BGC, Taguig City**
C. Soriano (ERTLS-LATD)
Date of Delivery: _____
Delivery Term: **Ninety (90) days upon receipt of Purchase Order (PO)**
Payment Term: **Payment will be processed within 30 days upon completion of services, submission of all required documents, & issuance of certificate of acceptance from the end-user. Payment is through LDDAP-ABA subject to government budgeting, accounting and auditing rules.**

Stock/Property No.	Unit	Description	Quantity	Unit Cost	Amount
	Lot	SERVICES FOR CALIBRATION OF AUDIO VIDEO TESTING FACILITY EQUIPMENT OF LATL Rohde & Schwarz (DVSG) Digital Video Signal Generator (SN 100808) Rohde & Schwarz UPP400 Audio Analyzer (SN 140110) See attached Terms of Reference (TOR) for other details. *Subject to deduction of allowed government taxes on total amount.			₱ 799,829.90
				TOTAL AMOUNT	₱799,829.90

(Amount in Words) **Seven Hundred Ninety-Nine Thousand Eight Hundred Twenty-Nine Pesos and Ninety Centavos only**

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 on the underdelivered item/s.

This PO serves as the Notice to Proceed (NTP) when signed by the Supplier.

Conforme:

Very Truly yours:

Signature over Printed Name of Supplier

Signature over Printed Name of Authorized Official

Republic of the Philippines
DEPARTMENT OF ENERGY
Energy Center, Rizal Drive, Bonifacio
Global City, Taguig City

Original Voucher
Duplicate-GSD
Supply
Quadruplicate-Contractor

J. O. No.: **02-0101-2024-02-0052**
Date : **21 March 2024**

JOB ORDER

To: **ROHDE & SCHWARZ PHILIPPINES INC.**

Unit 1601A BDO Equitable Bank Tower Condominium
8751 Paseo de Roxas 1226 Makati City

Attention: **Mr. Rodel Galvan**

Gentlemen:

You are hereby authorized to undertake the works indicated below. Delivery shall be within 90 calendar days upon receipt of this Job Order.


JOB DESCRIPTION	UNIT COST	TOTAL COST										
Procurement of Services for the Calibration of the Audio Video Testing Facility Equipment of LATL	799,829.90	799,829.90										
SCOPE OF WORK:												
1. Conduct calibration services of the following equipment/instruments of Audio Video Testing Facility of LATL.												
1.1. Rohde & Schwarz (DVSG) Digital Video Signal Generator - is used as Baseband Generator that produces TV test streams to Equipment Under Test (EUT) HDMI, component and composite video inputs. At the same time, the R&S DVSG feeds the test stream into RF Generator to be modulated into RF signals.												
<table><tr><td>R&S DVSG</td><td>Functions/Parameters to be calibrated</td></tr><tr><td>R&S DVSG-B30</td><td>AV Signal Player including Signal Library</td></tr><tr><td>R&S DVSG-K10</td><td>AV Signal Generator including Signal Library</td></tr><tr><td>R&S DVSG-K20</td><td>TS Player and Recorder including SDTV TS Library</td></tr><tr><td>R&S DVSG-K30</td><td>SDI/HD-SDI Output DVSG-B30 or K10</td></tr></table>			R&S DVSG	Functions/Parameters to be calibrated	R&S DVSG-B30	AV Signal Player including Signal Library	R&S DVSG-K10	AV Signal Generator including Signal Library	R&S DVSG-K20	TS Player and Recorder including SDTV TS Library	R&S DVSG-K30	SDI/HD-SDI Output DVSG-B30 or K10
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R&S DVSG-B30	AV Signal Player including Signal Library											
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R&S DVSG-K30	SDI/HD-SDI Output DVSG-B30 or K10											
The R&S DVSG Digital Video Signal Generator was last calibrated on February 02, 2021 at Rohde & Schwarz Germany.												
1.2 Rohde & Schwarz UPP400 Audio Analyzer is used to measure the audio level output from the Equipment Under Test (EUT) speakers.												
<table><tr><td>R&S UPP400</td><td>Functions/Parameters to be calibrated</td></tr><tr><td></td><td>Audio Analyzer, 4 Analog Measurement Channels</td></tr><tr><td></td><td>Dual-Channel Generator</td></tr><tr><td></td><td>DC to 80kHz</td></tr></table>			R&S UPP400	Functions/Parameters to be calibrated		Audio Analyzer, 4 Analog Measurement Channels		Dual-Channel Generator		DC to 80kHz		
R&S UPP400	Functions/Parameters to be calibrated											
	Audio Analyzer, 4 Analog Measurement Channels											
	Dual-Channel Generator											
	DC to 80kHz											
The R&S UPP400 Audio Analyzer was last calibrated on January 28, 2021 at Rohde & Schwarz Germany.												
**Note The quality manual of LATL requires that these equipment be re-calibrated every three (3) years. These are highly sensitive and expensive equipment therefore it must be handles with extreme care.												
2. Requirements for the Competence of Calibration Laboratories.												
3. After calibration, the above equipment shall function as specified in User's Manual.												
4. Provision of traceable ISO 17025:2017 accredited calibration reports/certificate with calibration data for full range calibration as per user's/operator's manual.												

Re: The acceptance and execution of this order implies your conformity to all above conditions and the conditions stated at the back hereof upon affixing your signature on the space provided below.


Very truly yours,


Isagani C. Soriano

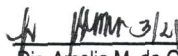
Noted by:


Dir. Elisa B. Morales

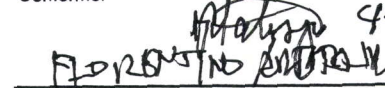
Budget Appropriation:


Ryan S. Domasig

Approved by:


Dir. Amelia M. de Guzman, CESO IV

Conforme:


Contractor/Date