



ASTI-FM 03-11
REV 1/08 JUN 2022

**DOST-ASTI Bids and Awards Committee
Invitation to Bid (Public Bidding)**

IB No:	23-07-4467	Date:	August-09-2023
PR No:	GAA-23-06-17005	Date:	June-16-2023
Source of Funds:			
Total ABC:	Php 8,687,000.00		
Time, Date & Venue of Pre-bid Conference:	August 17, 2023, 9:00 AM at Videoconferencing (MS Teams)		
Time and Date of Submission of Bids:	August 29, 2023, 09:00 AM		
Time, Date & Venue of Opening Bids:	August 29, 2023, 9:30 AM at DOST-ASTI and Videoconferencing (MS Teams)		
Date of availability of Complete Set of Documents:	August 10, 2023		
Deadline of Potential Bidder's Clarifications:	August 19, 2023		
Deadline of ASTI's Supplemental Bid Bulletin:	August 22, 2023		
Delivery Schedule:			

The *Department of Science and Technology (DOST) - Advanced Science and Technology Institute (ASTI)*, through its Bids and Awards Committee (BAC), hereby invites all interested Bidders to submit their bids for the *item/s* listed below. *Section II. Instructions to Bidders (ITB) of the DOST-ASTI Bidding Documents provides information necessary for bidders to prepare responsive bids, in accordance with the requirements of DOST-ASTI. The ITB likewise provides information on bid submission, eligibility check, opening and evaluation of bids, post-qualification, and award of contract.*

Bidding will be conducted through open competitive bidding procedures *using a non-discretionary "pass/fail" criterion as specified in the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184.*

A complete set of *DOST-ASTI Bidding Documents may be acquired by interested Bidders on the date and address given on this document, and upon payment of the applicable fee, pursuant to the latest Guidelines issued by the Government Procurement Policy Board. Further, the DOST-ASTI Bidding Documents may be accessed through the DOST-ASTI website (<https://asti.dost.gov.ph/>).*

For further inquiries, *you may contact the DOST-ASTI BAC Secretariat at telephone number +63 2 8249-8500 / +63 2 8426-9755 local 1206/1212 or send your message to bac-sec@asti.dost.gov.ph .*

Respectfully,

BAYANI BENJAMIN R. LARA
BAC Chairperson

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	<p>RECALIBRATION OF EMC TEST EQUIPMENT</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders/service providers for the calibration of Seventy-Six (76) Electromagnetic Compatibility (EMC) Test Equipment located at Electronic Product Development Center (EPDC), in compliance with the standard outlined in ISO17025:2017, as well as for the continuous maintenance of EPDC EMC Laboratory.</p> <p>1.2. The Approved Budget for the Contract is inclusive of all applicable government taxes and services charges.</p>	1	lot	8687000.00	8,687,000.00

2. TECHNICAL SPECIFICATIONS

2.1. Calibration services for the following EMC Test Equipment in accordance with ISO 17025:2017 standards:

2.1.1. One (1) Unit - Rohde & Schwarz Bilog Antenna

2.1.1.1. Model: CBL6143A

2.1.1.2. Serial Number: 36664

2.1.1.3. Property Number: 00-21-605-140-00006

2.1.1.4. Calibration Specification: According to ANSI C63.5:2017

2.1.1.5. Functionality: Electromagnetic Emission

2.1.1.6. Budget: Php 92,000.00

2.1.2. One (1) Unit - Rohde & Schwarz Biconical Dipole Antenna

2.1.2.1. Model: HK116

2.1.2.2. Serial Number: 100620

2.1.2.3. Property Number: 00-21-605-140-00009

2.1.2.4. Calibration Specification: According to ANSI C63.5:2017

2.1.2.5. Functionality: Electromagnetic Emission

2.1.2.6. Budget: Php 62,000.00

2.1.3. One (1) Unit - Rohde & Schwarz Log Periodic Antenna

2.1.3.1. Model: HL223

2.1.3.2. Serial Number: 100588

2.1.3.3. Property Number: 00-21-605-140-00010

2.1.3.4. Calibration Specification: According to ANSI C63.5:2017

2.1.3.5. Functionality: Electromagnetic Emission

2.1.3.6. Budget: Php 62,000.00

2.1.4. One (1) Unit - Rohde & Schwarz Artificial Mains Network (3Phase)

2.1.4.1. Model: ESH2-25

2.1.4.2. Serial Number: 100439

2.1.4.3. Property Number: 00-21-605-140-00018

2.1.4.4. Calibration Specification: According to CISPR16-1-2

2.1.4.5. Functionality: Electromagnetic Emission

2.1.4.6. Budget: Php 150,000.00

2.1.5. One (1) Unit - Rohde & Schwarz EMI Receiver
2

2.1.5.1. Model: ESU26

2.1.5.2. Serial Number: 100536

2.1.5.3. Property Number: 00-21-605-140-00001

2.1.5.4. Calibration Specification: According to CISPR16-1-1:2015 Ed.4.0

2.1.5.5. Functionality: Electromagnetic Emission

2.1.5.6. Budget: Php 640,000.00

2.1.6. One (1) Unit - Rohde & Schwarz Broadband Horn Antenna

2.1.6.1. Model: BBHA9120E

2.1.6.2. Serial Number: 9120E-582

2.1.6.3. Property Number: 00-21-605-140-00008

2.1.6.4. Calibration Specification: According to ANSI

C63.5:2017 1-10GHz

2.1.6.5. Functionality: Electromagnetic Emission

2.1.6.6. Budget: Php 72,000.00

2.1.7. One (1) Unit - Rohde & Schwarz Horn Antenna
High Freq

2.1.7.1. Model: HF907

2.1.7.2. Serial Numbers: 4070702200
102369

2.1.7.3. Property Number: 00-21-605-140-00007

2.1.7.4. Calibration Specification: According to ANSI
C63.5:2017 0.8-18GHz

2.1.7.5. Functionality: Electromagnetic Emission

2.1.7.6. Budget: Php 71,000.00

2.1.8. One (1) Unit - Rohde & Schwarz Loop Antenna

2.1.8.1. Model: HFH2-Z2

2.1.8.2. Serial Number: 100381

2.1.8.3. Property Number: 00-21-605-140-00012

2.1.8.4. Calibration Specification: According to Tokin
A2LA

2.1.8.5. Functionality: Electromagnetic Emission

2.1.8.6. Budget: Php 120,000.00

2.1.9. One (1) Unit - Rohde & Schwarz Pulse Limiter
w/ 10dB ATT

2.1.9.1. Model: ESH3-Z2

2.1.9.2. Serial Number: 101865

2.1.9.3. Property Number: 00-21-605-140-00017

2.1.9.4. Calibration Specification: S21 Insertion Loss

2.1.9.5. Functionality: Electromagnetic Emission

2.1.9.6. Budget: Php 53,000.00

2.1.10. Two (2) Units - Rohde & Schwarz RAM
(50ohm - 75ohm)

2.1.10.1. Model: RAM

2.1.10.2. Serial Numbers: SER101746
101745

2.1.10.3. Property Number: 00-21-605-140-00031

2.1.10.4. Calibration Specification: S21 Insertion Loss

2.1.10.5. Functionality: Electromagnetic Emission

2.1.10.6. Budget: Php 73,000.00

2.1.11. One (1) Unit - Rohde & Schwarz Rod Antenna

2.1.11.1. Model: HF H2-Z6

2.1.11.2. Serial Number: 100559

2.1.11.3. Property Number: 00-21-605-140-00011

2.1.11.4. Calibration Specification: ARP958 ESCM

2.1.11.5. Functionality: Electromagnetic Emission

2.1.11.6. Budget: Php 50,000.00

2.1.12. One (1) Unit - Rohde & Schwarz DC Power
Supply

2.1.12.1. Model: HZ-9

2.1.12.2. Serial Number: 101556

2.1.12.3. Property Number: 00-21-605-140-00012

2.1.12.4. Calibration Specification: Accessories to
Rod Antenna

2.1.12.5. Functionality: Electromagnetic Emission

2.1.12.6. Budget: Php 35,000.00

2.1.13. One (1) Unit - Rohde & Schwarz Two Line V - Network (2 Phase)

2.1.13.1. Model: ENV216

2.1.13.2. Serial Number: 101749

2.1.13.3. Property Number: 00-21-605-140-00017

2.1.13.4. Calibration Specification: According to CISPR16-1-2

2.1.13.5. Functionality: Electromagnetic Emission

2.1.13.6. Budget: Php 53,000.00

2.1.14. One (1) Unit - Rohde & Schwarz - V - Network 1 (DC)

2.1.14.1. Model: ESH3-Z6

2.1.14.2. Serial Number: 101081

2.1.14.3. Property Number: 00-21-605-140-00019

2.1.14.4. Calibration Specification: According to CISPR16-1-2

2.1.14.5. Functionality: Electromagnetic Emission

2.1.14.6. Budget: Php 75,000.00

2.1.15. One (1) Unit - Rohde & Schwarz - V - Network 2 (DC)

2.1.15.1. Model: ESH3-Z6

2.1.15.2. Serial Number: 101082

2.1.15.3. Property Number: 00-21-605-140-00020

2.1.15.4. Calibration Specification: According to CISPR16-1-2

2.1.15.5. Functionality: Electromagnetic Emission

2.1.15.6. Budget: Php 73,000.00

2.1.16. One (1) Unit - Maturo Absorbing Clamp

2.1.16.1. Model: MDS-21

2.1.16.2. Serial Number: 100644

2.1.16.3. Property Number: 00-21-605-140-00032

2.1.16.4. Calibration Specification: Tokin A2LA Decoupling Clamp, 6dB Attenuator and RF Cable are required with MDS21.

2.1.16.5. Functionality: Electromagnetic Emission

2.1.16.6. Budget: Php 200,000.00

2.1.17. One (1) Unit - Rohde & Schwarz Current Probe

2.1.17.1. Model: EZ-17

2.1.17.2. Serial Number: 100782

2.1.17.3. Property Number: 00-21-605-140-00001

2.1.17.4. Calibration Specification: S21 Insertion Loss

2.1.17.5. Functionality: Electromagnetic Emission

2.1.17.6. Budget: Php 340,000.00

2.1.18. One (1) Unit - Rohde & Schwarz Passive Probe

2.1.18.1. Model: ESH2-Z3

2.1.18.2. Serial Number: 100323

2.1.18.3. Property Number: 00-21-605-140-00021

2.1.18.4. Calibration Specification: S21 Insertion Loss

2.1.18.5. Functionality: Electromagnetic Emission

2.1.18.6. Budget: Php 70,000.00

2.1.19. One (1) Unit - Rohde & Schwarz Signal Conditioning Unit 1

2.1.19.1. Model: SCU-01

2.1.19.2. Serial Number: 100591
2.1.19.3. Property Number: 00-21-605-140-00014
2.1.19.4. Calibration Specification: S21 Gain, S11
Input, S22 Output VSWR
2.1.19.5. Functionality: Electromagnetic Emission
2.1.19.6. Budget: Php 120,000.00

2.1.20. One (1) Unit - Rohde & Schwarz Signal
Conditioning Unit 2
2.1.20.1. Model: SCU-03
2.1.20.2. Serial Number: 100311
2.1.20.3. Property Number: 00-21-605-140-00015
2.1.20.4. Calibration Specification: S21 Gain, S11
Input, S22 Output VSWR
2.1.20.5. Functionality: Electromagnetic Emission
2.1.20.6. Budget: Php 120,000.00

2.1.21. One (1) Unit - Rohde & Schwarz Signal
Conditioning Unit 3
2.1.21.1. Model: SCU-18
2.1.21.2. Serial Number: 102211
2.1.21.3. Property Number: 00-21-605-140-00016
2.1.21.4. Calibration Specification: S21 Gain, S11
Input, S22 Output VSWR
2.1.21.5. Functionality: Electromagnetic Emission
2.1.21.6. Budget: Php 120,000.00

2.1.22. One (1) Unit - Schwarzbeck Log Periodic
Antenna
2.1.22.1. Model: STLP9128ES
2.1.22.2. Serial Number: 3092
2.1.22.3. Property Number: 00-19-605-140-00009
2.1.22.4. Calibration Specification: VSWR
2.1.22.5. Functionality: Electromagnetic Immunity
2.1.22.6. Budget: Php 110,000.00

2.1.23. One (1) Unit - Schwarzbeck Log Periodic
Antenna
2.1.23.1. Model: STLP9129
2.1.23.2. Serial Number: 3007
2.1.23.3. Property Number: 01-19-605-140-00008
2.1.23.4. Calibration Specification: VSWR
2.1.23.5. Functionality: Electromagnetic Immunity
2.1.23.6. Budget: Php 110,000.00

2.1.24. One (1) Unit - Schwarzbeck Horn Antenna
2.1.24.1. Model: BBHA9120J
2.1.24.2. Serial Number: 193
2.1.24.3. Property Number: 01-19-605-140-00010
2.1.24.4. Calibration Specification: VSWR
2.1.24.5. Functionality: Electromagnetic Immunity
2.1.24.6. Budget: Php 110,000.00

2.1.25. One (1) Unit - AR Field Probe Kit, Probe and
Laser Probe Interface
2.1.25.1. Model: FL7006
2.1.25.2. Serial Number: 353306 0352994
0353190
2.1.25.3. Property Number: 01-19-605-140-00034
2.1.25.4. Calibration Specification: According to Tokin
A2LA

2.1.25.5. Functionality: Electromagnetic Immunity
2.1.25.6. Budget: Php 350,000.00

2.1.26. One (1) Unit - Bird Attenuator

2.1.26.1. Model: 150-AFNN20
2.1.26.2. Serial Number: 1451298
2.1.26.3. Property Number: 01-19-650-140-00001
2.1.26.4. Calibration Specification: S21 Insertion Loss
2.1.26.5. Functionality: Electromagnetic Immunity
2.1.26.6. Budget: Php 240,000.00

2.1.27. One (1) Unit - Bird Attenuator

2.1.27.1. Model: 150-A-FFN6
2.1.27.2. Serial Number: 1451299
2.1.27.3. Property Number: 01-19-650-140-00002
2.1.27.4. Calibration Specification: S21 Insertion Loss
2.1.27.5. Functionality: Electromagnetic Immunity
2.1.27.6. Budget: Php 240,000.00

2.1.28. One (1) Unit - Bird Attenuator

2.1.28.1. Model: 100-A-MFN-20
2.1.28.2. Serial Number: 1454280
2.1.28.3. Property Number: 01-19-650-140-00003
2.1.28.4. Calibration Specification: S21 Insertion Loss
2.1.28.5. Functionality: Electromagnetic Immunity
2.1.28.6. Budget: Php 240,000.00

2.1.29. One (1) Unit - Bird RF Load

2.1.29.1. Model: 10-MT-MN
2.1.29.2. Serial Number: 1453937
2.1.29.3. Property Number: 01-19-605-140-00017
2.1.29.4. Calibration Specification: S11 Impedance
2.1.29.5. Functionality: Electromagnetic Immunity
2.1.29.6. Budget: Php 60,000.00

2.1.30. One (1) Unit - Bird RF Load

2.1.30.1. Model: 8860
2.1.30.2. Serial Number: 185100572
2.1.30.3. Property Number: 01-19-605-140-00017
2.1.30.4. Calibration Specification: S11 Impedance
2.1.30.5. Functionality: Electromagnetic Immunity
2.1.30.6. Budget: Php 60,000.00

2.1.31. One (1) Unit - Bird RF Load

2.1.31.1. Model: BCT 0218-500
2.1.31.2. Serial Number: 1825514-08
2.1.31.3. Property Number: 01-19-605-140-00029
2.1.31.4. Calibration Specification: S11 Impedance
2.1.31.5. Functionality: Electromagnetic Immunity
2.1.31.6. Budget: Php 60,000.00

2.1.32. One (1) Unit - Ametek CTS Coupling
Decoupling Network

2.1.32.1. Model: CDN M116
2.1.32.2. Serial Number: 54017
2.1.32.3. Property Number: 01-19-605-140-00018
2.1.32.4. Calibration Specification: According to
IEC61000-4-6
2.1.32.5. Functionality: Electromagnetic Immunity
2.1.32.6. Budget: Php 32,000.00

2.1.33. One (1) Unit - Ametek CTS Coupling Decoupling Network

2.1.33.1. Model: CDN M016S

2.1.33.2. Serial Number: 55154

2.1.33.3. Property Number: 01-19-605-140-00019

2.1.33.4. Calibration Specification: According to IEC61000-4-6

2.1.33.5. Functionality: Electromagnetic Immunity

2.1.33.6. Budget: Php 32,000.00

2.1.34. One (1) Unit - Ametek CTS Coupling Decoupling Network

2.1.34.1. Model: CDN USB/CS

2.1.34.2. Serial Number: 540002

2.1.34.3. Property Number: 01-19-605-140-00020

2.1.34.4. Calibration Specification: According to IEC61000-4-6

2.1.34.5. Functionality: Electromagnetic Immunity

2.1.34.6. Budget: Php 80,000.00

2.1.35. One (1) Unit - Ametek CTS Coupling Decoupling Network

2.1.35.1. Model: CDN T8S

2.1.35.2. Serial Number: 51984

2.1.35.3. Property Number: 01-19-605-140-00021

2.1.35.4. Calibration Specification: According to IEC61000-4-6

2.1.35.5. Functionality: Electromagnetic Immunity

2.1.35.6. Budget: Php 45,000.00

2.1.36. One (1) Unit - Ametek CTS EM Clamp

2.1.36.1. Model: KEMZ801AS50

2.1.36.2. Serial Number: 54084

2.1.36.3. Property Number: 01-19-605-140-00022

2.1.36.4. Calibration Specification: According to IEC61000-4-6

2.1.36.5. Functionality: Electromagnetic Immunity

2.1.36.6. Budget: Php 110,000.00

2.1.37. One (1) Unit - Ametek CTS RF Clamp Attenuation Clamp

2.1.37.1. Model: KEMA 801B

2.1.37.2. Serial Number: 540084

2.1.37.3. Property Number: 01-19-605-140-00023

2.1.37.4. Calibration Specification: According to IEC61000-4-6

2.1.37.5. Functionality: Electromagnetic Immunity

2.1.37.6. Budget: Php 70,000.00

2.1.38. One (1) Unit - Ametek CTS Current Injection (BCI)

2.1.38.1. Model: CIP9136A

2.1.38.2. Serial Number: 540037

2.1.38.3. Property Number: 01-19-605-140-00024

2.1.38.4. Calibration Specification: According to ISO11452-4

2.1.38.5. Functionality: Electromagnetic Immunity

2.1.38.6. Budget: Php 110,000.00

2.1.39. One (1) Unit - Ametek CTS Calibration Jig for Current Probes

2.1.39.1. Model: PCJ 9201B
2.1.39.2. Serial Number: 53865
2.1.39.3. Property Number: 01-19-605-140-00025
2.1.39.4. Calibration Specification: According to ISO11452-4
2.1.39.5. Functionality: Electromagnetic Immunity
2.1.39.6. Budget: Php 50,000.00

2.1.40. One (1) Unit - Ametek CTS Monitoring Probe
2.1.40.1. Model: MD4070
2.1.40.2. Serial Number: 540100
2.1.40.3. Property Number: 01-19-605-140-00026
2.1.40.4. Calibration Specification: According to ISO11452-4
2.1.40.5. Functionality: Electromagnetic Immunity
2.1.40.6. Budget: Php 73,000.00

2.1.41. One (1) Unit - Ametek CTS Multi-Transient Generator
2.1.41.1. Model: NX5BSP-1
2.1.41.2. Serial Number: P1913228444
2.1.41.3. Property Number: 01-19-605-140-00042
2.1.41.4. Calibration Specification: Burst/Surge/Magnetics According to IEC61000-4-4, -5,-8
2.1.41.5. Functionality: Electromagnetic Immunity
2.1.41.6. Budget: Php 350,000.00

2.1.42. One (1) Unit - Ametek CTS High Speed Telecom Line Coupler
2.1.42.1. Model: CNV 508T5-300
2.1.42.2. Serial Number: P1806214117
2.1.42.3. Property Number: 01-19-605-140-00043
2.1.42.4. Calibration Specification: According to IEC61000-4-5
2.1.42.5. Functionality: Electromagnetic Immunity
2.1.42.6. Budget: Php 155,000.00

2.1.43. One (1) Unit - Ametek CTS Ethernet CDN
2.1.43.1. Model: CNI508N2
2.1.43.2. Serial Number: P1910227714
2.1.43.3. Property Number: 01-19-605-140-00044
2.1.43.4. Calibration Specification: According to IEC61000-4-5
2.1.43.5. Functionality: Electromagnetic Immunity
2.1.43.6. Budget: Php 145,000.00

2.1.44. One (1) Unit - Ametek CTS Capacitive Coupling Clamp
2.1.44.1. Model: CDN3425
2.1.44.2. Serial Number: 3183
2.1.44.3. Property Number: 01-19-605-140-00045
2.1.44.4. Calibration Specification: According to IEC61000-4-4
2.1.44.5. Functionality: Electromagnetic Immunity
2.1.44.6. Budget: Php 80,000.00

2.1.45. One (1) Unit - Ametek CTS Magnetic Field Test Antenna
2.1.45.1. Model: MFC1000.1
2.1.45.2. Serial Number: P1912228052

2.1.45.3. Property Number: 01-19-605-140-00047
2.1.45.4. Calibration Specification: Including NX5
2.1.45.5. Functionality: Electromagnetic Immunity
2.1.45.6. Budget: Php 60,000.00

2.1.46. One (1) Unit - Ametek CTS Motor Variac
2.1.46.1. Model: MV2616
2.1.46.2. Serial Number: P1915228933
2.1.46.3. Property Number: 01-19-605-140-00048
2.1.46.4. Calibration Specification: Including NX5
2.1.46.5. Functionality: Electromagnetic Immunity
2.1.46.6. Budget: Php 60,000.00

2.1.47. One (1) Unit - EMTest Verification Acc. For
EFT & Surge

2.1.47.1. Model: PVF BKIT 1 PVF 50 PVF 1000
PVF AD 1

2.1.47.2. Serial Number: P1818215207
P1522157194 P1840222491

2.1.47.3. Property Number: 01-19-605-140-00049

2.1.47.4. Calibration Specification: According to
IEC61000-4-4

2.1.47.5. Functionality: Electromagnetic Immunity

2.1.47.5. Budget: Php 100,000.00

2.1.48. One (1) Unit - Pearson Current Probe for
Surge Current

2.1.48.1. Model: Pearson411

2.1.48.2. Serial Number: 171718

2.1.48.3. Property Number: 01-19-605-140-00050

2.1.48.4. Calibration Specification: According to
IEC61000-4-5

2.1.48.5. Functionality: Electromagnetic Immunity

2.1.48.6. Budget: Php 22,000.00

2.1.49. One (1) Unit - Ametek CTS Calibration Target
for ESD Pulse Verification including 20dB attenuator
and coaxial cable.

2.1.49.1. Model: CTR 2

2.1.49.2. Serial Number: P1911225975

2.1.49.3. Property Number: 01-19-605-140-00041

2.1.49.4. Calibration Specification: According to
IEC61000-4-2

2.1.49.5. Functionality: Electromagnetic Immunity

2.1.49.6. Budget: Php 170,000.00

2.1.50. One (1) Unit - Ametek CTS Current
Transformer

2.1.50.1. Model: MC 26100

2.1.50.2. Serial Number: P1914228718

2.1.50.3. Property Number: 01-19-605-140-00047

2.1.50.4. Calibration Specification: Including NX5

2.1.50.5. Functionality: Electromagnetic Immunity

2.1.50.6. Budget: Php 60,000.00

2.1.51. One (1) Unit - EMTest Differential Voltage
Probe

2.1.51.1. Model: PVSVP7

2.1.51.2. Serial Number: 1809537

2.1.51.3. Property Number: 01-19-605-140-00049

2.1.51.4. Calibration Specification: According to

IEC61000-4-5

- 2.1.51.5. Functionality: Electromagnetic Immunity
- 2.1.51.6. Budget: Php 145,000.00

2.1.52. One (1) Unit - Teseq ISN

- 2.1.52.1. Model: ISN-T800
- 2.1.52.2. Serial Number: 36169
- 2.1.52.3. Property Number: 01-19-605-140-00029
- 2.1.52.4. Calibration Specification: Impedance, Phase, Isolation, VDF, LCL, Transmission, Crosstalk 150kHz to 30 or 100Mhz
- 2.1.52.5. Functionality: Electromagnetic Emission
- 2.1.52.6. Budget: Php 61,000.00

2.1.53. One (1) Unit - Teseq ISN

- 2.1.53.1. Model: ISN-T8-CAT6
- 2.1.53.2. Serial Number: 32190
- 2.1.53.3. Property Number: 00-21-605-140-00030
- 2.1.53.4. Calibration Specification: Impedance, Phase, Isolation, VDF, LCL, Transmission, Crosstalk 150kHz to 80 or 250Mhz
- 2.1.53.5. Functionality: Electromagnetic Emission
- 2.1.53.6. Budget: Php 61,000.00

2.1.54. One (1) Unit - Teseq Capacitive Voltage Probe

- 2.1.54.1. Model: CVP2200A
- 2.1.54.2. Serial Number: 32691
- 2.1.54.3. Property Number: 00-21-605-140-00001
- 2.1.54.4. Calibration Specification: Correction Factor 150kHz to 30MHz
- 2.1.54.5. Functionality: Electromagnetic Emission
- 2.1.54.6. Budget: Php 110,000.00

2.1.55. One (1) Unit - AFJ Instruments Click Meter

- 2.1.55.1. Model: AFI CL55C
- 2.1.55.2. Serial Number: 55041351246
- 2.1.55.3. Property Number: 00-21-605-140-00004
- 2.1.55.4. Calibration Specification: According to Click Disturbance
- 2.1.55.5. Functionality: Electromagnetic Emission
- 2.1.55.6. Budget: Php 195,000.00

2.1.56. One (1) Unit - AFJ Instruments External Switching Box

- 2.1.56.1. Model: AFI SW04
- 2.1.56.2. Serial Number: SW041351114
- 2.1.56.3. Property Number: 00-21-605-140-00004
- 2.1.56.4. Calibration Specification: According to Click Disturbance
- 2.1.56.5. Functionality: Electromagnetic Emission
- 2.1.56.6. Budget: Php 195,000.00

2.1.57. One (1) Unit - R&S Signal Generator 1

- 2.1.57.1. Model: SMB100A
- 2.1.57.2. Serial Number: 176258
- 2.1.57.3. Property Number: 00-21-605-140-00003
- 2.1.57.4. Calibration Specification: Frequency, Amplitude, AM, FM, VSWR
- 2.1.57.5. Functionality: Electromagnetic Immunity
- 2.1.57.6. Budget: Php 135,000.00

2.1.58. One (1) Unit - R&S Signal Generator 2
2.1.58.1. Model: SMB100A
2.1.58.2. Serial Number: 107994
2.1.58.3. Property Number: 00-21-605-140-00003
2.1.58.4. Calibration Specification: Frequency, Amplitude, AM, FM, VSWR
2.1.58.5. Functionality: Electromagnetic Immunity
2.1.58.6. Budget: Php 139,000.00

2.1.59. One (1) Unit - DARE Radi Centre Power Meter
2.1.59.1. Model: CTR1004B
2.1.59.2. Serial Number: 1901002
2.1.59.3. Property Number: 01-19-605-140-00013
2.1.59.4. Calibration Specification: Calibrated together with Power Sensor
2.1.59.5. Functionality: Electromagnetic Immunity
2.1.59.6. Budget: Php 50,000.00

2.1.60. One (1) Unit - DARE Radi Centre Power Meter
2.1.60.1. Model: CTR1004B
2.1.60.2. Serial Number: 1901003
2.1.60.3. Property Number: 01-19-605-140-00004
2.1.60.4. Calibration Specification: Calibrated together with Power Sensor
2.1.60.5. Functionality: Electromagnetic Immunity
2.1.60.6. Budget: Php 50,000.00

2.1.61. One (1) Unit - DARE Radi Centre Power Sensor
2.1.61.1. Model: RPR2006C
2.1.61.2. Serial Number: 1901009
2.1.61.3. Property Number: 01-19-605-140-00014
2.1.61.4. Calibration Specification: Calibrated Factor, Linearity, VSWR
2.1.61.5. Functionality: Electromagnetic Immunity
2.1.61.6. Budget: Php 48,000.00

2.1.62. One (1) Unit - DARE Radi Centre Power Sensor
2.1.62.1. Model: RPR2006C
2.1.62.2. Serial Number: 19010010
2.1.62.3. Property Number: 01-19-605-140-00015
2.1.62.4. Calibration Specification: Calibrated Factor, Linearity, VSWR
2.1.62.5. Functionality: Electromagnetic Immunity
2.1.62.6. Budget: Php 48,000.00

2.1.63. One (1) Unit - DARE Radi Centre Power Sensor
2.1.63.1. Model: RPR2006C
2.1.63.2. Serial Number: 1901007
2.1.63.3. Property Number: 01-19-605-140-00006
2.1.63.4. Calibration Specification: Calibrated Factor, Linearity, VSWR
2.1.63.5. Functionality: Electromagnetic Immunity
2.1.63.6. Budget: Php 48,000.00

2.1.64. One (1) Unit - DARE Radi Centre Power Sensor
2.1.64.1. Model: RPR2006C
2.1.64.2. Serial Number: 1901008

2.1.64.3. Property Number: 01-19-605-140-0005
2.1.64.4. Calibration Specification: Calibrated Factor, Linearity, VSWR
2.1.64.5. Functionality: Electromagnetic Immunity
2.1.64.6. Budget: Php 48,000.00

2.1.65. One (1) Unit - DARE Radi Centre Power Sensor
2.1.65.1. Model: RPR2006C
2.1.65.2. Serial Number: 1901011
2.1.65.3. Property Number: 01-19-605-140-00016
2.1.65.4. Calibration Specification: Calibrated Factor, Linearity, VSWR
2.1.65.5. Functionality: Electromagnetic Immunity
2.1.65.6. Budget: Php 48,000.00

2.1.66. One (1) Unit - Ametek CTS Electrostatic Discharge Tester
2.1.66.1. Model: NSG438-GB
2.1.66.2. Serial Number: 1662
2.1.66.3. Property Number: 01-19-605-140-00041
2.1.66.4. Calibration Specification: IEC6100-4-2
2.1.66.5. Functionality: Electromagnetic Immunity
2.1.66.6. Budget: Php 45,000.00

2.1.67. One (1) Unit - HIOKI AC Clamp Power Meter
2.1.67.1. Model: CM3286
2.1.67.2. Serial Number: 190310965
2.1.67.3. Property Number: 01-19-605-140-00047
2.1.67.4. Calibration Specification: OKI A2LA
2.1.67.5. Functionality: Electromagnetic Immunity
2.1.67.6. Budget: Php 55,000.00

2.1.68. One (1) Unit - Keysight Digital Oscilloscope (4 GHz, 4 Ch, 20 GS/s)
2.1.68.1. Model: DSOS 404A
2.1.68.2. Serial Number: MY58150215
2.1.68.3. Property Number: 01-19-605-140-00027
2.1.68.4. Calibration Specification: Amplitude, Frequency, Bandwidth
2.1.68.5. Functionality: Electromagnetic Immunity
2.1.68.6. Budget: Php 165,000.00

2.1.69. One (1) Unit - Keysight Digital Multimeter
2.1.69.1. Model: 34461A
2.1.69.2. Serial Number: MY53212202
2.1.69.3. Property Number: PDH - 204
2.1.69.4. Calibration Specification: Keysight ANAB
2.1.69.5. Functionality: Parametric measurement
2.1.69.6. Budget: Php 27,000.00

2.1.70. One (1) Unit - R&S FSV Signal Analyzer
2.1.70.1. Model: FSV-13
2.1.70.2. Serial Number: 101796
2.1.70.3. Property Number: PDH - 209 - A
2.1.70.4. Calibration Specification: Frequency, Amplitude, Bandwidth, Attenuator, Log, Span, Noise, VSWR
2.1.70.5. Functionality: Parametric measurement
2.1.70.6. Budget: Php 130,000.00

2.1.71. One (1) Unit - R&S Digital Oscilloscope (4 GHz, 4 Ch, 20 GS/s)

2.1.71.1. Model: RTO1044

2.1.71.2. Serial Number: 400327

2.1.71.3. Property Number: PDH - 208

2.1.71.4. Calibration Specification: Amplitude, Frequency, Bandwidth

2.1.71.5. Functionality: Parametric measurement

2.1.71.6. Budget: Php 129,000.00

2.1.72. One (1) Unit - PACIFIC POWER Programmable AC/DC Power Source

2.1.72.1. Model: 3150AFX

2.1.72.2. Serial Number: 123144548

2.1.72.3. Property Number: 01-19-605-140-00051

2.1.72.4. Calibration Specification: Calibration per phase

2.1.72.5. Functionality: All labs

2.1.72.6. Budget: Php 60,000.00

2.1.73. One (1) Unit - Keysight EXG X-Series RF Vector Signal Generator, 9 kHz to 6 GHz

2.1.73.1. Model: N5172B

2.1.73.2. Serial Number: MY53051484

2.1.73.3. Property Number: PDH-291

2.1.73.4. Calibration Specification: Frequency, Amplitude, Bandwidth, Attenuator, Log, Span, Noise, VSWR

2.1.73.5. Functionality: Parametric measurement

2.1.73.6. Budget: Php 150,000.00

2.1.74. One (1) Unit -TESEQ AC Power Source 36A(H&F)

2.1.74.1. Model: CCN1000-1

2.1.74.2. Serial Number: 1406A02589

2.1.74.3. Property Number: 00-21-605-140-00034

2.1.74.4. Calibration Specification: According to IEC61000-3-2 / 3-3

2.1.74.5. Functionality: Electromagnetic Emission

2.1.74.6. Budget: Php 255,000

2.1.75. One (1) Unit - TESEQ Signal Condition Unit

2.1.75.1. Model: NSG1007

2.1.75.2. Serial Number: 1406A0289

2.1.75.3. Property Number: 00-21-605-140-00034

2.1.75.4. Calibration Specification: According to IEC61000-3-2 / 3-3

2.1.75.5. Functionality: Electromagnetic Emission

2.1.75.6. Budget: Php 255,000.00

2.2. The selected laboratories should have the following qualifications:

2.2.1. Accreditation: ISO 17025:2017 or any relevant calibration accreditation.

2.2.2. Reporting and Certificates: The laboratory should provide calibration reports and certificates that comply with ISO 17025:2017 requirements upon delivery of the EMC Test Equipment.

2.3. The service provider must provide a calibration certificate for each equipment in accordance with

ISO17025:2017 including but not limited to the following details:

2.3.1. Calibration date

2.3.2. Measure and or equivalent standard measurements

2.3.3. Calibration environmental condition

2.3.4. Calibration results with measurement uncertainties of all test points

2.3.5. Recommended calibration due date

2.3.6. Remarks or recommendations of the calibrating officer / service provider

2.3.7. Approved signature of the calibration officer or equivalent

2.4. The service provider must shoulder the duties and taxes, freight charges, cargo insurance, among others:

2.4.1. Duties and Taxes: The supplier shall borne any applicable duties and taxes related to the import/export of the equipment during the calibration process.

2.4.2. Freight Charges: The supplier shall borne the freight charges associated with the transportation of the equipment to and from their facility.

2.4.3. Cargo Insurance: The supplier shall provide cargo insurance coverage for the equipment during transit to safeguard against any potential damage or losses.

2.4.4. Equipment Pickup and Return: The supplier must arrange for the pickup of the equipment from EPDC and ensure its safe return after calibration.

2.4.5. The service provider must shoulder the shipping/freight charges of the items to be calibrated from and to the address provided below.

2.4.5.1. The service provider shall return all the calibrated equipment to EPDC Bldg., MIRDC Cmpd., Bicutan, Taguig City, Philippines.

2.4.6. Breakdown of costs per equipment must be provided prior to delivery of service.

3. DELIVERY TERMS

3.1. All equipment, for calibration, shall be picked up by the service provider within ten (10) calendar days upon issuance of Notice to Proceed.

3.2. Calibration of all equipment must be finished and the same must be returned to EPDC premises within ninety (90) calendar days upon pickup from EPDC.

3.3. Service provider shall furnish the Procuring Entity (PE) with the calibration certificates as stated in Item 2.2. of the technical specifications upon delivery.

4. PAYMENT TERMS

4.1. Price is inclusive of government taxes and other service charges, i.e., labor, miscellaneous expenses, among others.

4.2. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the PE or end-user.

TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):

Php 8,687,000.00

RESERVATION CLAUSE

The Advanced Science and Technology Institute reserves the right to accept or reject any proposal, to annul the bidding process, and to reject all proposals at any time prior to contract award, without thereby incurring any liability to the affected proponent or proponents.