



# **VENDOR CONFERENCE**

## **Details on SIHREN, SOPHI & InPULS Project**

Session 1 and 2

*Jakarta, November 7<sup>th</sup> , 2023*

**Ministry of Health**




# Project Overview and Vendor Response

# SIHREN, SOPHI, and InPULS - Supporting Indonesia's Health Sector Transformation

- **The Project supports Indonesia in addressing supply-side gaps in medical and laboratory equipment in public health facilities nationwide.**
- The Project is a coordinated investment in partnership with four co-financing MDBs
- It supports the large-scale transformation of Indonesia's health system rooted in the principles of resilience and responsiveness in the wake of the COVID-19 pandemic

Component Name	Strengthening Indonesia's Healthcare Referral Network (SIHREN)	Strengthening of Primary Healthcare in Indonesia (SOPHI)	Indonesia-Public Laboratory System Strengthening (InPULS)
Activity	Procurement, installation, operation, and maintenance of equipment to referral hospital facilities across Indonesia	Procurement, installation, operation, and maintenance of equipment to primary care facilities across Indonesia	Procurement, installation, operation, and maintenance of equipment to tier 2, 3, 4, and 5 public health laboratory facilities across Indonesia

# Collaboration with Multilateral Development Banks (MDBs) to close the gap

Component Name	Strengthening Indonesia's Healthcare Referral Network (SIHREN)	Strengthening of Primary Healthcare in Indonesia (SOPHI)	Indonesia-Public Laboratory System Strengthening (InPULS)
<b>Objective</b>	Strengthening the KJSU* and KIA* referral hospitals	Strengthening primary healthcare (Puskesmas, Pustu, and Posyandu)	Strengthening the capacity of public health laboratories - tiers 2-5
<b>Financiers</b>			
<b>Beneficiaries</b>	<ul style="list-style-type: none"> <li>20 <i>Paripurna</i> hospitals (national)</li> <li>49 <i>Utama</i> hospitals (provincial)</li> <li>489 <i>Madya</i> hospitals (city/regency)</li> </ul>	<ul style="list-style-type: none"> <li>10.323 Puskesmas (community health centers, incl. tier 1 labs)</li> <li>48.442 Pustu/Poskesdes</li> <li>1.500.000 Posyandu cadres</li> </ul>	<ul style="list-style-type: none"> <li>514 Tier-2 labs</li> <li>38 Tier-3 labs</li> <li>12 Tier-4 labs</li> <li>2 Tier-5 labs</li> </ul>
<b>Implementation Year</b>	2024 - 2027	2024 - 2028	2024 - 2028

\* KJSU : Kanker (Cancer), Jantung (Heart Disease), Stroke (Stroke), and Uronefropologi (Uronephrology); KIA: "Kesehatan Anak dan Ibu" - Mother and child health

# Procurement and Contracting

## Phasing Scheme



Equipment Delivery, Installation,  
Testing & Commissioning, User  
training

Monitoring including technical support  
for operations and repairs

# Findings from Vendors' Responses

## 211 responses were analyzed:

- **66%** - answered that the proposed **payment terms** of 40% upon acceptance, which includes delivery, training for users of the equipment at the facility, installation, safety check, calibration and commissioning of the equipment, followed by a 15% payment every six (6) months over a twenty-four (24) month period starting the date of acceptance, subject to penalties for excessive equipment downtime or delayed repairs, is feasible for their company.
- **71%** - have experience in the uses of **rated criteria** in the bidding process
- **76%** - able to adhere to the **uptime and turnaround time requirement** and **penalty** proposed
- **78%** - able to provide staggered delivery of multiple batches over a period of four years with **fixed price**.
- **93%** - able to provide staggered delivery over a period of four years (on an annual basis) based on the **facilities that are ready to receive the equipment.**

# Findings from Vendors' Responses

- **83%** - able to commit to provide a **comprehensive maintenance and repairs** under an extended warranty/comprehensive maintenance contract period of **minimum 5 years** for major equipment types.
- **88%** - able to provide **upfront quote for extended warranty beyond the 5-year minimum** for the major equipment types which include quotes for expected annual pricing of comprehensive maintenance for a period from Year 6 to Year 10.
- **90%** - able to provide **upfront binding quote for a standard quantity of consumables** that would be valid for 5 years.
- **74%** - able to comply with the **requirement to supply, install and complete commission of the room** that includes wet works and painting, wall and floor finishing, ceiling works, necessary radiation shielding (walls, door frames, doors, viewing panes and frames, etc) - for major equipment like cardiac cath labs or MRIs.
- **70%** - able to commit to **comprehensive and timely service delivery, on-site maintenance and repair to facilities in both central and remote areas of Indonesia.**

# Findings from Vendors' Responses

- **72%** - able to deliver to facilities in remote and rural parts of Indonesia, with delivery, installation, staff training and service provision including maintenance and repairs.
- **70%** - able to include all transportation, insurance and other related costs for equipment delivery in the bid price.
- **67%** - potentially plan to subcontract part of the services for this package; i.e. for after sales service to remote areas, preventive maintenance and completion of room commissioning.



# Proposed List of Equipment Type and Projected Quantity - SIHREN

No	Equipment Type	Projected Quantity
1	3D Ablation System	3
2	Heart Lung Bypass Unit	18
3	Intra-aortic Ballon Pump (IABP)	11
4	Rotablator (Cardiac)	26
5	ECMO Set	36
6	Intravascular Ultrasound (IVUS) & Optical Coherence Tomography (OCT)	16
7	Echocardiography	226
8	Cathlab (Single Plane)	395
9	Cathlab (Bi Plane)	6
10	MRI 1.5 T	11
11	C-Arm	6
12	Ultrasound Doppler (Nephro)	219
13	Fractional Flow Reserve (OCT and IVUS compatible)	26
14	Automated Peritoneal Dialysis	12
15	High speed drill power system (for neurosurgery)	16
16	Neurosurgery microscope	12
17	ESWL (Lithotripter)	11
18	Laser Holmium (Ho:YAG Laser urology)	13

# Proposed List of Equipment Type and Projected Quantity - SIHREN

No	Equipment Type	Projected Quantity
19	Blanket Warmer (Forced Air)	553
20	Warming/Cooling Units, Patient, Circulating-Liquid (Pad)	33
21	Auditory Function Screening Devices - Brain Evoked Response Auditory (Neonate)	4
22	Point-of-Care Bilirubinometer, Blood Sample	537
23	Auditory Function Screening Devices - Otoacoustic (Neonate)	31
24	Nitric Oxide Delivery Unit	17
25	Neonatal Electroencephalography (EEG) (NICU)	17
26	Electrical Beds with Scale	28
27	Warming/Cooling Units, Patient, Circulating-Liquid (Blanket)	17
28	Portable Respiratory Monitor (Capnography + Oximetry)	42
29	Cardiotocography (CTG)/Fetal Monitor	34
30	Continuous Renal Replacement Therapy (CRRT), Neonate	4
31	Continuous Positive Airway Pressure (CPAP), Transport	538
32	High Flow Oxygen Delivery Unit (NICU)	39
33	High Flow Oxygen Delivery Unit (PICU)	41
34	Infant Incubator with Radiant Warmer (NICU)	30
35	Infant Incubator (NICU)	818
36	Transport Infant Incubator	

# Proposed List of Equipment Type and Projected Quantity - SIHREN

No	Equipment Type	Projected Quantity
37	ND:Yag Ablation Laser for TTTS (Obgyn)	4
38	Ophthalmic Diode Laser (810nm)	7
39	Spectrometers, Mass, Laboratory	5
40	Anesthesia Unit (Paeds)	5
41	Invasive Hemodynamic Monitor	19
42	Neonate Invasive Patient Monitor (NICU)	40
43	Neonate Patient Monitor (NICU)	409
44	Invasive Blood Pressure Monitor (Paeds & Neonate)	31
45	Near Infrared Spectroscopy (NIRS) NICU/Cerebral Oximeter	40
46	Ophthalmoscope Indirect	14
47	Pulse Co-Oximeter (Neonate)	538
48	Portable Blood Gas Analyzer (NICU)	415
49	Video Flexible Bronchoscopy (Portable Handheld)	3
50	ECMO Set (NICU)	2
51	Analyzers, Laboratory, Molecular Assay, Infectious Microorganism	13
52	Radiofrequency Therapy System (Puncture Generator) (NICU)	12
53	Thromboelastogram (TEG)	13
54	Transcutaneous Non Invasive Blood Gas Monitor	5

# Proposed List of Equipment Type and Projected Quantity - SIHREN

No	Equipment Type	Projected Quantity
55	Ultrasonic Cardiac Output Monitor	40
56	Portable Echocardiography (Neonate)	409
57	4D Portable Echocardiography (Neonate)	12
58	4D Ultrasound (OBGYN)	1
59	3D Ultrasound (OBGYN)	9
60	Vein Finder	5
61	High Frequency Ventilator (NICU)	32
62	Ventilator (Adult & Paeds)	547
63	Ventilator (Neonate - NICU)	414
64	Non-invasive Ventilator (Neonate)	409
65	Non-invasive Ventilator (Adult & Paeds)	569
66	Transport Ventilator (Adult & Paeds)	1
67	Transport Ventilator (Neonate - NICU)	15
68	Digital Mobile X-Ray	1

# Proposed List of Equipment Type and Projected Quantity - SOPHI

Bidding starts on Dec 1st, 2023, for projected quantity in Year 2024 & Year 2025. Quantity for Year 2026 onwards will be updated in Phase 2

No	Equipment Type	2024 Projected Quantity	2025 Projected Quantity
1	Adult Resuscitator	7020	3666
2	Adult Scale	19550	11134
3	Adult Stethoscope	19705	14488
4	Analytical Balance	2761	1402
5	Automated external defibrillator (AED)	2732	1381
6	Automated hemoglobin system/hematology analyzer	1325	894
7	Bassinet (Infant)	3932	2183
8	Binocular Microscope (Lab)	1237	757
9	Chemistry Analyzer, Centrifugal (for Clinical Use)	1322	941
10	Dental Chair (Complete System)	1268	792
11	Digital Infant Weighing Scale	15945	8549
12	Electrocardiograph (ECG)	1588	905
13	Electrocautery Unit	3582	1584
14	Examination Light, Stand Alone	16367	12690

# Proposed List of Equipment Type and Projected Quantity - SOPHI

No	Equipment Type	2024 Projected Quantity	2025 Projected Quantity
15	Examination Table (Clinic)	7806	7093
16	Fetal Stethoscope/Fetoscope	2221	1201
17	Graduated Pipette (Vol 1 cc)	8831	4785
18	Gynae Examination Table/Chair	5254	6448
19	Head lamp	4107	2194
20	High Pressure Steam Sterilizer (Autoclave)	6446	7494
21	Hygro-thermometer	2603	1420
22	Infant Incubator	2185	1188
23	Infant radiant warmer	1981	1038
24	Infant T piece resuscitator	2685	1389
25	Infant T piece resuscitator with PEEP	2547	1328
26	Infantometer	7138	3811
27	Infusion pump	2843	1467
28	Mayo Table or Instrument Table	16822	12505

# Proposed List of Equipment Type and Projected Quantity - SOPHI

No	Equipment Type	2024 Projected Quantity	2025 Projected Quantity
29	Micro pipette 5-50, 100-200, 500-1000 ul	1659	1144
30	Microhematocrit Centrifuge	1739	1063
31	Nebulizer	1885	1054
32	Neonatal Duplex Stethoscope	9051	4496
33	Neonatal Resuscitator	5328	2645
34	Neonatal Straight Blade Laryngoscope	5146	2591
35	Ophthalmoscope	2440	1284
36	Otoscope	6268	3357
37	Oxygen Tank 1 Metercube & Regulator	7425	4552
38	Oxygen Tank 6 Metercube & Regulator	476	309
39	Paediatric Stethoscope	7534	3983
40	Patient Beds	1898	1025
41	Photometer	1760	1090
42	Point-of-care Blood Analyzer (For Hb, glucose, uric acid, cholesterol)	19238	23152

# Proposed List of Equipment Type and Projected Quantity - SOPHI

No	Equipment Type	2024 Projected Quantity	2025 Projected Quantity
43	Portable Aspirators (Infant)	6799	3554
44	Pulse Oxymeter	5715	3291
45	Refrigerator (Vaccine)	934	590
46	Rigid Laryngoscope	4725	2377
47	Rotator Plate	1739	1184
48	Spirometer/Diagnostic Spirometer	2871	1472
49	Stretcher (Emergency)	2208	1290
50	Syringe Pump	2772	1407
51	Tensimeter	226262	223436
52	Thermometer	236512	228872
53	Ultrasonic Scaler (Dental)	2041	1240
54	Ultrasound Doppler (Fetal)	13671	11012
55	Urine analyzer (Semi-automated)	1900	1143
56	Vaccine Carrier / Coolbox	4787	6329



# Proposed List of Equipment Type and Projected Quantity - SOPHI

No	Equipment Type	2024 Projected Quantity	2025 Projected Quantity
57	Vacuum Extractor, Obstetrics	4770	2405
58	Wheelchair	1897	1051
59	Dental Light Curing Unit	2013	1218
60	Binocular Loupe	2450	1310
61	Lancet Pen	3767	2005
62	Pen Light	24401	12483
63	Body Height Measurement	18479	10033
64	X-Ray Film Viewer	2599	1385
65	Cryosurgical unit and Accessories	3691	1707
66	Refrigerator	4403	2940

# Proposed List of Equipment Type and Projected Quantity - InPULS

No	Equipment Type	Total Projected Quantity
1	Analytical Balance	173
2	Atomic Absorption Spectrophotometry (AAS, Flame & Graphite Furnace)	176
3	Automated Blood Culture System	10
4	Automated Urine Analyzer	13
5	Automatic Device for Multi Channel Pipette Calibration	22
6	Automatic Extractor (To isolate RNA and DNA from sample)	167
7	Binocular microscope	592
8	Biocontainment Centrifuge	225
9	Biosafety Cabinet (Class 2A)	253
10	Centrifuge	64
11	Centrifuge (250ml)	1
12	Centrifuge (8-hole)	1
13	Chemi Luminescence Immuno Assay (CLIA)	10
14	Chemistry Analyzer	92
15	Colony counter	323
16	Colony counter (Automated)	20

# Proposed List of Equipment Type and Projected Quantity - InPULS

No	Equipment Type	Total Projected Quantity
17	Conventional PCR	13
18	Cool Box for Sample	11
19	Dark Field Microscope	13
20	Dehumidifier	476
21	Digital PCR	12
22	Dry Autoclave (Chemical)	166
23	Electric Centrifuge	18
24	Electrophoresis gel detector	7
25	Electrophoresis Set	8
26	ELISA Set (ELISA Reader, ELISA Washer)	214
27	Endotoxin Measuring Instruments	6
28	Enzyme Immuno Assay (EIA)	1
29	Flammable Liquid Storage Cabinet	448
30	Flow Cytometer	8
31	Fluorescence Microscope	11
32	Freeze dryer for Cryopreservation	1
33	Freezer -20 Celcius	284
34	Freezer -20 Celcius with Rack System	54
35	Freezer -80 Celcius	55

# Proposed List of Equipment Type and Projected Quantity - InPULS

No	Equipment Type	Total Projected Quantity
36	Fume Hood	128
37	Gas Chromatography Mass Spectrometry (GCMS)	26
38	HbA1C Analyzer (Hemoglobin Analyzer)	195
39	Hematology Analyzer	125
40	High Performance Liquid Chromatography (HPLC)	32
41	Hotplate + magnetic stirrer	168
42	Hygrothermometer Calibrator	22
43	ID-AST automated (Bacterial Identification and sensitivity test)	1
44	ID-AST semi-automated (Bacterial Identification and sensitivity test)	14
45	Inductively Coupled Plasma Mass Spectrometry (ICP-MS)	12
46	Inductively Coupled Plasma Optical Emission Spectroscopy (ICP OES)	7
47	Inverted Microscope	2
48	Laboratory incubator	410
49	Laboratory Incubator (Portable)	10
50	Laboratory Incubator CO2	33
51	Laboratory Microwave	8
52	Laboratory Oven	323
53	Laboratory water distiller	200
54	Laminar Air Flow	18
55	Liquid chromatography-tandem mass spectrometry (LC-MS/MS) Detector	2

# Proposed List of Equipment Type and Projected Quantity - InPULS

No	Equipment Type	Total Projected Quantity
56	Lyophilization Set	2
57	Mercury Analyzer	27
58	Microbiology air sampler	19
59	Microbiology Analyzer (Identification and Drug Sensitivity Test /DST)	13
60	Microcentrifuge	184
61	Microcentrifuge (Non-refrigerated)	175
62	Microcentrifuge (Refrigerated)	8
63	Micropipette (0-2 mikron, 1-10 mikron, 10-100 mikron, 20-200 mikron, 100-1000 mikron) + Carousel	158
64	Micropipette Set 10, 100, 200, 1000	739
65	Microwave Digestion System	1
66	Mini-centrifuge (spindown)	166
67	Molecular Assay Analyzer (Rapid Molecular Test) (TCM 8 Modul)	13
68	Molecular Assay Analyzer (Rapid Molecular Test) (TCM TB XDR 10 Colour)	3
69	Monitoring system for biorepository	50
70	Multichannel Pipette (1-10 mikron, 10-100 mikron, 20-200 mikron, 100-1000 mikron - 8 row)	35
71	Mycobacteriology Analyzer for Tuberculosis	11
72	Nephelometer	26
73	Next Generation Sequencer (NGS) Long Read Sequencer	9
74	Next Generation Sequencing (NGS)	31

# Proposed List of Equipment Type and Projected Quantity - InPULS

No	Equipment Type	Total Projected Quantity
75	Oligosynthesizer	1
76	Pipette Dispenser	457
77	Plate Centrifuge	1
78	Portable PCR (Loop Mediated Isothermal Amplification)	8
79	Pyrolysis Gas Chromatography-Mass Spectrometry (Pyrolysis-GC-MS)	1
80	Reagent Refrigerator	123
81	Refrigerated Centrifuge (Highspeed - 14,000 rpm)	15
82	Refrigerated Centrifuge (Low speed)	171
83	Refrigerated Centrifuge (Ultra highspeed - 90,000 rpm)	2
84	Rotator Plate	177
85	RT-PCR	133
86	Sanger Sequencer	2
87	Shaker Plate	2
88	Showcase Refrigerator	300
89	Sonicator Chamber	1
90	Specimen Refrigerator	208
91	Spectrofluorometers	13
92	Staining Rack and Tray	187
93	Stereo Microscope	261

# Proposed List of Equipment Type and Projected Quantity - InPULS

No	Equipment Type	Total Projected Quantity
94	Thermocouple (Temperature Calibrator)	13
95	Ultraviolet-visible Spectrophotometer	136
96	Urine Analyzer	88
97	Vortex Mixer	314
98	Waterbath	522
99	Wet Autoclave (Steam)	135

# Site Readiness Criteria: Overview

A fourfold set of facility readiness criteria are defined to determine whether facilities are eligible to receive, operate and maintain the allocated equipment:

- a. Confirmation of the need for equipment based on current equipment availability and gaps which need to be validated on the ground;
  - b. Infrastructure and utility (electricity, water, and internet connectivity, where applicable) availability/adequacy;
  - c. Human resource (HR) availability;
  - d. Adequate waste management mechanisms/capacity.
- Major medical equipment packages with adequate site readiness will be prioritized in the procurement timeline.
  - Delivery will be staggered based on facility readiness.
  - For some pieces of equipment, e.g., cath labs or MRI, bidder will be responsible for specific aspects of room preparation



# Proposed Procurement Method and Market Approach

# Proposed Procurement Method and Market Approach

The proposed procurement method and market approach have been determined based on:

1. Market analysis (i.e., market structure, supplier positioning, supplier preference and cost competitiveness)
2. Information from market analysis (including pre-bid market engagement); and
3. Procurement risk analysis (including complexity and criticality of the procurement and whole-life cost analysis)

# Probity, Integrity and Oversight

1. Vendors can have full confidence that every effort is made to ensure fairness and transparency
2. Independent Probity Assurance is in place to complement GoI (MoH) and World Bank oversight
3. Focus Group Discussions and engagements with vendors will be carried out under supervision of independent probity assurance
4. MoH website will continue as the central and sole information / communication channel.

# Proposed Procurement Packaging

# Proposed Procurement Arrangement

- Procurement Plan will be published in MoH's website, the MDBs' external website and United Nations Development Business (UNDB)
- Procurement process will follow the World Bank's Procurement Regulation (SIHREN, SOPHI and InPULS) and Islamic Development Bank (IsDB) for part of SIHREN portion
- For Open International Competition, the World Bank/ IsDB's Standard Procurement Document shall be used
- For Open National Competition, the national bidding document acceptable by the WB/IsDB will be used
- Bidders can be a manufacturer or principal/ sole agent/ distributor

[www.worldbank.org/projects](http://www.worldbank.org/projects)

[www.isdb.org/project-procurement/tenders](http://www.isdb.org/project-procurement/tenders)

[www.aiib.org/en/projects/details/2023/proposed/Indonesia-Modernization-of-the-Health-System.html](http://www.aiib.org/en/projects/details/2023/proposed/Indonesia-Modernization-of-the-Health-System.html)

# Procurement Plan for Goods, Works and Non-Consulting Services (SIHREN)

No	Activity	Procurement Category	Component (SIHREN)	Review Type	Proc. Method	Market Approach	Estimated total amount (USD)	Bid Doc incl. Technical Specification	Initiate procurement	Signed Contract	Contract Completion
1	Procurement of Electrical Beds with Scale (28 units)	Goods	2	Post	RFB (1S 1E)	National Open/RFO/e-purchasing	226,243.17	15/11/2023	1/12/2023	15/05/2024	31/12/2029
2	Procurement of Cathlab Single Plane & Bi Plane (401 units)	Goods	2	Prior	RFB (1S 2E)	International Open	497,365,408.21	31/10/2023	15/11/2023	30/04/2024	31/12/2029
	Lot 1: Procurement of Cathlab for delivery to West Indonesia (152 units) - Single Plane (149 units) - Bi Plane (3 units)	Goods					189,414,344.65	31/10/2023	15/11/2023	30/04/2024	31/12/2029
	Lot 2: Procurement of Cathlab for delivery to Central Indonesia (73 units) - Single Plane (72 units) - Bi Plane (1 unit)	Goods					90,430,074.22	31/10/2023	15/11/2023	30/04/2024	31/12/2029
	Lot 3: Procurement of Cathlab for delivery to East Indonesia (176 units) - Single Plane (174 units) - Bi Plane (2 units)	Goods					217,520,989.34	31/10/2023	15/11/2023	30/04/2024	31/12/2029
3	Procurement of Dialysis Equipment (16 units)	Goods	2	Post	RFB (1S 1E)	National Open	581,642.56	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 1: Procurement of Automated Peritoneal Dialysis (12 units)	Goods					242,764.80	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 2: Procurement of Continuous Renal Replacement Therapy (CRRT), Neonate (4 units)	Goods					338,877.76	15/11/2023	1/12/2023	15/05/2024	31/12/2029
4	Procurement of Video Flexible Bronchoscopy (Portable Handheld) (3 units)	Goods	2	Post	RFB (1S 1E)	National Open	862,463.23	15/11/2023	1/12/2023	15/05/2024	31/12/2029
5	Procurement of High Flow Equipment (80 units)	Goods	2	Post	RFB (1S 1E)	National Open	1,700,561.11	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 1: Procurement of High Flow Oxygen Delivery Unit (NICU) (39 units)	Goods					830,565.12	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 2: Procurement of High Flow Oxygen Delivery Unit (PICU) (41 units)	Goods					869,995.99	15/11/2023	1/12/2023	15/05/2024	31/12/2029

# Procurement Plan for Goods, Works and Non-Consulting Services (SIHREN)

No	Activity	Procurement Category	Component (SIHREN)	Review Type	Proc. Method	Market Approach	Estimated total amount (USD)	Bid Doc incl. Technical Specification	Initiate procurement	Signed Contract	Contract Completion
6	Procurement of Infant Warmers Equipment (851 units)	Goods	2	Prior	RFB (15 2E)	International Open	28,673,343.16	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 1: Procurement of Infant Warmers Equipment for delivery to West Indonesia (324 units) - Infant Incubator (NICU) (310 units) - Infant Incubator with Radiant Warmer (NICU) (12 units) - Transport Infant Incubator (2 units)	Goods					10,968,568.65	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 2: Procurement of Infant Warmers Equipment for delivery to Central Indonesia (156 units) - Infant Incubator (NICU) (146 units) - Infant Incubator with Radiant Warmer (NICU) (10 units)	Goods					5,573,641.48	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 3: Procurement of Infant Warmers Equipment for delivery to East Indonesia (371 units) - Infant Incubator (NICU) (362 units) - Infant Incubator with Radiant Warmer (NICU) (8 units) - Transport Infant Incubator (1 unit)	Goods					12,131,133.03	15/11/2023	1/12/2023	15/05/2024	31/12/2029
7	Procurement of Invasive Cardiology Equipment (101 units)	Goods	2	Prior	RFB (15 2E)	International Open	10,474,153.07	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 1: Procurement of 3D Ablation System (3 units)	Goods					334,848.00	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 2: Procurement of Intra-aortic Ballon Pump (IABP) (11 units)	Goods					1,534,720.00	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 3: Procurement of Rotablator (Cardiac) (26 units)	Goods					1,160,806.40	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 4: Procurement of Fractional Flow Reserve (OCT and IVUS compatible) (26 units)	Goods					3,627,520.00	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 5: Procurement of Invasive Hemodynamic Monitor (19 units)	Goods					996,258.67	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 6: Procurement of Optical Coherence Tomography (OCT) (8 units)	Goods					1,424,800.00	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 7: Procurement of Intravascular Ultrasound (IVUS) (8 units)	Goods					1,395,200.00	15/11/2023	1/12/2023	15/05/2024	31/12/2029

# Procurement Plan for Goods, Works and Non-Consulting Services (SIHREN)

No	Activity	Procurement Category	Component (SIHREN)	Review Type	Proc. Method	Market Approach	Estimated total amount (USD)	Bid Doc incl. Technical Specification	Initiate procurement	Signed Contract	Contract Completion
8	Procurement of Thromboelastogram (TEG) (13 units)	Goods	2	Post	RFB (15 1E)	National Open/RFQ/e-purchasing	404,121.47	15/11/2023	1/12/2023	15/05/2024	31/12/2029
9	Procurement of Laboratory Major Analyzer Equipment (18 units)	Goods	2	Prior	RFB (15 1E)	National	2,631,109.59	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 1: Procurement of Analyzers, Laboratory, Molecular Assay, Infectious Microorganism (13 units)	Goods					779,029.33	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 2: Procurement of Spectrometers, Mass, Laboratory (5 units)	Goods					1,852,080.25	15/11/2023	1/12/2023	15/05/2024	31/12/2029
10	Procurement of Portable Blood Gas Analyzer (NICU) (415 units)	Goods	2	Prior	RFB (15 1E)	National Open	8,388,587.86	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 1: Procurement of Portable Blood Gas Analyzer (NICU) for delivery West Indonesia (157 units)	Goods					3,173,513.96	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 2: Procurement of Portable Blood Gas Analyzer (NICU) for delivery to Central Indonesia (75 units)	Goods					1,516,009.85	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 3: Procurement of Portable Blood Gas Analyzer (NICU) for delivery to East Indonesia (183 units)	Goods					3,699,064.04	15/11/2023	1/12/2023	15/05/2024	31/12/2029
11	Procurement of Point-of-Care Bilirubinometer (537 units)	Goods	2	Prior	RFB (15 1E)	National Open	2,297,584.47	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 1: Procurement of Point-of-Care Bilirubinometer, Blood Sample for delivery to West Indonesia (200 units)	Goods					855,711.16	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 2: Procurement of Point-of-Care Bilirubinometer, Blood Sample for delivery to Central Indonesia (102 units)	Goods					436,412.69	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 3: Procurement of Point-of-Care Bilirubinometer, Blood Sample for delivery to East Indonesia (235 units)	Goods					1,005,460.62	15/11/2023	1/12/2023	15/05/2024	31/12/2029
12	Procurement of Laser Bundle (17 units)	Goods	2	Prior	RFB (15 1E)	National Open	3,209,180.86	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 1: Procurement of Laser Holmium (Ho:YAG Laser urology) (13 units)	Goods					2,730,000.00	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 2: Procurement of ND:Yag Ablation Laser for TTTS (OBGYN) (4 units)	Goods					479,180.86	15/11/2023	1/12/2023	15/05/2024	31/12/2029
13	Procurement of MRI 1.5T (11 units)	Goods	2	Prior	RFB (15 2E)	International Open	19,797,888	15/11/2023	1/12/2023	15/05/2024	31/12/2029



# Procurement Plan for Goods, Works and Non-Consulting Services (SIHREN)

No	Activity	Procurement Category	Component (SIHREN)	Review Type	Proc. Method	Market Approach	Estimated total amount (USD)	Bid Doc incl. Technical Specification	Initiate procurement	Signed Contract	Contract Completion
14	Procurement of Neonatal Equipment (35 units)	Goods	2	Post	RFB (15 1E)	National Open	502,314.73	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 1: Procurement of Auditory Function Screening Devices - Brain Evoked Response Auditory (Neonate) (4 units)	Goods					194,598.15	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 2: Procurement of Auditory Function Screening Devices - Otoacoustic (Neonate) (31 units)	Goods					307,716.59	15/11/2023	1/12/2023	15/05/2024	31/12/2029
15	Procurement of Neuro Equipment (45 units)	Goods	2	Prior	RFB (15 1E)	National Open	8,989,981.84	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 1: Procurement of High speed drill power system (for neurosurgery) (16 units)	Goods					1,116,160.00	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 2: Procurement of Neurosurgery microscope (12 units)	Goods					6,720,000.00	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 3: Procurement of Neonatal Electroencephalography (EEG) (NICU) (17 units)	Goods					1,153,821.84	15/11/2023	1/12/2023	15/05/2024	31/12/2029
16	Procurement of Oximetry Equipment (580 units)	Goods	2	Prior	RFB (15 1E)	National Open	2,657,766.74	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 1: Procurement of Portable Respiratory Monitor (Capnography + Oximetry) (42 units)	Goods					471,912.00	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 2: Procurement of Pulse Co-Oximeter (Neonate) for delivery to West Indonesia (200 units)	Goods					812,585.40	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 3: Procurement Pulse Co-Oximeter (Neonate) for delivery to Central Indonesia (102 units)	Goods					414,418.56	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 4: Procurement Pulse Co-Oximeter (Neonate) for delivery to East Indonesia (236 units)	Goods					958,850.78	15/11/2023	1/12/2023	15/05/2024	31/12/2029
17	Procurement of Ophthalmic Diode Laser (810nm) (7 units)	Goods	2	Post	RFB (15 1E)	National Open	617,550.93	15/11/2023	1/12/2023	15/05/2024	31/12/2029
18	Procurement of Patient Diagnostic Equipment (19 units)	Goods	2	Post	RFB (15 1E)	National Open/RFO/e-purchasing	113,523.97	15/11/2023	1/12/2023	15/05/2024	31/12/2029

# Procurement Plan for Goods, Works and Non-Consulting Services (SIHREN)

No	Activity	Procurement Category	Component (SIHREN)	Review Type	Proc. Method	Market Approach	Estimated total amount (USD)	Bid Doc incl. Technical Specification	Initiate procurement	Signed Contract	Contract Completion
	Lot 1: Procurement of Ophthalmoscope Indirect (14 units)	Goods					96,133.72	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 2: Procurement of Vein Finder (5 units)	Goods					17,390.26	15/11/2023	1/12/2023	15/05/2024	31/12/2029
19	<b>Procurement of Patient Monitoring Invasive Equipment (71 units)</b>	Goods	2	Post	RFB (1S 1E)	National Open	949,277.21	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 1: Procurement of Neonate Invasive Patient Monitor (NICU) (40 units)	Goods					693,845.47	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 2: Procurement of Invasive Blood Pressure Monitor (Paeds & Neonate) (31 units)	Goods					255,431.73	15/11/2023	1/12/2023	15/05/2024	31/12/2029
20	<b>Procurement of Patient Monitoring Non-Invasive Equipment (443 units)</b>	Goods	2	Prior	RFB (1S 1E)	National Open	3,954,083.23	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 1: Procurement of Cardiotocography (CTG)/Fetal Monitor (34 units)	Goods					295,431.89	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 2: Procurement of Neonate Patient Monitor (NICU) for delivery to West Indonesia (155 units)	Goods					1,386,530.46	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 3: Procurement of Neonate Patient Monitor (NICU) for delivery to Central Indonesia (73 units)	Goods					653,011.12	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 4: Procurement of Neonate Patient Monitor (NICU) for delivery to East Indonesia (181 units)	Goods					1,619,109.76	15/11/2023	1/12/2023	15/05/2024	31/12/2029
21	<b>Procurement of Transcutaneous Non-Invasive Blood Gas Monitor (5 units)</b>	Goods	2	Post	RFB (1S 1E)	National Open/RFQ/e-purchasing	159,176.67	15/11/2023	1/12/2023	15/05/2024	31/12/2029
22	<b>Procurement of Radiography Equipment (7 units)</b>	Goods	2	Post	RFB (1S 1E)	National Open	1,520,100.53	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 1: Procurement of C-arm (6 units)	Goods					1,255,680.00	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 2: Procurement of Digital Mobile X-Ray (1 unit)	Goods					264,420.53	15/11/2023	1/12/2023	15/05/2024	31/12/2029

# Procurement Plan for Goods, Works and Non-Consulting Services (SIHREN)

No	Activity	Procurement Category	Component (SIHREN)	Review Type	Proc. Method	Market Approach	Estimated total amount (USD)	Bid Doc incl. Technical Specification	Initiate procurement	Signed Contract	Contract Completion
23	Procurement of Respiratory/ Anaesthesia Equipment (22 units)	Goods	2	Prior	RFB (1S 1E)	National Open	2,669,664.01	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 1: Procurement of Anaesthesia Unit (Paeds) (5 units)	Goods					526,981.28	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 2: Procurement of Nitric Oxide Delivery Unit (17 units)	Goods					2,142,682.73	15/11/2023	1/12/2023	15/05/2024	31/12/2029
24	Procurement of Surgery Equipment (79 units)	Goods	2	Prior	RFB (1S 2E)	International Open	20,475,514.62	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 1: Procurement of Heart Lung Bypass Unit (18 units)	Goods					5,022,720.00	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 2: Procurement of ECMO Set (36 units)	Goods					9,609,748.20	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 3: Procurement of ECMO Set (NICU) (2 units)	Goods					586,085.49	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 4: Procurement of Radiofrequency Therapy System (Puncture Generator) (NICU) (12 units)	Goods					652,800.93	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 5: Procurement of ESWL (Lithotripter) (11 units)	Goods					4,604,160.00	15/11/2023	1/12/2023	15/05/2024	31/12/2029
25	Procurement of Ultrasound Equipment (876 units)	Goods	2	Prior	RFB (1S 2E)	International Open	75,159,589.31	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 1: Procurement of Ultrasound Equipment for delivery to West Indonesia (349 units) <ul style="list-style-type: none"> <li>- 3D Ultrasound (OBGYN) (3 units)</li> <li>- 4D Ultrasound (OBGYN) (1 unit)</li> <li>- Ultrasound Doppler (Nephro) (100 units)</li> <li>- Echocardiography (86 units)</li> <li>- Portable Echocardiography (Neonate) (155 units)</li> <li>- 4D Portable Echocardiography (Neonate) (4 units)</li> </ul>	Goods					30,230,669.54	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 2: Procurement of Ultrasound Equipment for delivery to Central Indonesia (138 units)	Goods					11,199,325.35	15/11/2023	1/12/2023	15/05/2024	31/12/2029

# Procurement Plan for Goods, Works and Non-Consulting Services (SIHREN)

No	Activity	Procurement Category	Component (SIHREN)	Review Type	Proc. Method	Market Approach	Estimated total amount (USD)	Bid Doc incl. Technical Specification	Initiate procurement	Signed Contract	Contract Completion
	<ul style="list-style-type: none"> <li>- 3D Ultrasound (OBGYN) (3 units)</li> <li>- Ultrasound Doppler (Nephro) (26 units)</li> <li>- Echocardiography (33 units)</li> <li>- Portable Echocardiography (Neonate) (73 units)</li> <li>- 4D Portable Echocardiography (Neonate) (3 units)</li> </ul>										
	Lot 3: Procurement of Ultrasound Equipment for delivery to East Indonesia (389 units) <ul style="list-style-type: none"> <li>- 3D Ultrasound (OBGYN) (3 units)</li> <li>- Ultrasound Doppler (Nephro) (93 units)</li> <li>- Echocardiography (107 units)</li> <li>- Portable Echocardiography (Neonate) (181 units)</li> <li>- 4D Portable Echocardiography (Neonate) (5 units)</li> </ul>	Goods					33,729,594.41	15/11/2023	1/12/2023	15/05/2024	31/12/2029
26	Procurement of CPAP Equipment (538 units)	Goods	2	Prior	RFB (15 1E)	National Open	1,941,553.32	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 1: Procurement of Continuous Positive Airway Pressure (CPAP), Transport for delivery to West Indonesia (200 units)	Goods					721,767.04	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 2: Procurement of Continuous Positive Airway Pressure (CPAP), Transport for delivery to Central Indonesia (102 units)	Goods					368,201.19	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 3: Procurement of Continuous Positive Airway Pressure (CPAP), Transport for delivery to East Indonesia (236 units)	Goods					851,685.10	15/11/2023	1/12/2023	15/05/2024	31/12/2029
27	Procurement of Ventilator Equipment (1987 units)	Goods	2	Prior	RFB (15 2E)	International Open	79,582,416.81	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 1: Procurement of High Frequency Ventilator (NICU) (32 units)	Goods					3,878,367.57	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 2: Procurement of Ventilators for delivery to West Indonesia (732 units) <ul style="list-style-type: none"> <li>- Non-invasive Ventilator (Adult &amp; Paeds) (209 units)</li> <li>- Non-invasive Ventilator (Neonate) (155 units)</li> <li>- Ventilator (Adult &amp; Paeds) (205 units)</li> </ul>	Goods					28,432,076.62	15/11/2023	1/12/2023	15/05/2024	31/12/2029

# Procurement Plan for Goods, Works and Non-Consulting Services (SIHREN)

No	Activity	Procurement Category	Component (SIHREN)	Review Type	Proc. Method	Market Approach	Estimated total amount (USD)	Bid Doc incl. Technical Specification	Initiate procurement	Signed Contract	Contract Completion
	<ul style="list-style-type: none"> <li>- Ventilator (Neonate – NICU) (155 units)</li> <li>- Transport Ventilator (Adult &amp; Paeds) (1 unit)</li> <li>- Transport Ventilator (Neonate – NICU) (7 units)</li> </ul>										
	Lot 3: Procurement of Ventilator for delivery to Central Indonesia (361 units) <ul style="list-style-type: none"> <li>- Non-invasive Ventilator (Adult &amp; Paeds) (107 units)</li> <li>- Non-invasive Ventilator (Neonate) (73 units)</li> <li>- Ventilator (Adult &amp; Paeds) (103 units)</li> <li>- Ventilator (Neonate – NICU) (75 units)</li> <li>- Transport Ventilator (Neonate – NICU) (3 units)</li> </ul>	Goods					14,008,694.49	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 4: Procurement of Ventilator for delivery to East Indonesia (862 units) <ul style="list-style-type: none"> <li>- Non-invasive Ventilator (Adult &amp; Paeds) (253 units)</li> <li>- Non-invasive Ventilator (Neonate) (181 units)</li> <li>- Ventilator (Adult &amp; Paeds) (239 units)</li> <li>- Ventilator (Neonate – NICU) (184 units)</li> <li>- Transport Ventilator (Neonate – NICU) (5 units)</li> </ul>	Goods					33,263,278.12	15/11/2023	1/12/2023	15/05/2024	31/12/2029
28	Procurement of Warming/ Cooling Equipment (603 units)	Goods	2	Prior	RFB (15 1E)	National Open	4,289,381.87	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 1: Procurement of Blanket Warmer (Forced Air) for delivery to West Indonesia (206 units)	Goods					991,727.68	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 2: Procurement of Blanket Warmer (Forced Air) for delivery to Central Indonesia (106 units)	Goods					510,306.48	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 3: Procurement of Blanket Warmer (Forced Air) for delivery to East Indonesia (241 units)	Goods					1,160,225.10	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 4: Procurement of Warming/Cooling Units, Patient, Circulating-Liquid (Pad) (33 units)	Goods					1,112,364.00	15/11/2023	1/12/2023	15/05/2024	31/12/2029
	Lot 5: Procurement of Warming/Cooling Units, Patient, Circulating-Liquid (Blanket) (17 units)	Goods					514,758.61	15/11/2023	1/12/2023	15/05/2024	31/12/2029

# Procurement Plan for Goods, Works and Non-Consulting Services (SIHREN)

No	Activity	Procurement Category	Component (SIHREN)	Review Type	Proc. Method	Market Approach	Estimated total amount (USD)	Bid Doc incl. Technical Specification	Initiate procurement	Signed Contract	Contract Completion
29	Procurement of Near Infrared Spectroscopy (NIRS) NICU/Cerebral Oximeter (40 units)	Goods	2	Post	RFB (15 1E)	National Open	1,970,772.83	15/11/2023	1/12/2023	15/05/2024	31/12/2029
30	Procurement of Ultrasonic Cardiac Output Monitor (40 units)	Goods	2	Post	RFB (15 1E)	National Open	1,558,058.67	15/11/2023	1/12/2023	15/05/2024	31/12/2029

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# Procurement Plan for Goods, Works and Non-Consulting Services (SOPHI)

No	Activity	Procurement Category	Component (SOPHI)	Review Type	Proc. Method	Market Approach	Estimated total amount (USD)	Bid Doc incl. Technical Specification	Initiate procurement	Signed Contract	Contract Completion
1	Procurement of Resuscitator	Goods	1	Post	RFB (1S 1E)	National Open	849,266.73	15/11/2023	01/12/2023	20/05/2024	31/12/2029
2	Procurement of Scale	Goods	1	Prior	RFB (1S 1E)	National Open	9,538,802.56	15/11/2023	01/12/2023	20/05/2024	31/12/2029
3	Procurement of Laboratory General <ul style="list-style-type: none"> <li>Lot 1: Binocular Microscope, Hygro-Thermometer and Photometer</li> <li>Lot 2: Micropipette</li> <li>Lot 3: Microhematocrit Centrifuge</li> <li>Lot 4: Analytical Balance</li> </ul>	Goods	1	Prior	RFB (1S 2E)	International Open	41,159,866.26	15/11/2023	01/12/2023	20/05/2024	31/12/2029
4	Procurement of Defibrillator	Goods	1	Prior	RFB (1S 2E)	International Open	15,345,859.20	15/11/2023	01/12/2023	20/05/2024	31/12/2029
5	Procurement of Laboratory Major <ul style="list-style-type: none"> <li>Lot 1: Automated Hemoglobin System</li> <li>Lot 2: Chemistry Analyzer (Centrifugal)</li> <li>Lot 3: Urine Analyzer (Semi-automated)</li> </ul>	Goods	1	Prior	RFB (1S 2E)	International Open	192,271,427.5	15/11/2023	01/12/2023	20/05/2024	31/12/2029
6	Procurement of Infant Warmers	Goods	1	Prior	RFB (1S 2E)	International Open	31,165,411.2	15/11/2023	01/12/2023	20/05/2024	31/12/2029
7	Procurement of Dental <ul style="list-style-type: none"> <li>Lot 1: Dental Chair (Complete System)</li> <li>Lot 2: Ultrasonic Scaler (Dental)</li> </ul>	Goods	1	Prior	RFB (1S 2E)	International Open	35,730,160.08	15/11/2023	01/12/2023	20/05/2024	31/12/2029
8	Procurement of Patient Monitoring Non-Invasive	Goods	1	Prior	RFB (1S 2E)	International Open	23,486,930	15/11/2023	01/12/2023	20/05/2024	31/12/2029
9	Procurement of Surgery <ul style="list-style-type: none"> <li>Lot 1: Electrocautery Unit</li> <li>Lot 2: Mayo Table/Instrument Table</li> </ul>	Goods	1	Prior	RFB (1S 2E)	International Open	27,204,371.56	15/11/2023	01/12/2023	20/05/2024	31/12/2029
10	Procurement of Respiratory <ul style="list-style-type: none"> <li>Lot 1: Nebulizer</li> <li>Lot 2: Oxygen Tank &amp; Regulator</li> <li>Lot 3: Spirometer/Diagnostic Spirometer</li> </ul>	Goods	1	Prior	RFB (1S 2E)	International Open	48,359,883.8	15/11/2023	01/12/2023	20/05/2024	31/12/2029
11	Procurement of Patient Diagnostic <ul style="list-style-type: none"> <li>Lot 1: Neonatal Duplex Stethoscope</li> <li>Lot 2: Fetal Stethoscope/Fetoscope</li> <li>Lot 3: Ophthalmoscope</li> <li>Lot 4: Otoscope</li> </ul>	Goods	1	Prior	RFB (1S 1E)	National Open	5,794,494.17	15/11/2023	01/12/2023	20/05/2024	31/12/2029

# Procurement Plan for Goods, Works and Non-Consulting Services (SOPHI)

No	Activity	Procurement Category	Component (SOPHI)	Review Type	Proc. Method	Market Approach	Estimated total amount (USD)	Bid Doc incl. Technical Specification	Initiate procurement	Signed Contract	Contract Completion
	• Lot 5: Thermometer										
12	Procurement of Laryngoscope	Goods	1	Prior	RFB (1S 2E)	International Open	13,795,838.85	15/11/2023	01/12/2023	20/05/2024	31/12/2029
13	Procurement of Patient Beds	Goods	1	Prior	RFB (1S 1E)	National Open	8,709,854.74	15/11/2023	01/12/2023	20/05/2024	31/12/2029
14	Procurement of Laboratory Point-Of-Care (POC)	Goods	1	Post	RFB (1S 1E)	National Open/RFQ/e-purchasing	492,068.88	15/11/2023	01/12/2023	20/05/2024	31/12/2029
15	Procurement of General Patient Care • Lot 1: Examination Light • Lot 2: Head Lamp • Lot 3: Portable Aspirators	Goods	1	Prior	RFB (1S 2E)	International Open	36,173,720	15/11/2023	01/12/2023	20/05/2024	31/12/2029
16	Procurement of Oximetry	Goods	1	Post	RFB (1S 1E)	National Open	1,176,903	30/11/2023	18/12/2023	03/06/2024	31/12/2029
17	Procurement of Vaccine Carrier	Goods	1	Post	RFB (1S 1E)	National Open	1,332,132	30/11/2023	18/12/2023	03/06/2024	31/12/2029
18	Procurement of Stretcher	Goods	1	Prior	RFB (1S 1E)	National Open	9,931,336.86	30/11/2023	18/12/2023	03/06/2024	31/12/2029
19	Procurement of Infusion Pump	Goods	1	Prior	RFB (1S 2E)	International Open	14,175,526.75	30/11/2023	18/12/2023	03/06/2024	31/12/2029
20	Procurement Of Sterilization	Goods	1	Post	RFB (1S 1E)	National Open/RFQ/e-purchasing	297,750	30/11/2023	18/12/2023	03/06/2024	31/12/2029
21	Procurement of Ultrasound	Goods	1	Prior	RFB (1S 1E)	National Open	7,009,271	30/11/2023	18/12/2023	03/06/2024	31/12/2029



# Procurement Plan for Goods, Works and Non-Consulting Services (InPULS)

No	Activity	Procurement Category	Component (InPULS)	Review Type	Proc. Method	Market Approach	Estimated total amount (USD)	Bid Doc incl. Technical Specification	Initiate procurement	Signed Contract	Contract Completion
1	Procurement of Laboratory General Bundle I <ul style="list-style-type: none"> <li>Lot 1: Micropipette &amp; Tips (size: 5-10 Micron, 20-100 Micron, 100-10000 Micron)</li> <li>Lot 2: Automatic Device for Multi Channel Pipette Calibration</li> <li>Lot 3: Hotplate + magnetic stirrer</li> <li>Lot 4: Mini-centrifuge (Spindown)</li> <li>Lot 5: Multichannel Pipette (size: 10,100, 200, 1000 micron)</li> <li>Lot 6: Photometer</li> <li>Lot 7: Refrigerated Centrifuge</li> <li>Lot 8: Vortex</li> </ul>	Goods	3	Prior	RFB (1S 2E)	International Open	18,916,956	15/11/2023	01/12/2023	20/05/2022	31/12/2029
2	Procurement of Laboratory General Bundle II <ul style="list-style-type: none"> <li>Lot 1: Analytical Balance</li> <li>Lot 2: Autoclave (Lab Use)</li> <li>Lot 3: Flammable Liquid Storage Cabinet</li> <li>Lot 4: Fume Hood</li> <li>Lot 5: Hygro-thermometer</li> <li>Lot 6: Laboratory incubator</li> <li>Lot 7: Laboratory oven</li> <li>Lot 8: Laminar Air Flow</li> </ul>	Goods	3	Prior	RFB (1S 2E)	International Open	28,732,994	15/11/2023	01/12/2023	20/05/2022	31/12/2029
3	Procurement of Laboratory Major Analyzers I <ul style="list-style-type: none"> <li>Lot 1: Urine Analyzer (Semi-automated)</li> <li>Lot 2: Chemi Luminescence Immuno Assay (CLIA)</li> <li>Lot 3: Enzyme Immuno Assay (EIA)</li> <li>Lot 4: HbA1C Analyzer (Hemoglobin Analyzer)</li> <li>Lot 5: Microbe Analyzer</li> <li>Lot 6: Ultraviolet-visible Spectrophotometer</li> <li>Lot 7: Autoanalyzer (Blood Chemistry)</li> <li>Lot 8: pH meter include temperature</li> <li>Lot 9: PCR</li> <li>Lot 10: RT-PCR</li> <li>Lot 11: Atomic Absorption Spectrophotometry (AAS, Flame &amp; Graphite Furnace)</li> <li>Lot 12: ELISA Set (ELISA Reader, ELISA Washer)</li> </ul>	Goods	3	Prior	RFB (1S 2E)	International Open	58,269,819	15/11/2023	01/12/2023	20/05/2022	31/12/2029

# Procurement Plan for Goods, Works and Non-Consulting Services (InPULS)

No	Activity	Procurement Category	Component (InPULS)	Review Type	Proc. Method	Market Approach	Estimated total amount (USD)	Bid Doc incl. Technical Specification	Initiate procurement	Signed Contract	Contract Completion
4	<p>Procurement of Laboratory Major Analyzers II</p> <ul style="list-style-type: none"> <li>Lot 1: ID-AST automated (Bacterial/Fungi Identification and sensitivity test) (True MIC)</li> <li>Lot 2: ID-AST semi-automated (Bacterial Identification and sensitivity test)</li> <li>Lot 3: High Performance Liquid Chromatography (HPLC)</li> <li>Lot 4: TDS Meter</li> <li>Lot 5: Inductively Coupled Plasma Mass Spectrometry (ICP-MS)</li> <li>Lot 6: Gas Chromatography Mass Spectrometry (GCMS)</li> <li>Lot 7: Hematology Analyzer</li> <li>Lot 8: Automatic Extractor (To isolate RNA and DNA from sample)</li> <li>Lot 9: Next Generation Sequencing (NGS)</li> <li>Lot 10: Oligosynthesizer</li> </ul>	Goods	3	Prior	RFB (1S 2E)	International Open	243,421,918	15/11/2023	01/12/2023	20/05/2024	31/12/2029
5	<p>Procurement of Laboratory Misc.</p> <ul style="list-style-type: none"> <li>Lot 1: Biosafety Cabinet (Class 2A)</li> <li>Lot 2: Centrifuge</li> <li>Lot 3: Colony counter</li> <li>Lot 4: Laboratory Incubator CO2</li> <li>Lot 5: Micropipette Set 10, 100, 200, 1000</li> <li>Lot 6: Nephelometer</li> <li>Lot 7: Oxygen Analyzer</li> <li>Lot 8: Pipette Dispenser</li> <li>Lot 9: Rotator Plate</li> </ul>	Goods	3	Prior	RFB (1S 2E)	International Open	20,589,127	15/11/2023	01/12/2023	20/05/2024	31/12/2029
6	<p>Procurement of Test Equipment – General Biomed Equipment</p> <ul style="list-style-type: none"> <li>Lot 1: Defibrillator Analyzer</li> <li>Lot 2: ECG Simulator</li> <li>Lot 3: Electrical Safety Analyzer</li> <li>Lot 4: Electrosurgical(ESU) Analyzer</li> <li>Lot 5: Incubator Analyzer</li> <li>Lot 6: Non-Invasive blood pressure simulator</li> <li>Lot 7: Pulse Oxymeter Simulator</li> <li>Lot 8: Vital Sign Simulator/ Multi Parameter Simulator</li> </ul>	Goods	3	Prior	RFB (1S 1E)	National Open	4,790,672	15/11/2023	01/12/2023	20/05/2024	31/12/2029
7	<p>Procurement of Test Equipment – General Purpose</p> <ul style="list-style-type: none"> <li>Lot 1: Blood Pressure System Calibrator</li> <li>Lot 2: Digital Calliper</li> <li>Lot 3: Digital Pressure Meter</li> <li>Lot 4: Photo or Contact Tachometer</li> <li>Lot 5: Pneumatic Test Pump</li> </ul>	Goods	3	Prior	RFB (1S 1E)	National Open	8,074,444.22	15/11/2023	01/12/2023	20/05/2024	31/12/2029

# Procurement Plan for Goods, Works and Non-Consulting Services (InPULS)

No	Activity	Procurement Category	Component (InPULS)	Review Type	Proc. Method	Market Approach	Estimated total amount (USD)	Bid Doc incl. Technical Specification	Initiate procurement	Signed Contract	Contract Completion
	<ul style="list-style-type: none"> <li>Lot 6: Sound Level Meter</li> <li>Lot 7: Gas Analyzer</li> </ul>										
8	Procurement of Cold Chain <ul style="list-style-type: none"> <li>Lot 1: Freezer</li> <li>Lot 2: Laboratory Refrigerator</li> </ul>	Goods	3	Prior	RFB (1S 2E)	International Open	30,232,686	15/11/2023	01/12/2023	20/05/2024	31/12/2029
9	Procurement of <u>Fetal Simulator</u>	Goods	3	Post	RFB (1S 1E)	National Open/RFQ/e-purchasing	350,066	30/11/2023	18/12/2023	03/06/2024	31/12/2029
10	Procurement of Gas Flow Meter/Ventilator Analyzer	Goods	3	Post	RFB (1S 1E)	National Open/RFQ/e-purchasing	417,999.78	30/11/2023	18/12/2023	03/06/2024	31/12/2029
11	Procurement of Infusion Device Analyzer	Goods	3	Post	RFB (1S 1E)	National Open	1,140,666	30/11/2023	18/12/2023	03/06/2024	31/12/2029
12	Procurement of Luxmeter	Goods	3	Post	RFB (1S 1E)	National Open	2,481,960	30/11/2023	18/12/2023	03/06/2024	31/12/2029
13	Procurement of Mercury Analyzer	Goods	3	Post	RFB (1S 1E)	National Open	1,009,800	30/11/2023	18/12/2023	03/06/2024	31/12/2029
14	Procurement of Phototherapy Radiometer	Goods	3	Post	RFB (1S 1E)	National Open/RFQ/e-purchasing	255,666	30/11/2023	18/12/2023	03/06/2024	31/12/2029
15	Procurement of Test Lung	Goods	3	Post	RFB (1S 1E)	National Open/RFQ/e-purchasing	497,199	30/11/2023	18/12/2023	03/06/2024	31/12/2029
16	Procurement of Ultrasound Phantom	Goods	3	Post	RFB (1S 1E)	National Open/RFQ/e-purchasing	277,200	30/11/2023	18/12/2023	03/06/2024	31/12/2029

# Procurement Plan for Consulting Services (Firm and Individuals)

No.	Activity	Comp.	Review type	Method	Market approach	Estimated amount in US\$	Terms of reference	Initiate procurement	Signed contract	Contract completion
1	Project Management Consultant	4	Prior	QCBS	International Open	\$5.5 mill	15/11/2023	01/12/2023	30/04/2024	31/12/2029
2	Consultant for development of data system and monitoring of health facilities readiness and equipment functionality	4	Post	CQS	National Open	\$300k	15/11/2023	01/12/2023	30/04/2024	31/12/2024
3	Consulting services for development of integrated data systems for facility readiness assessment and managing inventories	4	Post	CQS	National Open	\$300k	15/11/2023	01/12/2023	30/04/2024	31/12/2024
4	Project Director 1 (2 years)	4	Post	Competitive Method	National Open	\$112k	15/01/2024	20/01/2024	01/04/2024	31/03/2026
5	Project Director 2 (2 years)	4	Post	Competitive Method	National Open	\$112k	15/01/2024	20/01/2024	01/04/2024	31/03/2026
6	Project Director 3 (2 years)	4	Post	Competitive Method	National Open	\$112k	15/01/2024	20/01/2024	01/04/2024	31/03/2026
7	Procurement Consultant 1 (2 years)	4	Post	Competitive Method	National Open	\$64k	15/01/2024	20/01/2024	01/04/2024	31/03/2026
8	Procurement Consultant 2 (2 years)	4	Post	Competitive Method	National Open	\$64k	15/01/2024	20/01/2024	01/04/2024	31/03/2026
9	Procurement Consultant 3 (2 years)	4	Post	Competitive Method	National Open	\$64k	15/01/2024	20/01/2024	01/04/2024	31/03/2026
10	Financial Management Consultant 1 (1 year)	4	Post	Competitive Method	National Open	\$32k	15/01/2024	20/01/2024	01/04/2024	31/03/2025
11	Financial Management Consultant 2 (1 year)	4	Post	Competitive Method	National Open	\$32k	15/01/2024	20/01/2024	01/04/2024	31/03/2025
12	Financial Management Consultant 3 (1 year)	4	Post	Competitive Method	National Open	\$32k	15/01/2024	20/01/2024	01/04/2024	31/03/2025
13	Sr. Monitoring and Evaluation Consultant at CPMU	4	Post	Competitive Method	National Open	\$44k	15/01/2024	20/01/2024	01/04/2024	31/03/2025
14	Monitoring and Evaluation Consultant 1 (1 year)	4	Post	Competitive Method	National Open	\$32k	15/01/2024	20/01/2024	01/04/2024	31/03/2025
15	Monitoring and Evaluation Consultant 2 (1 year)	4	Post	Competitive Method	National Open	\$32k	15/01/2024	20/01/2024	01/04/2024	31/03/2025
16	Monitoring and Evaluation Consultant 3 (1 year)	4	Post	Competitive Method	National Open	\$32k	15/01/2024	20/01/2024	01/04/2024	31/03/2025
17	Contract Management Consultant 1 (1 year)	4	Post	Competitive Method	National Open	\$32k	15/01/2024	20/01/2024	01/04/2024	31/03/2025
18	Contract Management Consultant 2 (1 year)	4	Post	Competitive Method	National Open	\$32k	15/01/2024	20/01/2024	01/04/2024	31/03/2025
19	Contract Management Consultant 2 (1 year)	4	Post	Competitive Method	National Open	\$32k	15/01/2024	20/01/2024	01/04/2024	31/03/2025
20	Sr. Equity Consultant at CPMU	4	Post	Competitive Method	National Open	\$44k	15/01/2024	20/01/2024	01/04/2024	31/03/2025

## Procurement Plan for Consulting Services (Firm and Individuals)

21	Equity focal point consultant 1 (1 year)	4	Post	Competitive Method	National Open	\$32k	15/01/2024	20/01/2024	01/04/2024	31/03/2025
22	Equity focal point consultant 2 (1 year)	4	Post	Competitive Method	National Open	\$32k	15/01/2024	20/01/2024	01/04/2024	31/03/2025
23	Equity focal point consultant 3 (1 year)	4	Post	Competitive Method	National Open	\$32k	15/01/2024	20/01/2024	01/04/2024	31/03/2025
24	Environment/Social/Gender Consultant 1 (1 year)	4	Post	Competitive Method	National Open	\$32k	15/01/2024	20/01/2024	01/04/2024	31/03/2025
25	Environment/Social/Gender Consultant 2 (1 year)	4	Post	Competitive Method	National Open	\$32k	15/01/2024	20/01/2024	01/04/2024	31/03/2025
26	Environment/Social/Gender Consultant 3 (1 year)	4	Post	Competitive Method	National Open	\$32k	15/01/2024	20/01/2024	01/04/2024	31/03/2025
27	Sr. Environment consultant at CPMU		Post	Competitive Method	National Open	\$44k	15/01/2024	20/01/2024	01/04/2024	31/03/2025
28	Sr. Social consultant at CPMU		Post	Competitive Method	National Open	\$44k	15/01/2024	20/01/2024	01/04/2024	31/03/2025
29	Sr. Gender consultant at CPMU		Post	Competitive Method	National Open	\$44k	15/01/2024	20/01/2024	01/04/2024	31/03/2025
30	Sr. Equity consultant at CPMU		Post	Competitive Method	National Open	\$44k	15/01/2024	20/01/2024	01/04/2024	31/03/2025
31	Biomedical engineering consultant 1 (1 year)		Post	Competitive Method	National Open	\$32k	15/01/2024	20/01/2024	01/04/2024	31/03/2025
32	Biomedical engineering consultant 2 (1 year)	4	Post	Competitive Method	National Open	\$32k	15/01/2024	20/01/2024	01/04/2024	31/03/2025
33	Biomedical engineering consultant 3 (1 year)	4	Post	Competitive Method	National Open	\$32k	15/01/2024	20/01/2024	01/04/2024	31/03/2025

# Procurement Process

- Specific Procurement Notice (SPN) will be published in MoH's website, MDBs' external website and UNDB online for open international competition, while for national open competition, it will be published in e-procurement system (SPSE)
- Procurement method follows Request for Bid (RFB), single stage two envelopes for international open bidding
- Rated criteria applied for open competition
- Pre-bid meeting will be conducted in hybrid (two weeks after SPN publication)

# Procurement Process and Key Provisions

- Bidders may seek clarification on bidding documents until 15 business days before the deadline of bid submission
- Language of bids and all correspondences is in English
- Alternative bids for the same lot shall not be considered
- Price adjustment is not applicable
- A bid securing declaration is required
- The bidders are requested to submit bids in hard copy and soft file read-only (pdf and excel for financial proposal) in USB, CD or DVD for Technical and Financial Part of Bids along with original of Bid in the same respective envelope.

# Procurement Process and Key Provisions

- Currency of bids: Foreign currency (up to maximum three currency) and/or local currency
- Weighting system for Technical and Financial is 30%:70% (for cath lab). Other package may have different weighting system
- Evaluation will be done lot by lot (as applicable)
- Maximum percentage for which quantity may be increased or decreased is 10% at the time of contract award



# Procurement Process and Key Provisions

The total cost of the bid shall include all expenses for:

Design, manufacturing, procurement, testing, software, transportation, handling, insurance, warehousing, installation and commissioning, training, technical services (including the provision of technical data), comprehensive maintenance and repair services, and, as relevant, consumables/accessories for a period of minimum five years after installation

# Procurement Process and Key Provisions

Evaluation and qualification requirements:

- Financial capacity: Average Annual Turn Over (2 x cost estimates/contract period) for the last 3 years
- Bidders' specific experience: has experience in supplying similar equipment with specific minimum quantity for the last 7 years
- If the bidder is a manufacturer:
  - has manufactured goods of similar nature and complexity for at least four (4) years
  - its annual production capacity of goods of similar nature and complexity for each of the last four (4) years prior to the bid submission deadline, is at least 50% the quantities specified under each lot.
- Manufacturer's authorization is required

# Procurement Process and Key Provisions

## Technical evaluation

- Mandatory requirements: pass and fail
- Rated criteria (scoring) on technical aspects (30%):
  - Criteria whereby the bidder goes beyond minimum requirements in terms of technical equipment specifications (50%)
  - Criteria whereby the bidder goes beyond minimum requirements in relation to installation and commissioning, in particular in terms of timelines and additional value-added services provided (15%)
  - Criteria whereby the bidder goes beyond minimum requirements in relation to operational support (training, provision of consumables, etc.), maintenance, and repairs, in particular in terms of response timelines and additional value-added services provided (35%)

# Procurement Process and Key Provisions

## Financial Evaluation (70%)

- Evaluation will be done based on package or lot (if applicable)
- Life Cycle Cost will be applied for equipment require operation and maintenance by considering spare part, O&M costs and consumables for 10 years
- A domestic preference may be applied if appropriate
- If lot is applicable, the contract will be awarded to the Bidder with the Most Advantageous Bid for the individual lots. Cross discount is not applicable

# Procurement Process and Key Provisions

Combined Evaluation:

$$B \equiv \frac{C_{low}}{C} * X * 100 + \frac{T}{T_{high}} * (1 - X) * 100$$

where

$C$  = Evaluated Bid Price

$C_{low}$  = the lowest of all Evaluated Bid Prices among responsive Bids

$T$  = the total Technical Score awarded to the Bid

$T_{high}$  = the Technical Score achieved by the Bid that was scored best among all responsive Bids

$X$  = weight for the Cost as specified in the BDS

# Term and Conditions of Contract (Key Provisions)

- Bidder shall comply with MDBs anti-corruption Guidelines
- Evaluation will be done based on package or lot (if applicable)
- The trade terms shall be as prescribed by Incoterms 2020
- The language shall be in English
- Cyber security requirements does apply
- The Supplier shall provide their existing behavior standard that include general prohibition against misconduct, harassment, and criminal action related to sexual exploitation and abuse / sexual harassment (SEA/SH)
- The prices charged for the Goods supplied and the related Services performed shall not be adjustable

# Term and Conditions of Contract (Key Provisions)

- Proposed payment terms will be divided into several stages:
  - **On Acceptance:** Forty (40) percent of the Contract Price shall be paid to the Supplier within thirty (30) days after the date of the acceptance certificate for the respective delivery issued by the Purchaser. Acceptance will include training of the users of the equipment at the facility, in addition to installation, safety check, calibration and commissioning of the equipment.
  - **On uptime performance linked payment:** fifteen (15%) percent per half year of the Contract Price of delivered equipment adjusted for any penalty for delayed repair or higher downtime shall be paid within thirty (30) days of upon submission of claim supported by ASPAK data for the corresponding period over four (4) half year periods.
- The payment-delay period after which the Purchaser shall pay interest to the supplier shall be 45 days after submission by the Supplier of invoices supported by relevant documents. The interest rate that shall be applied is 0.1%.

# Term and Conditions of Contract (Key Provisions)

- A Performance Security shall be required. The amount of the Performance Security shall be 10% of Contract Price. Performance Security shall be in the form of a Demand Guarantee. Equipment Distribution Number (NIE) is not required to participate in bidding, yet will be required for contract signing..
- The insurance coverage shall be as specified in the Incoterms 2020.
- Responsibility for transportation of the Goods shall be as specified in the Incoterms



# Term and Conditions of Contract (Key Provisions)

- Incidental services to be provided are: testing, installation, operation, training of personnel, equipment/chemical end-of-life arrangement, such as take-back programs, recycling, or reprocessing of used equipment and on-site post warranty maintenance (service) contract for the period of five (5) years after the warranty period.
- The liquidated damage due to delays in delivery shall be: 1/100 per day. The maximum amount of liquidated damages for installation/commissioning shall be: 10%
- Penalty: Penalty shall be applied due to delays in repair 0.1% of the equipment value per day after 5 days from the notification. The penalty will be increased to 0.3% per day from the 16<sup>th</sup> day.

# Term and Conditions of Contract (Key Provisions)

- Delays in delivery of equipment and start-up consumables to site - penalty quantum 0.1% per day of the total contract value shall be applied.
- Delays in Acceptance, Testing and Commissioning - penalty quantum 0.1% per day of the total contract value shall be applied.
- Warranty period:
  - Penalty shall be applied due to the delays in preventive maintenance by 30 days after the scheduled date at 0.1% of the total contract value. Failure to perform corrective maintenance/repairs after downtime more than 5 days – penalty quantum 0.1% of the total contract value shall be applied, which will increase to 0.3% per day from the 16<sup>th</sup> day.
- Service Contracts
  - Penalty shall be applied due to the delays in preventive maintenance by 30 days after the scheduled date at 0.1% per day of the contract value for that equipment.
  - Failure to perform corrective maintenance/repairs after downtime more than 5 days – penalty quantum 0.1% of the contract value for that equipment shall be applied, which will increase to 0.3% per day from the 16<sup>th</sup> day.

Maximum liquidated damages during Operation and Maintenance phase upon acceptance will not exceed 25% of the total overall contract value.

# Term and Conditions of Contract (Key Provisions)

- The period of validity of the Warranty and the comprehensive on-site operations and maintenance contract shall be together of minimum 60 months from the date of acceptance of the Goods, which shall be extended for another five years during operation and maintenance.
- The period for repair or replacement shall be: maximum five (5) days from the notification, with response commencing within one hour for remote support and within 48 hours for on-site support.
- Value engineering proposal is not applicable

# Q&A

# Procurement Packaging (Bundles)

- Each **Equipment Type** is bundled into several lots of procurement – to be distributed to different regions of the country: West Indonesia, Central Indonesia; and East Indonesia.
- The corresponding equipment **Quantity** for each lot will be specified within the bidding documentation.

## Lot 1: West Indonesia

- Aceh
- Banten
- Bengkulu
- DKI Jakarta
- Jambi
- Jawa Barat
- Kepulauan Bangka Belitung
- Kepulauan Riau
- Lampung
- Riau
- Sumatera Barat
- Sumatera Selatan
- Sumatera Utara

## Lot 2: Central Indonesia

- DI Yogyakarta
- Kalimantan Barat
- Kalimantan Selatan
- Kalimantan Tengah
- Kalimantan Timur
- Kalimantan Utara
- Jawa Tengah

## Lot 3: East Indonesia

- Bali
- Gorontalo
- Jawa Timur
- Maluku
- Maluku Utara
- Nusa Tenggara Barat
- Nusa Tenggara Timur
- Papua
- Papua Barat
- Papua Barat Daya
- Papua Pegunungan
- Papua Selatan
- Papua Tengah
- Sulawesi Barat
- Sulawesi Selatan
- Sulawesi Tengah
- Sulawesi Tenggara
- Sulawesi Utara

# Documents Required for 'Technical Part' Bid Submission

\*Requirements to follow the Procurement Document conditions

- In addition to hardcopy of bid (as above), softcopy of the complete Technical bid document comprising of the following:
  - Completed Technical Specifications and Requirements, along with compliance evidence documents (indexed and labelled)
  - License for Special Equipment design, manufacture and installation, where applicable
  - Notifications of hazards, alerts and recalls, where applicable
- In Excel file format and PDF
- Two folders and label as indicated:
  - Tender Document\_Package Name\_Bidder Name
  - Reference Files\_Package Name\_Bidder Name

Reminder: All bidders are requested to submit USB, DVD or CD of each TECHNICAL PART & FINANCIAL PART with complete responses along with original Bid in the same respective envelope.

# Technical Bid Checklist - Sample

## Technical Bid Checklist

Technical Requirement No. Lot	Technical Requirement: <i>Refer to the technical document for <u>Cathlab</u></i> <i>Lot 1: Procurement of Cathlab Single Plane) for delivery to West Indonesia (171 units)</i> <i>Lot 2: Procurement of Cathlab Single Plane) for delivery to East Indonesia (224 units)</i> <i>Lot 3: Procurement of Cathlab Bi Plane (6 units)</i>
Bidder's technical bid/ compliance: <u>Technical specifications and requirements</u>	
Bidder's cross references to supporting information in the Technical Bid: <ol style="list-style-type: none"><li>1. <u>Documents – compliance evidence for technical specifications and requirements (indexed and labelled)</u></li><li>2. <u>License for Special equipment design, manufacture and installation, where applicable</u></li><li>3. <u>Proposed accessories and price (5 years binding)-</u></li><li>4. <u>Proposed consumables and price (5 years binding)</u></li><li>5. <u>Proposed comprehensive maintenance (Year 6 – 10)</u></li><li>6. <u>Notifications of hazards, alerts and recalls</u></li></ol>	

- Reference to the Bidding Document under Section IV – Bidding Forms.

# Technical Specifications Categories *(may vary based on the equipment type)*

- Item Description, Device Information
- Clinical Applications/Procedures
- Technical Specifications/Features
- Accessories Required for Each Clinical Application/Procedures
- Start-up Consumables (where applicable)
- Device Physical Attributes
- Mechanical & Electrical (M&E) Requirements
- IT Requirements
- Artificial Intelligence (AI) Capabilities (where applicable)
- Telemedicine Capabilities (where applicable)
- Medical Gases Requirements
- Room Requirements
- Maintenance & Service Requirements



# Draft Technical Specifications Requirements (Example of Sections)

## Cathlab (Single plane)

*Bidder shall complete this form to provide responses about their proposed medical equipment. Each response by Bidder shall be supported with reference document, e.g: Catalogue, Equipment Technical Data Sheet, etc., and each reference shall be highlighted and/or labelled.*

<p style="text-align: center;"><b>UMDNS:</b></p> <p style="text-align: center;"><b>16597</b></p> <p style="text-align: center;"><b>Radiographic/Fluoroscopic Systems, Angiography/Interventional (Single-Plane)</b></p> <p style="text-align: center;"><b>Total Quantity: 149</b></p>	<p><b>Equipment Location (Region):</b> <b>Quantity</b></p> <p>SIHREN a. West Indonesia: 149 units</p>	<p>Description:</p> <p>Radiographic/fluoroscopic (R/F) systems designed for visualizing the vascular anatomy. These systems include a x-ray generator and x-ray tubes with rotating anodes; image intensifiers, typically from 38 to 41 cm (12 to 16 inches); a video camera and display monitors; image recording devices; and a patient table. The typical angiographic R/F system configuration consists of a C-arm, a U-arm, or a parallelogram gantry system that holds the x-ray tube at one end of the arm and the intensifier and video camera tube at the other end. Most systems also include digital recording devices, stepping tabletops, cine cameras, and digital acquisition and processing capability (e.g., digital subtraction capability). These systems may include only one gantry arm (single-plane systems) or two orthogonal gantries (biplane systems), one of which is usually ceiling mounted. Biplane systems provide simultaneous recording and viewing of images from two different projections. Angiographic/interventional systems are used to provide real-time images of blood flow and vascular organ activity after trauma, disease, or surgery; in neurological procedures; for observing abnormal vasculature associated with tumor growth; and for providing anatomic and physiological information before and during interventional procedures. The procedures are typically conducted in a special imaging suite (angiographic or special procedures room) containing the x-ray imaging system, an injector for introducing contrast medium into the patient, physiologic monitoring equipment, and additional equipment to manage cardiovascular emergencies.</p> <p>The Radiographic/Fluoroscopic System shall include:</p> <ul style="list-style-type: none"><li>a. Radiographic/Fluoroscopic Systems, Angiography/Interventional (Single-Plane)</li><li>b. Injectors, Contrast Media, Angiography</li><li>c. Lights, Surgical, Ceiling-Mounted, Multiple-Head</li></ul>
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# Draft Technical Specifications Requirements (Example of Sections)

PROPOSED DEVICE INFORMATION	REQUIREMENTS	BIDDER'S RESPONSE
<b>a. Radiographic/Fluoroscopic Systems, Angiography/Interventional (Single-Plane)</b>		
<b>Brand/Manufacturer Name</b>	Bidder to specify	Enter Responses Here!
<b>Model Name</b>	Bidder to specify	Enter Responses Here!
<b>Country of Origin</b>	Bidder to specify	Enter Responses Here!
<b>Year of 1st Production for Model Proposed</b>	Bidder to specify	Enter Responses Here!
<b>Brochure/Catalogue</b>	Bidder shall provide product brochure in English. Both Soft copy and Hard copy are required.	Enter Responses Here!
<b>Nombor Izin Edar (NIE) - Indonesia Product Approval License</b>	NIE will not be a prerequisite at bidding stage, yet required for contract award. Bidder to specify whether NIE has already been allotted, as detailed in the bidding document	Enter Responses Here!
<b>U.S. FDA Clearance, CE Mark (Conformité Européenne mark) (MDD), or other health, safety and environmental standard adherence</b>	Bidder to specify, mandatory if NIE not allotted as of yet	Enter Responses Here!
<b>Picture of Model Proposed</b>	Bidder to attach a picture of model proposed	Enter Responses Here!

# Draft Technical Specifications Requirements (Example of Sections)

CLINICAL APPLICATIONS/PROCEDURES	REQUIRED SPECIFICATIONS	BIDDER'S RESPONSE		
		Yes (√)	No (x)	Bidder to enter responses about their device
<b>a. Radiographic/Fluoroscopic Systems, Angiography/Interventional (Single-Plane)</b>				
General Angiographic Applications - Diagnostic vascular imaging and vascular interventional procedures.	Evaluation of peripheral vascular disease; the diagnosis of pulmonary embolisms, arteriovenous malformations, and sarcomatous tumors; the assessment of vascular abnormalities associated with pancreatic carcinoma; and the visualization of abdominal aortic aneurysms, abdominal angina, and abdominal tumors.			Enter Responses Here!
Cardiovascular Applications - Coronary arteriography, Cardiac angiography	To visually evaluate the anatomy and pathology of the heart and coronary vessels (e.g., to detect coronary artery disease and angina pectoris).			Enter Responses Here!
Cardiac Catheterization Applications	Invasive procedure used primarily to locate and identify irregularities within the heart and its vasculature, the aorta, or the vena cava, as well as to define the size or severity of lesions. Also used in diagnosing disorders such as reduced left ventricular function, valve incompetence, pulmonary vascular disease, congenital anomalies, and pacemaker lead placement.			Enter Responses Here!
Cardiac Catheterization Physiologic Monitoring	To help clinicians observe physiologic changes resulting from treatment during catheterization			Enter Responses Here!

# Draft Technical Specifications Requirements (Example of Sections)

TECHNICAL SPECIFICATIONS/FEATURES	REQUIRED SPECIFICATIONS	BIDDER'S RESPONSE		
		Yes (√)	No (x)	Bidder to enter responses about their device
<b>a. Radiographic/Fluoroscopic Systems, Angiography/Interventional (Single-Plane)</b>				
<b>Type</b>	Single Plane			Enter Responses Here!
Single-Plane System	One gantry arm containing the x-ray system and the image-recording system			Enter Responses Here!
<b>Imaging Modality Capabilities</b>	a) Cardiovascular			Enter Responses Here!
	b) Angiography and Vascular Interventions			Enter Responses Here!
	c) Rotational Angiography Capabilities			Enter Responses Here!
	d) Digital Subtraction Angiography (DSA)			Enter Responses Here!
<b>Motorized Gantry (C-Arm) Configuration</b>	Floor or Ceiling-mounted			Enter Responses Here!
<b>Movement</b>	a) Posterior-Anterior			Enter Responses Here!
	b) Cranio-caudal (tilts toward the head (cranially) and feet (caudally))			Enter Responses Here!
Depth between Detector and Collimator, cm	Up to 107 cm			Enter Responses Here!
Right Anterio Oblique (RAO) Projection Angle, deg	Up to 120 deg			Enter Responses Here!
Left Anterio Oblique (LAO) Projection Angle, deg	Up to 120 deg			Enter Responses Here!
Cranial-to-Caudal Angulation Angle, deg	Up to ±50 deg			Enter Responses Here!
Rotation Rate, deg/sec	< 25 deg/sec, Variable			Enter Responses Here!

# Draft Technical Specifications Requirements (Example of Sections)

Type of Light Source				
<b>Main lighthouse</b>	LED			Enter Responses Here!
Number of LEDs	Bidder to specify			Enter Responses Here!
LED Lifespan, hr	30,000 hours			Enter Responses Here!
LED Lifespan, hr	More than 30,000 hours			Enter Responses Here!
Maximum Illumination Level, Lux at 1 m	40,000 - 160,000 lux			Enter Responses Here!
Adjustable illumination level	Required			Enter Responses Here!
Colour Temperature, K	minimum 3,500K			Enter Responses Here!
Colour Temperature Adjustment	Required			Enter Responses Here!
Colour Rendering Index (CRI), R <sub>9</sub> Value	95R <sub>9</sub>			Enter Responses Here!
Colour Rendering Index (CRI), R <sub>9</sub> Value	more than 95R <sub>9</sub> . Higher R <sub>9</sub> value is preferred			Enter Responses Here!
Field Size Diameter, cm	More than 18cm			Enter Responses Here!
Field Size Diameter Adjustment	Required			Enter Responses Here!
Field Size Depth, cm	More than 50cm			Enter Responses Here!

# Draft Technical Specifications Requirements (Example of Sections)

ACCESSORIES REQUIRED FOR EACH CLINICAL APPLICATION/PROCEDURES	REQUIREMENTS	BIDDER'S RESPONSE		
		Yes (√)	No (x)	Bidder to enter responses about their device
<b>a. Radiographic/Fluoroscopic Systems, Angiography/Interventional (Single-Plane)</b>				
IV pole	Required.			Enter Responses Here!
Software Modules	Required. Bidder to specify standard software provided for basic functionality, and also for specialized measurement and analysis of all intended clinical applications such as cardiovascular, angiography, peripheral vessels and neurology.			Enter Responses Here!
Angiography Phantoms	Required. Minimum 1 set to evaluate lateral and axial resolution, distance accuracy, sensitivity, uniformity, and hard-copy appearance			Enter Responses Here!

# Draft Technical Specifications Requirements (Example of Sections)

START-UP CONSUMABLES, where applicable	REQUIREMENTS	BIDDER'S RESPONSE		
		Yes (√)	No (x)	Bidder to enter responses about their device
<b>b. Injectors, Contrast Media, Angiography</b>				
Disposable Syringes and Tubings Kit	Bidder to specify quantity for 100 typical patient procedures			Enter Responses Here!
Others	Bidder to specify			Enter Responses Here!
<b>c. Lights, Surgical, Ceiling-Mounted, Multiple-Head</b>				
N/A	N/A			
DEVICE PHYSICAL ATTRIBUTES	REQUIREMENTS	BIDDER'S RESPONSE		
		Yes (√)	No (x)	Bidder to enter responses about their device
<b>a. Radiographic/Fluoroscopic Systems, Angiography/Interventional (Single-Plane)</b>				
Dimension, H x W x D, cm	Bidder to specify			Enter Responses Here!
Gantry Size, H x W x D, cm	Bidder to specify			Enter Responses Here!
Table Size, L x W, cm	Bidder to specify			Enter Responses Here!
Weight, kg	Bidder to specify			Enter Responses Here!

# Draft Technical Specifications Requirements (Example of Sections)

MECHANICAL & ELECTRICAL (M&E) REQUIREMENTS	REQUIREMENTS	BIDDER'S RESPONSE		
		Yes (√)	No (x)	Bidder to enter responses about their device
<b>a. Radiographic/Fluoroscopic Systems, Angiography/Interventional (Single-Plane)</b>				
Electrical Requirement, V	400 V, 50Hz 3-Phase			Enter Responses Here!
Power Consumption, kW	Bidder to specify highest power consumption			Enter Responses Here!
Scanning, kW	Bidder to specify			Enter Responses Here!
Standby, kW	Bidder to specify			Enter Responses Here!
Not in use, kW	Bidder to specify			Enter Responses Here!
<b>Uninterruptible Power Supply (UPS) System</b>	Required. Bidder must provide sufficient UPS supply for the proposed DSA system.			Enter Responses Here!
Coverage	Main system function and computer system			Enter Responses Here!
UPS System Power Rating	Bidder to specify			Enter Responses Here!
Estimated operation time, minutes	At least 30 minutes			Enter Responses Here!
Compliant with IEC 60601 - Safety of Medical Electrical Equipment	Required. Bidder to provide certificate.			Enter Responses Here!
Compliant with IEC Standards for Energy Efficiency	Bidder to specify relevant IEC Standards			Enter Responses Here!
Certifications related to Energy Efficiency	Bidder to specify.			Enter Responses Here!
<b>b. Injectors, Contrast Media, Angiography</b>				
Electrical Requirement, V	240 V AC, 50Hz, Single-Phase			Enter Responses Here!
Power Plug Type	3-pins/prongs power plug with strain relief, in compliance with Indonesia requirements			Enter Responses Here!
Power Consumption, kW	Bidder to specify highest power consumption			Enter Responses Here!



# Draft Technical Specifications Requirements (Example of Sections)

IT REQUIREMENTS	REQUIREMENTS	BIDDER'S RESPONSE		
		Yes (√)	No (x)	Bidder to enter responses about their device
<b>a. Radiographic/Fluoroscopic Systems, Angiography/Interventional (Single-Plane)</b>				
<b>Interface with Information System</b>				
Compatibility with DICOM (Digital Imaging and Communications in Medicine)	DICOM 3.0, with encryption feature including sending, receiving, storing and archiving. PACS Connectivity.			Enter Responses Here!
Integrating the Healthcare Enterprise (IHE) Profiles Supported	Required for communicating different devices			Enter Responses Here!
Interface with Information System	Required, e.g: HIS, RIS, EMR, etc			Enter Responses Here!
Type of Networking/Connectivity Interface	Wireless or LAN-Port Bidder to specify			Enter Responses Here!
Compatible Data Management System (Middleware)	Bidder to specify			Enter Responses Here!
Data Port	Data port must be activated, e.g: RS232 Bidder to ensure all output data will be transferable or integrated into HIS.			Enter Responses Here!
Communication Protocol	Bidder to specify			Enter Responses Here!
System Upgradeable in Future	Software and hardware upgradeable at no cost			Enter Responses Here!
Remote Support Capability	Off site diagnosis of technical issues and remote fixes. Bidder to specify.			Enter Responses Here!
<b>Cybersecurity Considerations</b>				
Installation of latest software version	Bidder to provide			Enter Responses Here!
Anti-malware software and firewalls	Required.			Enter Responses Here!

# Draft Technical Specifications Requirements (Example of Sections)

ARTIFICIAL INTELLIGENCE (AI) CAPABILITITES, where applicable	REQUIREMENTS	BIDDER'S RESPONSE		
		Yes (√)	No (x)	Bidder to enter responses about their device
<b>a. Radiographic/Fluoroscopic Systems, Angiography/Interventional (Single-Plane)</b>				
Does the equipment include any AI Capability?	Bidder to specify AI Capabilities.			Enter Responses Here!
What is the AI capability intended to assist with? (e.g., workflow automation, diagnosis assistance, patient scheduling, other)	Bidder to Specify			Enter Responses Here!
Does the AI Capability have High or Low impact on Patient Care?	Bidder to Specify			Enter Responses Here!
Is this equipment that incorporates AI capabilities generally classified as high-risk or low-risk?	Bidder to specify			Enter Responses Here!
Are the AI capabilities embedded in the device or require of third party applications?	Bidder to specify			Enter Responses Here!
<b>b. Injectors, Contrast Media, Angiography</b>				
Does the equipment include any AI Capability	Bidder to specify AI Capabilities.			Enter Responses Here!
What is the AI capability intended to assist with e.g., workflow automation, diagnosis assistance, patient scheduling, other	Bidder to Specify			Enter Responses Here!
Does the AI Capability have High or Low impact on Patient Care	Bidder to Specify			Enter Responses Here!
Is this equipment that incorporates AI capabilities generally classified as high-risk or low-risk	Bidder to specify			Enter Responses Here!

# Draft Technical Specifications Requirements (Example of Sections)

TELEMEDICINE (TM) CAPABILITITES, where applicable	REQUIREMENTS	BIDDER'S RESPONSE		
		Yes (√)	No (x)	Bidder to enter responses about their device
<b>a. Radiographic/Fluoroscopic Systems, Angiography/Interventional (Single-Plane)</b>				
Does the equipment have telemedicine capability or can it be used in telemedicine applications?	Bidder to specify telemedicine capabilities			Enter Responses Here!
<p>Asynchronous telemedicine capabilities.</p> <p>Store-and-forward technology is asynchronous in that it allows for the images or data to be interpreted at a later time and eliminates the need for the patient and physician to be in the same room or venue. (i.e., through store and forward, in which patient information, such as an image or data, "stored" in the originating facility's (i.e., where the patient is) computer system is sent securely ("forwarded") to the telehealth provider at the distant site (i.e., where the provider is) for review.)</p>	Bidder to specify			Enter Responses Here!
<p>Remote patient monitoring capabilities.</p> <p>Remote patient monitoring, in which vital sign information (e.g., blood pressure) and other data (e.g., blood glucose levels) are collected by monitoring devices, usually at home, and transferred to the patient's physician. This technology is used often in the care of patients with chronic conditions.</p>	Bidder to specify			Enter Responses Here!

# Draft Technical Specifications Requirements (Example of Sections)

- Bidder is expected to fulfill the room requirement; to supply, install and complete commission of the room incorporating a turnkey service.
- This includes wet works and painting, wall and floor finishing, ceiling works, necessary radiation shielding (walls, door frames, viewing panes and frames etc.).

ROOM REQUIREMENTS, where applicable	REQUIREMENTS	BIDDER'S RESPONSE		
		Yes (✓)	No (x)	Bidder to enter responses about their device
<b>a. Radiographic/Fluoroscopic Systems, Angiography/Interventional (Single-Plane) Room Readiness Requirement</b>	<b>To supply, install and complete commission of the room, includes wet works and painting, wall and floor finishing, ceiling works, necessary radiation shielding (walls, door frames, doors, viewing panes and frames, etc).</b>			Enter Responses Here!
Control Room or Workstation	Bidder to supply and install			
Technical Room	Bidder to supply and install including UPS cabinet			
Air conditioning requirements	Bidder to supply, install and complete commissioning of required air conditioning in equipment room and technical room			
Ceiling Load Capacity Requirement	Bidder to assess and provide reinforcement if necessary			
Room Radiation Protection	Bidder to supply and install barium shielded wall			
Audio/Video Communication System	Bidder to provide 2-ways To be integrated with Control Console			
Pre-Installation Requirements	All electrical power supply and installation to technical, control and equipment room			
Fire Alarm and Protection System	Bidder to supply and install			
Temperature Requirements	The areas temperature ranges from 22-32 C. Equipment must be operational in that temperature range. If it is not please specify the range needed.			


# Draft Technical Specifications Requirements (Example of Sections)

MAINTENANCE & SERVICE REQUIREMENTS	REQUIREMENTS	Yes (√)	No (x)	Bidder to enter responses about their device
<b>a. Radiographic/Fluoroscopic Systems, Angiography/Interventional (Single-Plane)</b>				
Acceptance Testing & Commissioning	Yes, inclusive of vendor representative attendance, with test equipments and supplies  Bidder must perform Acceptance Testing & Commissioning that includes Electrical Safety Testing using calibrated test equipment and tools, and procedural checklist. Bidder shall inspect and test all medical equipment supplied to hospital in accordance to manufacturer's recommended procedures.			Enter Responses Here!
User Training	Required. Twice, within 4 weeks upon successful Acceptance Testing & Commissioning.			Enter Responses Here!
Duration of User Training Session (Time)	Bidder to specify the duration of training session			Enter Responses Here!
Operator Manual (Instruction For Use) and Service Manual	Required. Bidder to provide in Hardcopy and/or Softcopy upon successful Acceptance Testing & Commissioning.			Enter Responses Here!
Warranty Duration	To commence upon successful Acceptance Testing & Commissioning.  Warranty Duration: minimum 5 years, inclusive of annual preventive maintenance and repair services; inclusive of all labor, parts, logistics and transportation			Enter Responses Here!
Extention of Warranty Duration	To commence upon successful Acceptance Testing & Commissioning.  Extension Warranty Duration: Year 6 and 7, inclusive of annual preventive maintenance and repair services; inclusive of all labor, parts, logistics and transportation			Enter Responses Here!


# Draft Technical Specifications Requirements (Example of Sections)

Manufacturer Recommended Annual Preventive Maintenance (Kalibrasi) Interval	Bidder to specify, by number of times a year, minimum 2 times per year			Enter Responses Here!
Comprehensive Service Contract Duration, Post Warranty	To commence upon end of Warranty Duration.  Comprehensive Service Contract Duration: minimum 5 years, inclusive of annual preventive maintenance and repair services; inclusive of all labor, parts, logistics and transportation			Enter Responses Here!
Response Time, Remote Technical Support (Phone/Email)	Within 1 hour upon notification from user, inclusive of weekends and public holidays  Applicable for both Warranty Duration and Comprehensive Service Contract Duration.			Enter Responses Here!
Response Time, On-site Technical Support	Within 48 hours upon notification from user, inclusive of weekends and public holidays  Applicable for both Warranty Duration and Comprehensive Service Contract Duration.			Enter Responses Here!
Turnaround time for corrective maintenance	less than 5 business days (with penalty system)			Enter Responses Here!
Uptime Guarantee, Annually (days)	≥95%			Enter Responses Here!
Assured Availability of Spare Parts	10 years post Acceptance Testing and Commissioning Date			Enter Responses Here!
Installation Base (Specific to this model)	Please provide installation base (hospital name and location), year of installation			Enter Responses Here!

# Technical Specifications Requirements – Example of Bidder’s Responses



BIDDER'S RESPONSE		
Yes (√)	No (x)	Bidder to enter responses about their device
√		suitable for adults,pediatrics and neonates,
	x	included multifrequency,typically from 1.25-8MHz for cardiac scanning,4-9MHz for vascular scanning
√		four active connectors



BIDDER'S RESPONSE		
Yes (√)	No (x)	Bidder to enter responses about their device
√		suitable for adults,pediatrics and neonates <span style="border: 1px solid red; padding: 2px;">see attach page 1</span>
	x	included multifrequency,typically from 1.25-8MHz for cardiac scanning,4-9MHz for vascular scanning <span style="border: 1px solid red; padding: 2px;">see attach page2</span>
√		four active connectors <span style="border: 1px solid red; padding: 2px;">see attach page 2</span>

- In the technical specifications section, bidder to fill in “Required Specifications” & “Bidder Response” column with references to evidence in product catalogue/data sheet/supporting documentation

# Technical Part Rating Criteria

## 1. Mandatory Requirements

- Minimum performance, safety or services requirements that must be met to be considered
- Indicated as 'Green' cells

## 2. Rated Criteria

- Represent those features that, if present, are clearly considered advantageous
- Indicated as 'Orange' cells

## 3. Information Requirements

- Comprising of information to be provided i.e., operating temperature range, physical dimensions
- Indicated as 'Non-Coloured' cells (white)

<b>Patient Table</b>	Floor-mounted
Movement Directions	Lateral, Longitudinal, Vertical (at least 4-way)
Lateral (Sideway) Movement Range, cm	17 - 36 cm Bidder to specify
Longitudinal (Lengthwise) Movement Range, cm	110 - 170 cm from end-to-end Bidder to specify
Vertical (Height) Movement Range, cm	74 - 116 cm Bidder to specify
Tabletop X-Ray Density, mm Al	Bidder to specify
Patient Weight Limit, kg	Minimum 200 kg
<b>X-Ray Generator System</b>	High-frequency type
Power Rating, kW @ 100 kVp	100kW
Radiographic mA Range	0 - 1,000 mA
Radiographic kV Range	60kV - 150 kV
Radiographic Timer, sec	≤1.5 sec
Fluoroscopic mA Range	0.1mA - 10 mA
Fluoroscopic kV Range	60kV - 110 kV
Cine Range, fps	7.5 fps
Control System	Integrated system, in room
<b>X-Ray Tube System</b>	High frequency generator
X-Ray Tube	1
Power Rating, kW	Up to 100 kW. Bidder to specify ratings
Focal Spot Size, mm	0.2mm - 0.3mm, 0.6mm, 1mm - 1.2 mm

SAMPLE



# Technical Part Scoring Principle

## 1. Mandatory Requirements

- Minimum performance, safety or services requirements that must be met to be considered
- Will be judged on a Pass/Fail basis; no score

## 2. Rated Criteria

- Represent those features that, if present, are clearly considered advantageous
- Weightage is assigned and scoring done

- A weighted system will be used to evaluate the Rated Criteria.
- Score will be assigned if the criteria is met
- Zero if response absent/not provided

## 3. Information Requirements

- Comprising of information i.e., operating temperature range, physical dimensions
- No score; needed for completeness of submission

# Hazard Notification Form

## Notification of Equipment Hazards and/or Recalls

Please list down the Hazards and/or Recalls of the equipment that you proposed and the field corrective actions

**List (Reported Hazards, Alerts, RECALL):**

*Enter Responses Here!*

*Enter Responses Here!*

*Enter Responses Here!*

*Enter Responses Here!*

*Enter Responses Here!*

*Enter Responses Here!*

*Enter Responses Here!*

**Please provide clarification of action taken:**

*Enter Responses Here!*

*Enter Responses Here!*

*Enter Responses Here!*

*Enter Responses Here!*

*Enter Responses Here!*

*Enter Responses Here!*

*Enter Responses Here!*

BIDDER shall notify BUYER, during this bidding document process and, if contract awarded, for the lifetime of the Proposed Medical Equipment, if a product recall or defect notice is issued related to any of the equipment quoted being manufactured and/or delivered to BUYER under the terms of this tender document and shall notify BUYER of said recall or defect within five (5) days of the earliest recall or defect announcement in any nation by the manufacturer or device regulatory body.

BIDDER understands that failure to comply with this requirement may lead to a one (1)-year BUYER ban on the purchase of all products from BIDDER.

# Documents Required for 'Financial Part' Bid Submission

\*Requirements to follow the Procurement Document conditions (Price Schedule Forms)

- A softcopy of the complete Financial bid document comprising of the following:
  - Proposed accessories and price (5-years binding)
  - Proposed consumables and price (5-years binding)
  - Proposed post-warranty maintenance service contract (Year 6 – Year 10)
- In Excel file format and PDF
- Two folders and label as indicated:
  - Tender Document\_Package Name\_Bidder Name
  - Reference Files\_Package Name\_Bidder Name

Reminder: All bidders are requested to submit USB, DVD or CD of each TECHNICAL PART & FINANCIAL PART with complete responses along with original Bid in the same respective envelope. |







# Proposed Timeline for Procurement of Cathlab

Procurement Stage	Date	Notes
Announcement (SPN)	NOV 15, 2023	Pre-Bid Meeting on NOV 29, 2023
		Request for clarification ends DEC 14, 2023
Bid Submission Deadline (Public opening of technical parts)	JAN 9, 2024	Follows with Technical Parts evaluation
Notification of evaluation of technical parts	JAN 30, 2024	
Public opening of financial parts	FEB 14, 2024	Follows with Financial/Combined Evaluation
Notification on Intention to Award	MAR 18, 2024	Standstill Period ends on APR 1, 2024
Award Notice	APR 2, 2024	
Contract Signing	APR 30, 2024	
Delivery, Installation and Acceptance	OCT 31, 2024	Final batch of delivery JAN, 2027

# Q&A



**Terima kasih**

**Thank you**