

ORCI OCEAN ROAD
CANCER
INSTITUTE

Box 3592, Dar es Salaam, Tanzania
Tel. 2127597, Fax: 255-22-2118704



CONTRACTUAL AGREEMENT

Between

OCEAN ROAD CANCER INSTITUTE, TANZANIA

And

ANUDHA LIMITED, TANZANIA

TENDER NO. PA-010/2021-2022/G/38

FOR

SUPPLY OF AND INSTALLATION OF EMERGENCY MEDICAL
EQUIPMENT FOR MTWARA ZONAL HOSPITAL, LIGULA
RRH AND MOROGORO RRH.

Executive Director,
Ocean Road Cancer Institute
Barack Obama Road/Luthuli Road,
P.O. Box 3592
Dar es Salaam, Tanzania

DECEMBER 2021

Form of Contract

THIS AGREEMENT made the FRIDAY 24 day of December 2021 between OCEAN ROAD CANCER INSTITUTE, junction of Luthuli road/ Barack Obama Road P.O Box 3592 Dar es Salaam of Tanzania (hereinafter called "the PE") of the one part and ANUDHA LIMITED of P. o. Box 5982. Plot 2169/82& 8170/82, Morogoro Road, Opp. DART Kisutu Bus stand, DAR ES SALAAM TANZANIA (hereinafter called "the Supplier") of the other part:

WHEREAS the PE invited Tenders for certain goods and ancillary services, viz **SUPPLY OF AND INSTALLATION OF EMERGENCY MEDICAL EQUIPMENT FOR MTWARA ZONAL HOSPITAL, LIGULA RRH AND MOROGORO RRH** and has accepted a Tender by the Supplier for the supply of those goods and services in the sum of Tanzania shillings Two Billion One Hundred Eighty Three Million and Eighty Two Thousand Only. TSH 2,183,082,000.00 (VAT inclusive) (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, In the event of any ambiguity or conflict between the Contract Documents listed below, the order of precedence shall be the order in which the Contract Documents are listed below:-
 - (a) This form of agreement;
 - (b) the Form of Tender and the Price Schedule submitted by the Tenderer;
 - (c) the Schedule of Requirements;
 - (d) the Technical Specifications;
 - (e) the Special Conditions of Contract;
 - (f) the GCC;
 - (g) the Purchaser's Letter of Acceptance; and
 - (h) [add here: any other documents]

3. In consideration of the payments to be made by the PE to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the PE to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract
4. The PE hereby covenants to pay the Supplier **Tanzania shillings Two Billion One Hundred Eighty Three Million and Eighty Two Thousand Only. TSH 2,183,082,000.00 (VAT inclusive)** in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed by, for and on behalf of the Employer: **OCEAN ROAD CANCER INSTITUTE DAR ES SALAAM TANZANIA**

NAME: Dr Julius Mwaikelaga

DESIGNATION: Executive Director

SIGNATURE: [Handwritten Signature]



IN PRESENCE OF:

NAME: ELIPENDO KAZIMOTO

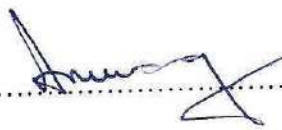
DESIGNATION: HEAD OF LEGAL SERVICES

SIGNATURE: [Handwritten Signature]

Signed by, for and on behalf of the Supplier: ANUDHA LIMITED P.O BOX 5982
DAR ES SALAAM

NAME:.....Anurag Hassija.....

DESIGNATION:.....Director.....

SIGNATURE:..........



IN PRESENCE OF:

NAME:.....Nishita Patel.....

DESIGNATION:.....Manager.....

SIGNATURE:..........



**THE FORM OF TENDER AND THE PRICE SCHEDULE SUBMITTED
BY THE TENDERER**

02

THE SCHEDULE OF REQUIREMENTS

Jon



anudha limited

QUOTATION SUBMISSION FORM

DATE: 24th November, 2021

PURCHASER: OCEAN ROAD CARDIAC INSTITUTE

TENDER NO. PA-010/2021-22/G/38

To,
Executive Director
Ocean Road Cancer Institute
P.O Box 3592
Dar Es Salaam.

Dear Sir or Madam:

We agree to supply the goods specified in the Schedule of Requirement and prices of the in accordance with the Conditions of Contract accompanying this Bid for the Contract Price **Tshs 2,183,082,000/-, Two Billion, One Hundred Eighty Three Million and Eighty Two Thousand Only** in Tanzanian Shillings

We also offer to deliver the said goods within the period of **1 to 16 weeks after the LPO** as specified in the schedule of requirement.

This quotation and your written acceptance of it shall constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any quotation you receive.

We agree to abide by this Tender for the Tender Validity Period specified in **ITT 6**, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

We are not participating, as Tenderers, in more than one Tender in this tendering process, other than alternative offers in accordance with the Tendering Documents.

We declares that our quoted price did not involve agreement with other tenderers for the purpose of tender suppression.

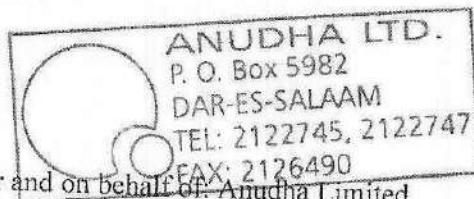
We hereby confirm that this quotation complies with the conditions required by the invitation for quotations.

Dated on 23rd day of November, 2021

In the capacity of **DIRECTOR**
Name: **ANURAG HASSIJA**

Signed: _____

Duly authorized to sign Tender for and on behalf of Anudha Limited



P. O. BOX 5982, DAR ES SALAAM, TANZANIA
Plot 2169/82 & 8170/82, Morogoro Road, Opp. DART-KISUTU Bus stand
Tel: +255 22 2125746/ 2121188/ 2122745/ 2122747/ 2122746; Fax: +255 22 2126490; Cell: +255 783 523 777
Email: sales@anudha.com, sales@anudha.com, anudha@ctvsatcom.net, service@anudha.com

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Price Schedule: Goods Manufactured Outside United Republic of Tanzania, already imported
TENDER NO. PA-010/2021-2022/G/38

SUPPLY OF ICU EQUIPMENTS AND CONSUMABLES FOR ORCI, MWARA ZONAL, LIGULA AND MORGORO RHH

FOR

SUPPLY OF ICU EQUIPMENTS AND CONSUMABLES FOR MWARA ZONAL

1	2	3	4	5	6	7	8	9	10	11	12
Line Item No	Description of Goods	Country of Origin	Delivery Date as defined by Incoterms	Quantity and physical unit	Unit price including Customs Duties and Import Taxes paid, in accordance with ITT 15.6 (c)(iv)	Customs Duties and Import Taxes paid per unit in accordance with ITT 15.6 (c)(iv) - (to be supported by documentary)	Unit Price net of customs duties and import taxes, in accordance with ITT 15.6 (c)(iv) (Col 6 minus Col 7)	Price per line item net of Customs Duties and Import Taxes paid, in accordance with ITT 15.6 (c)(iv) (Col 5-8)	Price per line item for inland transportation and other services required in the PEW country to convey the goods to their final destination, as specified in BIDS in accordance with ITT 15.6 (c)(v)	Sales and other taxes paid or payable per item if Contract is awarded in accordance with ITT 15.6 (c)(iv)	Total Price per line item
1	Digital blood pressure machine (bench type) - Esaymed	Manufacturer: Geratitem - Germany	1 to 16 weeks	4	98,000	-	-	-	-	-	392,000
2	Arterial blood gas (ABG) machine	Manufacturer: Medica - US	1 to 16 weeks	1	12,000,000	-	-	-	-	-	12,000,000
3	5yrs Comprehensive Maintenance			1	9,000,000						9,000,000
4	Sphygmoscope - MDF 747Xp	Manufacturer: MDF - China	1 to 16 weeks	10	55,000	-	-	-	-	-	550,000
5	Adult weighing scale Health and Weight	Manufacturer: USA	1 to 16 weeks	1	450,000	-	-	-	-	-	450,000
6	Resuscitator, manual, infant/Ambu bag	Manufacturer: GST - India	1 to 16 weeks	7	75,000	-	-	-	-	-	525,000
7	Resuscitator, manual, adult/Ambu bag	Manufacturer: GST - India	1 to 16 weeks	7	75,000	-	-	-	-	-	525,000
8	Suction machine Model: Ashir 40	Manufacturer: CA-MI - Italy	1 to 16 weeks	4	1,300,000	-	-	-	-	-	5,200,000
9	Infant Suction machine Model: New Aspirat	Manufacturer: CA-MI - Italy	1 to 16 weeks	2	430,000	-	-	-	-	-	860,000
10	Diathermy machine Model: Shalyn Sigma +	Manufacturer: XcelLance - India	1 to 16 weeks	1	9,600,000	-	-	-	-	-	9,600,000
11	Autoclave (electric or non-electric) and supplies 100lbs	EA	1 to 16 weeks	3	7,580,000	-	-	-	-	-	22,740,000
12	Examination light Model: Haagren - LS 935	Manufacturer: China	1 to 16 weeks	2	300,000	-	-	-	-	-	600,000
13	Examination Screening	Manufacturer: China	1 to 16 weeks	4	450,000	-	-	-	-	-	1,800,000
14	Laryngoscope	Manufacturer: GST - India	1 to 16 weeks	4	340,000	-	-	-	-	-	1,360,000
15	Examination Bed Model: B-40	Manufacturer: Hebei - China	1 to 16 weeks	4	400,000	-	-	-	-	-	1,600,000
16	Defibrillator Model: BeneHeart D6 with CO2	Manufacturer: Mindray - China	1 to 16 weeks	1	23,500,000	-	-	-	-	-	23,500,000
17	Comprehensive maintenance for Defibrillator annual 950,000										
18	Defibrillator - BeneHeart D6										
19	Inclusive of service once per annum										
20	Inclusive of the all Spares parts for the duration										
21	Inclusive of the ECG cable										
			1 to 16 weeks	1	4,000,000						4,000,000

Not Included:		portable pedicle for ABD option, QEL																		
16	Wheel chair	Manufacturer: China	1 to 16 weeks	8	250,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,000,000
17	Heavy Duty Stretcher Model: YDC 3B	Manufacturer: China	1 to 16 weeks	3	2,300,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,500,000
18	Glucometer	Manufacturer: Canada	1 to 16 weeks	7	20,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	203,000
19	Patient Monitor Model: ePM 1.5 with CO2	Manufacturer: Mindray - China	1 to 16 weeks	5	15,500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77,500,000
5	Comprehensive maintenance for Patient monitor			5	2,500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,500,000
20	Patient Bed with Mattresses ICU BED Model: DA-3 With 10cm mattress H-13 H-LV70L	Manufacturer: Hefei - China	1 to 16 weeks	6	5,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30,000,000
21	Drip stand	Manufacturer: China	1 to 16 weeks	10	65,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	650,000
	Dressing set list	Instrument																		
	- Dissecting forceps - 2 pcs	- Tray - 1																		
	- Dissecting forceps tooth - 2pc																			
	- Artery forceps 6" - 2 pc																			
	- Artery forceps 5" - 2pc																			
	- Scissor - 1 pcs																			
	- Gauze swabs - 4 pks																			
	- Needle holder 5" - 1 pcs																			
	- BP handle - 1 pcs																			
	- Galipot - 2 pcs																			
	- Kidney dish - 2 pcs																			
	- Sinus forceps - 2 pcs																			
	- Kocher forceps - 2pc																			
	- Sponge Holding forceps - 1 pc																			
22	Adult Ventilator Model: SV 1000Pro	Manufacturer: Mindray - China	1 to 16 weeks	3	52,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	156,000,000
	Comprehensive maintenance for Ventilator SV1000 pro			3	14,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,000,000
23	Adult Ventilator Model: SV 1000Pro	Manufacturer: Mindray - China	1 to 16 weeks	3	52,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	156,000,000
	Comprehensive maintenance for Ventilator SV1000 pro			3	14,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42,000,000
24	CRAP Machine	Manufacturer: IMIC - China	1 to 16 weeks	1	45,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,500,000
25	Comprehensive maintenance for Ventilator SV1000 pro	Manufacturer: China	1 to 16 weeks	1	9,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45,000,000
26	Comprehensive maintenance for Ventilator SV1000 pro	Manufacturer: China	1 to 16 weeks	1	9,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45,000,000
27	Portable Ultrasound Model: Z-60 with 3 probes	Manufacturer: Mindray - China	1 to 16 weeks	1	20,300,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20,300,000
28	Operating Table (Maintenance electric)	Manufacturer: Indonesia	1 to 16 weeks	1	5,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,000,000
	3 year comprehensive service			1	12,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,000,000

Item No.	Instrument/Trolley Model	Manufacturer	1 to 16 weeks	4	380,000	1,520,000
29	Instrument Trolley Model: F-19	Manufacturer: Hebei - China	1 to 16 weeks	4	380,000	1,520,000
30	Blood Bag Model: HMC-1369	Manufacturer: Hebei - China	1 to 16 weeks	1	22,000,000	22,000,000
31	Adjustable Mayo Table Model: F-33	Manufacturer: Hebei - China	1 to 16 weeks	2	380,000	760,000
32	Operating instrument set Kocher Bovise curved-2 Long artery forceps-3 Kocher forceps straight-4 Small artery forceps-3 Mossipato artery forceps-5 Mayo scissor curved-2 Makindee scissor curved-2 Metal Nasal suction-2 BP handle no 3-1 BP handle no 4-1 Dissecting forceps toothed-2 Dissecting forceps non toothed-2 Graft pins-2 Kidney dish small-1 Kidney dish Large-1 Suction tube-1 Abdominal depressor-1 Tissue forceps-7 Bab cock forceps-2 Abdominal retractor-1 (bulky) Retractor Miscellaneous-4 Ligature retractor-1pc Merris retractor-1pc	EA	3	695,000	2,085,000	
33	Medication trolley Model: F-45-2	Manufacturer: Hebei - China	1 to 16 weeks	3	1,890,000	5,670,000
34	Nebulizer Model: Church	Manufacturer: CA-MI - Italy	1 to 16 weeks	5	430,000	2,150,000
35	Clinical thermometer Geratherm	Manufacturer: Geratherm - Germany	1 to 16 weeks	10	7,500	75,000
36	Clean linen trolley	Manufacturer: Hebei - China	1 to 16 weeks	2	550,000	1,100,000
37	Dirty linen trolley	Manufacturer: Hebei - China	1 to 16 weeks	2	550,000	1,100,000
38	Portable patient monitor, movable Model: UMEC 10	Manufacturer: Mindray - China	1 to 16 weeks	3	6,200,000	18,600,000
39	5 year comprehensive service	EA	2 to 16 weeks	3	2,500,000	7,500,000
40	Sterilization drum	EA	8	65,000	520,000	799,995,000
SUB TOTAL						799,995,000
SUPPLY OF EMD EQUIPMENTS AND CONSUMABLES FOR LIQUILA						
1	Digital blood pressure machine (bench type)	Manufacturer: Geratherm - Germany	1-16 weeks	2	98,000	196,000
2	Arterial blood gas (ABG) machine	Manufacturer: CA-MI - Italy	1 to 16 weeks	1	12,000,000	12,000,000
3	5 year comprehensive service	Manufacturer: MDF - China	1 to 16 weeks	5	55,000	275,000
4	Adult weighing scale Healthometer (Height and Weight)	Manufacturer: USA	1 to 16 weeks	2	450,000	900,000

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5	Weighting Scale, baby basin type Healthometer	Manufacturer: USA	1 to 16 weeks	1	320,000	-	-	-	-	-	-	-	-	-	-	-	-	-	320,000
6	Resuscitator, manual, infant/ventic bag	Manufacturer: GST - India	1 to 16 weeks	10	75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	750,000
7	Infant radiant warmer NVS101	Manufacturer: Phoenix - India	1 to 16 weeks	2	3,800,000	-	-	-	-	-	-	-	-	-	-	-	-	-	7,600,000
8	Baby cot (bassinet) hospital-type Model: B - 36	Manufacturer: Hebei - China	1 to 16 weeks	2	540,000	-	-	-	-	-	-	-	-	-	-	-	-	-	1,080,000
9	Resuscitator-manual-adult	Manufacturer: GST - India	1 to 16 weeks	20	75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	1,500,000
10	Stethocon machine Model: AS-30	Manufacturer: CA-MI - Italy	1 to 16 weeks	4	1,300,000	-	-	-	-	-	-	-	-	-	-	-	-	-	5,200,000
11	Infant Suction machine New Aspirer	Manufacturer: CA-MI - Italy	1 to 16 weeks	2	430,000	-	-	-	-	-	-	-	-	-	-	-	-	-	860,000
12	Diathermy machine Stalpa Sigma +	Manufacturer: Xcellance - India	1 to 16 weeks	1	9,600,000	-	-	-	-	-	-	-	-	-	-	-	-	-	9,600,000
13	Altimeter 100lbs	EA		1	7,500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	7,500,000
14	Examination light Model: Halogen - KS Q33	Manufacturer: China	1 to 16 weeks	4	300,000	-	-	-	-	-	-	-	-	-	-	-	-	-	1,200,000
15	Examination Screening	Manufacturer: China	1 to 16 weeks	6	450,000	-	-	-	-	-	-	-	-	-	-	-	-	-	2,700,000
16	Laryngoscope	Manufacturer: GST - India	1 to 16 weeks	2	340,000	-	-	-	-	-	-	-	-	-	-	-	-	-	680,000
17	Resuscitation bed BEID Model: DA-3 With 10cm mattress-13 x1 vrod	Manufacturer: Hebei - China	1 to 16 weeks	6	5,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	30,000,000
18	Wheel chair	Manufacturer: Hebei - China	1 to 16 weeks	5	250,000	-	-	-	-	-	-	-	-	-	-	-	-	-	1,250,000
19	Heavy Duty Stretcher Model: YDC 33	Manufacturer: China	1 to 16 weeks	4	2,500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	10,000,000
20	Glucometer	Manufacturer: Canada	1 to 16 weeks	10	29,000	-	-	-	-	-	-	-	-	-	-	-	-	-	290,000
21	Patient Bed with Mattresses Model: B11-1 With 10cm mattress-13 x1 vrod	Manufacturer: Hebei - China	1 to 16 weeks	8	1,800,000	-	-	-	-	-	-	-	-	-	-	-	-	-	14,400,000
22	Gynae Table Model: F-32	Manufacturer: Hebei - China	1 to 16 weeks	8	320,000	-	-	-	-	-	-	-	-	-	-	-	-	-	2,560,000
23	Drip stand	Manufacturer: China	1 to 16 weeks	14	65,000	-	-	-	-	-	-	-	-	-	-	-	-	-	910,000
24	Dressing set list - Tray - 1 - Dissecting forceps - 2 pcs - Dissecting forceps tooth - 2pc - Artery forceps 6" - 2 pcs - Artery forceps 8" - 2pc - Scissor - 1 pc - Stimulus - 1 pc - Gauze sponges - 4 pcs - Needle holder 5" - 1 pc - BP handle - 1 pc - Gallipet - 2 pcs - Kidney dish - 2 pcs - Sims forceps - 2 pcs - Kocher forceps - 2pc - Sponges Folding forceps - 1 pc	Manufacturer: Hanata - Pakistan	1 to 16 weeks	10	290,000	-	-	-	-	-	-	-	-	-	-	-	-	-	2,900,000
25	Pediatric Ventilator Model: SV 300pro	Manufacturer: Mingy - China	1 to 16 weeks	1	52,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	52,000,000

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	Comprehensive maintenance for Ventilator SV-300 pro	Manufacturer: Mindray - China	1 to 16 weeks	1	14,000,000							14,000,000
27	Adult Ventilator Model: SV 300pro	Manufacturer: Mindray - China	1 to 16 weeks	1	52,000,000							52,000,000
	Comprehensive maintenance for Ventilator SV-300 pro	Manufacturer: Mindray - China	1 to 16 weeks	1	14,000,000							14,000,000
28	CPAP Machine	Manufacturer: BNAIC - China	1 to 16 weeks	1	12,500,000							12,500,000
29	Analgesia	Manufacturer: China	1 to 16 weeks	1	53,000,000							53,000,000
	5 year comprehensive service	Manufacturer: Mindray - China	1 to 16 weeks	1	9,000,000							9,000,000
30	Portable Ultrasound	Manufacturer: Mindray - China	1 to 16 weeks	1	30,300,000							30,300,000
31	Model: Z-60	Manufacturer: Mindray - China	1 to 16 weeks	1	5,400,000							5,400,000
	5 year comprehensive service	Manufacturer: Indonesia	1 to 16 weeks	1	12,000,000							12,000,000
32	Operating Table (Multifunction, electric)	Manufacturer: Hebei - China	1 to 16 weeks	4	380,000							1,520,000
33	Instrument Trolley Model: F-19	Manufacturer: Hebei - China	1 to 16 weeks	1	22,400,000							22,400,000
34	Refrigerator Blood Bag Model: HXC-1369	Manufacturer: Hebei - China	1 to 16 weeks	2	380,000							760,000
35	Adjustable Mayo Table Model: F-32	Manufacturer: Hebei - China	1 to 16 weeks	2	695,000							1,390,000
	Operating instrument set forceps curved-2 long artery forceps-3 Kocher forceps straight-4 Small artery forceps-3 Mosquito artery forceps-5 Mayo scissor curved-2 Makindous scissor curved-2 Metal Nasal suction-2 BP handle no 3-1 BP handle no 4-1 Dissecting forceps toothed-2 Gall pots-2 Kidney dish small-1 Kidney dish Large-1 Suction tube-1 Abdominal depressor-1 Tissue forceps-7 Bab-cock forceps-2 Abdominal retractor-1 (half four Retractor) Merzen sissor-4 Lapenback retractor-lpc Moris retractor- lpc	Manufacturer: Hunan - Pakistan	1 to 16 weeks	2	695,000							1,390,000
37	Medication trolley Model: F-45-2	Manufacturer: Hebei - China	1 to 16 weeks	2	1,890,000							3,780,000
38	Nebulizer Model: Clinob	Manufacturer: CA-Mil - Italy	1 to 16 weeks	3	430,000							1,290,000
39	Clinical thermometer Geratherm	Manufacturer: Geratherm - Germany	1 to 16 weeks	10	7,500							75,000
40	Vein finder Model: Vein Navigator	Manufacturer: Medepstein	1 to 16 weeks	2	6,900,000							13,800,000

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41	Arterial fountain	Model:	Manufacturer: China	1 to 16 weeks	6	5,000	-	-	-	-	-	-	-	-	-	-	-	-	30,000
42	Bag - valve-mask	Model:	Manufacturer: Well tend	1 to 16 weeks	2	7,000	-	-	-	-	-	-	-	-	-	-	-	-	14,000
43	Portable patient monitor - movable	UMEC 10	Manufacturer: Indonesia	1 to 16 weeks	2	6,200,000	-	-	-	-	-	-	-	-	-	-	-	-	12,400,000
44	5 year comprehensive service		Manufacturer: Indonesia	2 to 16 weeks	2	2,500,000	-	-	-	-	-	-	-	-	-	-	-	-	5,000,000
45	Bed pans		Manufacturer: China	1 to 16 weeks	4	55,000	-	-	-	-	-	-	-	-	-	-	-	-	220,000
46	Draught		Manufacturer: India	1 to 16 weeks	2	6,000	-	-	-	-	-	-	-	-	-	-	-	-	12,000
47	Burr hole set		Manufacturer: Pakistan	1 to 16 weeks	1	1,500,000	-	-	-	-	-	-	-	-	-	-	-	-	1,500,000
48	Capnometry		Manufacturer: Marico - US	1 to 16 weeks	1	5,000,000	-	-	-	-	-	-	-	-	-	-	-	-	5,000,000
49	Cervical collar (small - large)		Manufacturer: Arsur - Turkey	1 to 16 weeks	6	10,000	-	-	-	-	-	-	-	-	-	-	-	-	60,000
50	Cheek foreeps and jar		Manufacturer: Honora - Pakistan	1 to 16 weeks	4	32,000	-	-	-	-	-	-	-	-	-	-	-	-	128,000
51	Chest tubes (10 - 30F)		Manufacturer: Polymol - India	1 to 16 weeks	21	42,000	-	-	-	-	-	-	-	-	-	-	-	-	882,000
52	Oral surveys (600 - 6)		Manufacturer: Polymol - India	1 to 16 weeks	20	20,000	-	-	-	-	-	-	-	-	-	-	-	-	400,000
53	Scroscope		Manufacturer: Seeler	1 to 16 weeks	2	1,400,000	-	-	-	-	-	-	-	-	-	-	-	-	2,800,000
54	Dioscope tips		Manufacturer: US Optaling	1 to 16 weeks	10	140,000	-	-	-	-	-	-	-	-	-	-	-	-	1,400,000
55	Clean linenrolley		Manufacturer: Heber - China	1 to 16 weeks	3	550,000	-	-	-	-	-	-	-	-	-	-	-	-	1,650,000
56	Dury linenrolley		Manufacturer: Heber - China	1 to 16 weeks	3	350,000	-	-	-	-	-	-	-	-	-	-	-	-	1,050,000
57	Seritization drum		EA		5	65,000	-	-	-	-	-	-	-	-	-	-	-	-	325,000
58	Mobile Digital X-ray Module 700		Manufacturer: Mingy - China		1	230,000,000	-	-	-	-	-	-	-	-	-	-	-	-	230,000,000
	5 year comprehensive service		EA		1	15,000,000	-	-	-	-	-	-	-	-	-	-	-	-	15,000,000
SUBTOTAL FOR MOSCOW RBH																			
691,557,000																			
SUBTOTAL FOR LIGULA RBH																			
1	Resuscitation bed with 2 cranes Model B114 With 10cm matress 143 x 190 rod		Manufacturer: Medica - IS	1 to 16 weeks	1	12,600,000	-	-	-	-	-	-	-	-	-	-	-	-	12,600,000
2	Arterial blood gas (ABG) machine 5 yrs comprehensive maintenance for ABG		Manufacturer: Medica - IS	1 to 16 weeks	1	9,000,000	-	-	-	-	-	-	-	-	-	-	-	-	9,000,000
4	Anaesthesia Machine (with isoflurane) Comprehensive Maintenance for Anaesthesia		Manufacturer: Chini	1 to 16 weeks	1	55,000,000	-	-	-	-	-	-	-	-	-	-	-	-	55,000,000
9,000,000																			

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199 stretchers Model: YDC-3B	Manufacturer Hebei - China	1 to 16 weeks	6	2,500,000					15,000,000
Vein finder Model: Yain Navi			1	6,500,000					6,500,000
3 Stethoscope - MDP 7x7Xp	Manufacturer MDP - China	1 to 16 weeks	2	55,000					110,000
TOTAL AMOUNT									691,500,000
SBT1 + SBT2 + SBT3									2,183,082,000

Name Amrta Hasisia in the capacity of _____
 Signature of Tenderer [Signature]
 Daily authorized to sign the Tender for and on behalf of _____
 Dated on 4th day of Dec 2021

ANUDHA LTD
 P. O. Box 5982
 DAR-ES-SALAAM
 TEL: 2122745, 2122747
 FAX: 2126490

Note: In case of discrepancy between unit price and total, the unit price shall prevail

[Handwritten mark]


TECHNICAL SPECIFICATIONS





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**TECHNICAL SPECIFICATIONS
SUPPLY OF EMD EQUIPMENTS AND CONSUMABLES FOR MTWARA ZONAL, LIGULA
AND MOROGORO RHH**

ITEM	DESCRIPTION	Yes/ No	If Yes, Provide Details or If No, Mention Why or Alternative if any
EMD MODEL: DA-2B with 10cm mattress H-13 + I.V rod 	Fully Motorized ICU Bed) 5 Section PP Tops, 125mm Twin Wheel Castors. Central Locking Mech., Rubber Buffers at 4 corners Handset, ACP Box, Battery Back Up, SMPS Bed Extension, Linen Holder, Night Lamp, Angle Indicator. Polymer Moulded Head and Foot Panels (Removable) Polymer Moulded Split Safety Rails (2 sets) Urine Bag Holder (Single) S.S Heavy Duty I.V. Pole (2 hooks) Premium mattress, single section, 4", with wave shape on both sides, High quality, high density. Flame retardant foam and cover fabric having flame retardant, antibacterial, antiskid properties Mattress for Bed Extension	YES YES YES YES NO YES YES YES YES YES YES YES YES YES YES YES YES YES	5 section, with epoxy coated steel & X-ray board tops Central control box under the bed only 1pcs battery bed end can extension 20cm inside the side rail & head/foot board H-13 10cm mattress, but with wave shape on one side
Ventilator Model: SV 300Pro	Should have facility for Invasive and Non- Invasive ventilation Five years comprehensive Maintenance inclusive Microprocessor Control suitable for Neonatal, Pediatric and Adult ventilation Electromagnetic Compatible Hinged arm holder for holding the circuit Should have built-in touch colour screen		COMPLIED

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TFT display of minimum 10 inches or more for display of waveforms and Monitored value. Should have in-built facility to upgrade with EtcO2

Facility to Measure and Display: Status Indicator for ventilator mode Battery Indication Alarm Setting Automatic compliance and leakage compensation for circuit and ET Tube Should have facility of log book, for events and alarms with date and time

Should have the following settings: Tidal volume (Minimum at least 50ml, Maximum up to 2000ml) Inspiratory Pressure (up to 80cm of water) Respiratory rate 1 to 80 bpm Apnea back up rate CPAP/PEEP Pressure support FiO2 Pause Time Pressure and Flow Trigger Inspiratory Flow up to 120bpm

Monitoring and Display of the following Parameters: Airway Pressure (Peak and Mean) Tidal Volume (Inspired and Expired) Minute Volume (Inspired and Expired) Respiratory mechanics, Spontaneous Minute Volume Total Frequency, FIO2 dynamic, Intrinsic PEEP, Plateau Pressure, Resistance and Compliance Use selector Alarm for all measured and monitored parameters, Occlusion Pressure and Pressure Flow and Volume curves.

Modes of Ventilation equipped with newer modes of ventilation: Assist Control, Volume Control, Pressure Control SIMV with pressure support (Pressure and Volume control) PEEP Inverse ratio Ventilation Non invasive ventilation - BIPAP, CPAP. Apnea Ventilator, user selectable, volume and pressure control

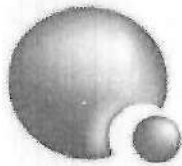
Should have built-in safety alarms for Airway Pressure High and Low, Minute volume, High and Low, Power Failure, Low oxygen, High Respiratory Rate, Air Source in-operable. Should have in-built exhalation filter

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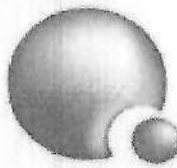
	<p>Humidifier: Servo controlled heated Respiratory Humidifier Temperature of delivered Gas on LED display Temperature should be adjustable Jar should be autoclavable Nebulization assembly compatible with ventilator and circuit Should have interface facility Flow sensor should have life more than 1 year Expiratory Unit- life should be more than 3 years Data storage facility for at least 24 hours Internal rechargeable battery at least 30 minutes backup Supplied complete with compatible UPS and all standard accessories Power Supply: 220 - 240V, 50Hz</p>		
<p>PATIENT MONITOR MODEL EPM 15 with CO2</p>	<p>Modular & Suitable for Adult/Pediatric/ Patients monitoring Minimum 15 inches multicolour TET display screen Eight Channel digital and waveforms/traces display Capability of storage of patient data and printing of patient report Facility to monitor and display:-ECG, Respiration, NIBP, SpO2, EtCO2 and Temperature. ECG 3 or 5 lead with cascade waveform facility Monitoring, Diagnostic & OT modes of monitoring ECG lead Simultaneous Multi - lead ECG monitoring of 7 ECG lead. HR range 20-350 bpm. HR/PR Source selection facility from Automatic, SpO2 IBP and NIBP</p>	<p>YES YES YES YES YES YES YES YES</p>	<p>with 15 inches capacitive touch screen with CO2 monitoring with 12 leads ECG Better, we have 3/5/12 leads monitoring</p>



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	<p>PULSE OXYMETRY: Display of Plethsmograph with Pulse strength indicator & SpO2 values and perfusion index. SpO2 range 1 - 100% and PR Range 20 - 230 BPM</p>	<p>YES</p>	
<p>ECG MODEL R12</p>	<p>Electrocardiogram (ECG) digital monitor and recorder, 12-leads detection, multi-channel recording, portable, AC and battery powered, with printer and accessories.</p> <p>Five years comprehensive Maintenance inclusive.</p> <p>ECG diagnostic monitor and recorder with printer ECG analysis and full interpretation (rhythm and events), real-time and manual.6-channels recording.</p> <p>ECG Features: 12 standard derivations aVR, aVL, aVF, I, II, III, and V1 - V6</p> <p>Simultaneous 12-leads acquisition adjustable ECG acquisition and visualization modes ECG gain 2.5, 5, 10, 20 mm/Mv and Auto, accuracy +5%</p> <p>Adjustable ECG sweep (trace speed in mm/s) HR range 30 - 300 bpm with rhythm analysis Common Mode Rejection Ratio (CMRR) >89 dB.</p> <p>Frequency response (minimum guaranteed) 0.05 - 159 Hz, accuracy of input signal reproduction +/-5%, calibration signal 1 mV +/- 5% Input Impedance > 2.5 MOhm or > 50MOhm.</p> <p>Internal noise level <15 mV (p-p).</p> <p>Leakage current to patient <10 micro A With integrated keyboard, built-in printer with thermal printing head.</p> <p>Built-in rechargeable battery, autonomy >2.5 hours or 800 examinations.</p> <p>Automatic switch to battery in case of power failure and automatic recharge on connection to mains.</p>	<p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p>	<p>5 years warranty from the date of B/L -bill of lading</p> <p>Yes, only auto measurement provide measurement results and diagnoses (manual and rhythm no analysis),6 channels recording</p> <p>2.5, 5, 10, 20, L=10 C=5, L=20 C=10 mm/mV, Auto</p> <p>30 to 300 BPM CMRR > 110 dB</p> <p>Frequency 0.05 to 150 Hz Input Impedance > 50MOhm.</p> <p>More than 3.5 hours of continuous operation</p>

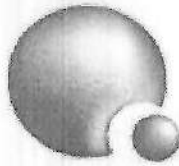
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	<p>ITEMS SUPPLIED WITH: 1 x patient cable 6 x reusable chest electrodes, suction ball type. 4 x reusable clamp electrodes 1 x supply of 960 thermal Z-folded sheets 300ml of ECG conductive gel 1 x spare rechargeable battery pack Power Input: 240 VAC, 50Hz</p>	<p>YES YES YES</p>	<p>Thermal Z-fold A4 paper (210 mm x 295 mm)</p>
<p>Portable ultrasound Model: Z-60</p>	<p>Complete with vascular, cardiac and curvilinear probes and Jelly for use in Ambulance and in the Emergency Room .</p> <p>Five years comprehensive Maintenance inclusive.</p> <p>Capable of generating imaging procedures involving lungs, heart, abdomen, pelvis, blood vessels, musculoskeletal and soft tissue. Five years comprehensive Maintenance inclusive. CONSOLE: Laptop style console design, optional touch screen combined with conventional user control panel. Mounted on trolley of Four casters two with brakes. Battery Duration: minimum 2 hours under normal use conditions Supplied complete with clear protective control panel cover for infection control. Imaging Focusing: Adjustable focal depth, synchronization of focal zone to the selected scanning depth.</p> <p>Zooming Capability with automated image optimization. Image Orientation:</p> <p>Capable of lateral and vertical Inversion (in B-mode) Image Modes: 2D Imaging, M-Mode, B/M mode, Dual 2D/Colour Imaging mode with Cine loop.</p>	<p>YES YES YES NO YES YES YES YES</p>	<p>machine come with vascular, cardiac and curvilinear probes and Jelly for use in Ambulance and in the Emergency Room.</p> <p>5 years warranty</p> <p>Capable of generating imaging procedures involving lungs, heart, abdomen, pelvis, blood vessels, musculoskeletal and soft tissue.</p> <p>Laptop design, No touch screen</p> <p>endurance >120 min</p> <p>Adjustable focal depth, synchronization of focal zone to the selected scanning depth.</p> <p>lateral and vertical Inversion (in B-mode) Image Modes: 2D Imaging, M-Mode, B/M mode, Dual</p>

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	<p>Doppler, Colour Doppler Imaging (CDI), Power Doppler Imaging (PDI), Duplex, Continuous wave Doppler, Triple mode (optional)</p> <p>Software Application that include at least: Obstetrics/Gynecology measurements and calculations, including gestational sac mean, mean sac diameter, femur length, crown-rump length, biparietal diameter and abdominal circumference, enabling estimation of gestational age.</p> <p>Vascular/basic cardiac quantification Measurements capability (distance, area and circumference by ellipse and trace method) Equipment with write-zoom function available Screen annotations capture patient data, date and time, scanning</p> <p>protocols, probes. Monitor and Display: High Definition (HD) digital black and white and colour liquid crystal display (LCD) monitor of at least 25 cm diagonal (across), with reflection filter.</p> <p>Broadband Curvilinear transducer of at least 5-2 MHz and 12-5 MHz transducer Power Supply: 220 - 240V, 50 Hz</p>	<p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p>	<p>2D/Colour Imaging mode with Cine loop.</p> <p>Doppler, Colour Doppler Imaging (CDI), Power Doppler Imaging (PDI), Duplex, Continuous wave Doppler, Triple mode (standard)</p> <p>Software Application that include at least: Obstetrics/Gynecology measurements and calculations, including gestational sac mean, mean sac diameter, femur length, crown-rump length, biparietal diameter and abdominal circumference, enabling estimation of gestational age.</p> <p>Vascular/basic cardiac quantification Measurements capability (distance, area and circumference by ellipse and trace method) Equipment with write-zoom function available Screen annotations capture patient data, date and time, scanning</p> <p>15" LCD screen, 38cm diagonal(across)</p> <p>1.8~6 MHz convex probe 3.4~12.9MHz linear probe</p> <p>200~240V, 50/60MHz</p>
<p>Blood gas analyzer Model: ST-200CC</p>	<p>Portable Sample volume 110µl Result in one min after sample aspiration Power supply -220v with rechargeable battery at least 42mAh</p>	<p>YES</p> <p>YES</p> <p>YES</p>	<p>140µl YES 220V without rechargeable battery</p>

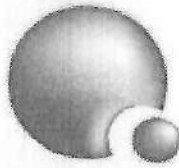
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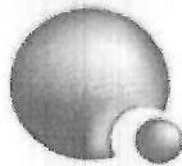
	At least 10 parameter pH, pO ₂ , pCO ₂ , Na, K, Ca, Cl, Glu, Lac and Hct		YES
Suction machine Model: Askir C30	<p>The machine shall be portable on four wheels and with a handle for transportation. The suction pump must be totally oil-free diaphragm type. Must have maintenance free pumps of international design for continuous use Motor shall be of Class "F" insulation to operate in ambient temperature to withstand up to 50oC, with thermal cut-outs Able to produce minimum vacuum of 700mm Hg and which must be adjustable and monitored by vacuum gauge of suitable range.</p> <p>The suction capacity must be 25 liters per minute and can be regulated It must have two bottles of 2l each. Each made of unbreakable polycarbonate with ABS Lid with float (overflow control device) The jars must be graduated in cc levels.</p> <p>The suction bottles shall be autoclavable On/Off Switch and power indicator must be available. Shall provide foot switch.</p> <p>Base, top and panel made of rust proof and corrosion resistant moulded ABS.</p> <p>Accessories: Spare bottles: 02nos, Lid: 02nos, Rubber Seals: 02nos, Blades: 02nos, Suction Tubing set at least 5metres: 02nos,</p> <p>Spare fuse: 01 set and Bacterial filter: 05 nos. Supplied complete with all standard accessories Power Supply: 220 - 240 V, 50Hz</p>	<p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p>	40Ltrs
Laryngoscope set	For Adults and Children (Marc and Miller Type) Large hollow, cylindrical, slightly ribbed handle. Handle made of either Chromium plated or Stainless Steel		COMPLIED

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	<p>Can be opened to insert two batteries (type LR 14, size C, 1.5V) Stud contact, fitting various sizes and types of depressors With a set of four stainless steel depressors, with halogen bulb</p> <p>Marc. Type Curved Nr 2, length approx. 110mm Curved Nr 3, length approx. 135 mm Curved Nr 4, length approx. 155 mm Miller Type Straight Nr 1, length approx. 100 mm</p> <p>Supplied with: - 1 x Durable protective plastic box or padded vinyl case - 4 x Spare halogen bulb (one for each depressor) - 2 x Dry cell, alkaline, "C" 1.5V</p>		
NEBULIZER	<p>Electrical powered with accessories Portable, compressor driven nebulizer pump Easy to operate and sturdy design for use in demanding environment Cup capacity minimum 3ml to max 10ml Nebulization approximate 0.3 to 0.8 ml/min Residual Volume maximum 2ml Flow delivery range (under load) 0.5 to max 10 L/min Operating temperature +5 to +50° C Humidity up to 65% Power Supply 220 - 240V, 50Hz, 50W Supplied with: 1 atomizer body piece 1 pediatric reusable mouth piece 1 adult reusable mouth piece 2 air tubing 9mm diameter and 1 m length Dosage cup Reusable pediatric and adult masks</p>		COMPLIED
BLOOD AND FLUID WARMER	<p>Fluid Temperature Range: 33 - 37°C Heat Transfer Method: Dry heat Time to heat from 23°C to usable range (33 - 37°C) : 30 - 40 minutes</p> <p>High Temperature protection set point: 37°C Temperature: Operation Mode: +5°C to +40°C Humidity: Operation Mode: -30% to 75% non-condensing Supply Voltage: Warmer, 15 VDC Power Supply: 220 - 240V, 50Hz</p>		COMPLIED



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INFUSION PUMP/ VOLUMETRIC PUMP MODEL: VP3	One Channel at least Capable of accepting any kind o fluids (solutions and medications) Pump	YES	Better Flow Rate 0.1-2000ml/hr
	Capabilities: Flow Range: 01 to > 999 ml/hr		
	Increments: 01 - 100 ml/hr		
	Keep Vein Open (KVO) Rate: 1 - 5 ml/hr	YES	Better.KVO 0.1-5ml/hr
	Volume to be Infused Selector (VTBI): 1 - 9999 ml	YES	
	Flow Rate Accuracy of +/- 5%	YES	
	When multiple channel automatic piggybacking	YES	IP23
	Ingress protection not less than IPX2	YES	
	Front Panel lockout Self-check carried out on powering on	YES	
	Events Stored System: Log book Pause Infusion	YES	
Facility required Anti-bolus System to reduce pressure on sudden release of occlusion	YES		
IV Set Free-Flow Protection and Air Trapping	YES		
Capability Needleless IV connection	YES		
"Dose Error" reduction system preferable Drug library software available, including updates (free during warranty)	YES		
Air Bubble Detector with single and cumulative functions preferable Clearly visible optical alarms	YES		
Acoustic Alarm not less than 45Db	YES		
Real Time Display Availability of a Nurse call system connectable to a staff alerting system, 24V/02A static or dynamic preferable	YES		
Continuous operation within specification in ambient temperature of at least 5 - 40oC,	YES		
Relative humidity of at least 10 - 90% noncondensing	YES		
Monitored and Displayed Parameters (colour and graphic preferable)	YES		
Flow Pressure Dose Availability of software to monitor the delivery of drugs preferable	YES		

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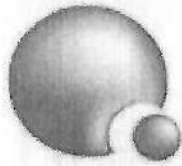
	<p>Maximum Force: 300N reducible by a switch to 80N</p> <p>Motor: Microprocessor controlled brushless long life BLDC motor with Neodymium magnets</p> <p>Transmission: Efficient force transmission by a ball screw with highest mechanical load capacity of 12,000N</p> <p>Pusher Travel: 120mm</p> <p>Pusher Travel Rate: Minimum: 008 mm/min</p> <p>Maximum: 80 mm/min</p> <p>Speed Control Range: 0 to 999</p> <p>Non-volatile Memory: Storage of all settings</p> <p>Power Supply: 220 - 240V, 50Hz</p> <p>Interface: RS-485 or RS-232 automatic valve control</p> <p>Remote Control: 0 - 10V</p> <p>Operation Temperature: 0 - 40°C</p> <p>Operation Humidity: 0 - 90% RH not condensing</p>	<p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p>	
Portable Pulse oximeter	<p>Patient Range: Adult, Pediatrics and Neonatal patients High Resolution, 2.4" colour display</p> <p>Visual and sound alarms Uses AA size alkaline or rechargeable batteries Digital SpO2 Range: 0 - 100% Resolution: 1%, Accuracy: 70% to 100% +/-2% Refreshing Rate: < 13 seconds</p> <p>Pitch Tone: Yes</p> <p>Pulse Rate Range: 25 - 250 bpm Resolution: 1 bpm, Accuracy: +/-2% or +/-1 bpm Refreshing Rate: < 13 seconds</p> <p>Display: Type: 2.4" colour display 320 x 240 pixels Parameter Digital SpO2, Pulse Rate, Pleth bar and SpO2 waveform</p> <p>Alarm Audible alarm, audible button tone</p> <p>Supports Pitch Tone and multi-level volume</p>	<p>YES</p> <p>YES</p> <p>YES</p>	<p>4.3" TOUCH LCD</p> <p>Display range 0% ~ 100% SpO2 display resolution 1%</p> <p>SpO2 Accuracy Adult/Pediatric : 70 ~ 100% ±2% Neonate : 70 ~ 100% ±3% 0 ~ 69% : unspecified</p> <p>Measuring range 25 ~ 250bpm Resolution ±1bpm Accuracy ±2% or ±2bpm, whichever is greater</p> <p>Type Color TFT touch screen LCD Size 4.3"</p> <p>SPO2 alarms and various system</p>

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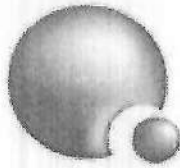
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CENTRAL MONITORING STATION 16 CHANNEL	<p>General Description Modular and Suitable for Adult/Paediatric/ Patient monitoring</p> <p>Minimum 15" multi colour TET display screen</p> <p>Eight Channel digital and waveforms/traces display</p> <p>Capability of storage of patient data and printing of patient reports.</p> <p>Five years comprehensive Maintenance inclusive.</p> <p>Parameters: Eight digital and waveforms/traces display</p> <p>Facilities to monitor and display ECG, Respiration, NIBP, Et CO2, SpO2 and Temperature</p> <p>ECG Multichannel (uo to 12 lead)</p> <p>ST segment analysis 3 or 5 lead with cascade waveform facility</p> <p>Monitoring, Diagnostic and OT modes of monitoring of ECG Simultaneous Multi-lead</p> <p>ECG monitoring of 7 ECG lead</p> <p>Heart Rate (HR) Range: 2 - 350 bpm</p> <p>HR/PR Source selection facility from Automatic, SpO2 IBP and NIBP</p> <p>Automatic arrhythmia detection alarm for standard and lethal arrhythmia</p> <p>Pulse Oximetry Nellcor or Masimo technology</p> <p>Display of Plethysmograph with Pulse Strength</p>		



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<p>indicator and SpO2 values and perfusion index SpO2 Range: 1 - 100% PR Range: 20 to 230bpm ETCO2 Should be Main stream capnography with display of CO2 and digital Values of EtCO2, FiCO2 and RR EtCO2 Range: 0 - 99 mmHg FiCO2 Range 0 - 20 mmHg Flow Rate: 50ml/min NIBP Measurement and display of systolic, diastolic and mean pressure values of NIBP measurement for Adult, Child and Neonate Use selectable alarm settings: Mode: Manual, STAT (continuous 5 minute operation) and automatic (selectable time interval 2 - 90 minutes) Range: 20 - 250 mmHg Temperature Two channel and with two units (oC and o F) selectable Temperature Range: 0 - 50oC Option for differential temperature Should be provided Respiration: RR range 1 - 150 bpm Apnea alarms should be provided rends and Alarms 72 hours Non volatile graphical/ tabular trends with zoom facility and separate dedicated trend for storing minimum 200 NIBP readings Should have Alarm recall facility for last 24 Alarm events with date, time and message Should have facility to print Graphical trend, tabular trend and alarm recall</p>		
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<p>Recorder In-built dual channel thermal array recorder Include Laser Printer and dual channel strip chart recorder Others Defibrillator and Cautery protection should be provided Should work on Mains as well as Battery (backup for 2 hours) Automatic zoom in facility in the monitor display Should have facility to download trend data on USB and SD Card Supplied complete with all standard accessories and consumables that will enable the machine to operate Power Supply: 220 - 240V, 50 Hz CENTRAL STATION Central Station should have facility to display up to 20 real time waves at a time and upgradable</p>		
	YES	better, if display resolution 1920×1080, support display 36 Patient Sectors with max.3 waves per patient
<p>Central Station should have separate patient window for viewing detailed real-time or stored data for individual patient It should have 24 hr stored patient data monitoring trends and 24 hr event review facility</p>	YES	
<p>The Central Nurse Station should also have the following: - Multi-lead arrhythmia and ST review facility - 50 alarms strips storage per bed Offer wave review with 24 hr full disclosure - Optional facility for dual display for detailed analysis of individual bed without compromising on full ICU monitoring</p>	YES	better, Full disclosure: Most recent 240 hours of full-disclosure waveforms and compressed waveforms Alarms: Most recent 3000 events, including the parameter name and 16-second waveform before and after an alarm is triggered
<p>Facility for interfacing Holter data for analysis, in case of the Holter from the same brand is</p>	YES	We offer ECG 24h Summary report which is reference to doctor; we don't have holter,

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	<p>available. Export the ICU Patient data to Holter for analysis</p> <p>Remote display (Slave) facility should be available</p> <p>Real time recording thru Dual Channel Recorder Facility for interfacing a laser printer for printing patient information and trend formats</p> <p>Advanced arrhythmia analysis package of at least 20 arrhythmia analysis</p> <p>12 lead ECG Monitoring and view possible at Central Nurse Station</p> <p>Continuous full disclosure of up to 4 configurable waves per patient</p> <p>Operate on Microsoft Windows NT workstation operating system</p> <p>Supplied with 19" Flat Screen TFT display, Laser Printer and Recorder, UPS</p> <p>The entire networking and cabling with hardware Wall mounts</p> <p>Power Supply: 220 - 240 V, 50Hz</p>	<p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p>	<p>see the document accompanying the CMS</p> <p>Display: 1 page maximum: 3, turn the page to view all waves the monitor have</p> <p>Yes. Support Windows® 7 Professional SPI</p> <ul style="list-style-type: none"> ■ Support Windows® 10 ■ Support Windows® Server 2008 ■ Support Windows® Server 2012 R2 ■ Support Windows® Server 2016 <p>better, our screen is 24 inches</p>
<p>CENTRAL VEIN CATHETER (CVC)</p>	<p>Size 3,4,5,6,7,8,9,10</p>		<p>Central Venous Catheter Triple Lumen 5FR 200mm</p> <p>Central Venous Access Catheter - Triple Lumen 7FR</p> <p>Central Venous Access Catheter - Triple Lumen 4.5FR 80mm</p>

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Oropharyngeal Air way (OPA)	Sizes 0,1, 2, 3, 4, 5 for Adult and Pediatrics		
Nasalpharyngeal Air Way (NAP)	Sizes 3, 4, 5, 6 for Adults and Pediatrics		
Endotrachea	Sizes 3, 3.5, 4, 5, 6, 6.5, 7, 7.5, 8		
DEFIBRILLATOR	<p>Should be a Low Energy Biphasic defibrillator monitor with Recorder, having capability to deliver shocks from 2 Joules to 200Joules. Five years comprehensive Maintenance inclusive.</p> <p>Should monitor ECG through paddles, pads and monitoring electrodes and defibrillate through pads and paddles</p> <p>Should compensate for body impedance for a range of 25 to 150 ohms.</p> <p>Should have charging time of less than 5 seconds for maximum energy.</p> <p>Should have High resolution more than 8 inch colour display for viewing monitoring parameters like ECG, SpO2, NIBP and EtCO2 with 4 waveform capability of 4 seconds</p> <p>Both Adult and Pediatric paddles should be available Should have event summary facility for recording and printing at least 55 events</p> <p>Should have a battery capable of usage for at least 5 hours of monitoring</p> <p>Should be capable of printing Reports on event summary, configuration, self test, battery capacity etc Should have facility for self test/check before usage and set up function.</p> <p>Should have facility to monitor parameters like SpO2, NIBP and etCO2 along with non-invasive pacing (Demand and Fixed mode) facility</p> <p>Should be able to upgrade the defibrillator for 12 lead ECG monitoring and ECG transmission System</p> <p>Configuration Accessories, spares and consumables:</p>		COMPLIED

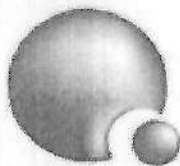
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	<p>Defibrillator with AED and external Pacemaker - 1pc Adult with built in Pediatric External Paddles - 1pc Patient Cables - 1pc ECG Rolls 50 Adult SpO2 reusable Sensor - 1pc Adult NIBP Cuff and Hose - 1pc EtCO2 Tubing (box of 20) -1box AED Multifunction Pads for Adults - 10 pairs with Each unit. The unit shall be capable of operating continuously in ambient temperature of 5 to 45oC and relative humidity of up to 95% Shall meet General Requirements of safety for Electromagnetic Compatibility. Power Input: 240 VAC, 50Hz</p>	
Endotrachea Tube Introducers (Stylet and Bougie)	<p>A disposable, latex free, sterile and individually wrapped device. Markings: at 20 cm, 30 cm, and 40 cm intervals. It consists of a 50 to 60 cm stylet with the distal tip bent at a 30 degree angle Endotracheal Tube Introducer bougie: - size 15 FR, OD 0.5mm, 700 mm - size 10 FR, OD 3.3mm, 700 mm</p>	
	<p>- size 6 FR, OD 2.0 mm, 530 mm</p>	
Magills Forceps	<p>Made from stainless steel and can be disinfected and sterilized Twin-bladed tong-like forceps Handles for gripping by the user Rounded ends for grasping Oblique angle between handles and blades to prevent obstruction of the view of the airway during use. Sizes for Adult and Child use</p>	

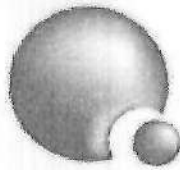
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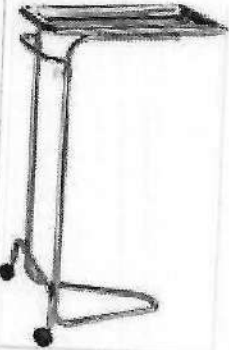
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Nasal Cannula (prongs)	Nasal cannula (nasal prongs), device designed for easy administration of oxygen into the patient nose through two small prongs placed in the nostrils. It consists of soft twin prongs nasal tips to ensure equal oxygen flow to both. Adjustable, smoothly finished nasal tips for maximum patient comfort Star lumen main tube to avoid accidental blockage. Made from soft and kink resistant polyvinyl chloride (PVC) material For Adult and Child use		
Wall mounted otoscope	Illumination: Pressurized halogen lamp Image Resolution: 1280 x 1024 pixels Connection/Interface: USB 2.0 with 3m cable System Requirements: Windows XP Service Pack Electrical Rating: Lamp 3.5V DC, 810mA USB: 5V DC, 150mA Focal length: 114mm and Magnification: 2.2X Constructed from ABS and Acrylic Plastic or Stainless Steel Automatic Image Brightness and white balancing for optimal image		
wall mounted Ophthalmoscope	Range of lenses not smaller than -20D to +29D with steps not greater than 1D. Anti-reflection lens Magnification: 12 - 15X Apertures: Small, Large and Semi Circle, Fixation Star Colour Temperature: Cool White in the range 3100 - 5500K Light Intensity: 8,000 - 12,000 lux. Dust free sealed optics and aspherical optical system Red-free, Blue, Green and polarization filters Handle with On/Off switch. Scratchproof lens: Glass or Plastic Batteries: AA or rechargeable. Battery life at least 5 hours of use on full charge or fresh batteries Accessories: Battery Charger (as applicable to rechargeable type only) Sufficient light bulbs for 3 years use. Rechargeable Battery 1.5V.		

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<p>INSTRUMENT TROLLEY</p> 	<p>Stainless steel shelves and railings Available in full stainless steel/powder coated frame. Stainless steel bottom and top shelves with railing on top shelf Frame Mounted on 100 mm diameter wheels Overall Size: L 710 mm x W460 mm x H830 mm</p>	<p>YES YES YES</p>	<p>Stainless steel surface, without powder coated size: L730*W470*H970mm</p>
<p>ADJUSTABLE MAYO TABLE</p> 	<p>Made of stainless steel with removable top tray Height adjustable by foot 75 mm swivel castors Dimensions: Width 60 cm, Depth 40 cm and Height 120 - 130 cm Made of stainless steel with removable top tray</p>	<p>YES YES</p>	<p> Size: L600*W400*H850-1000mm</p>
<p>Neonatal ventilator Model: SV 300Pro</p>	<p>I:E ratio 1:0 to 1:10 Inspired Time 0.1 to 2 sec Expired Time 0.2 to 30 sec Frequency Up to 200 BPM Base Flow (VIVE) 1 to 30 LPM Synchronization Patient synchronization Integrated blender for Oxygen 21 % to 100% Integrated nebulization facility Integrated screen for display of Pressure-Time, Flow-Time and Volume-Time curves Integrated monitoring of FiO2 Monitoring of flow: At the Y piece with facility to activate it Audiovisual alarms with advisory on-screen message: MV high/low, Apnea, tube obstruction, FiO2, high/low high PIP, low PEEP/CPAP, fail to cycle, gas supply low, power failure, ventilator</p>		<p>COMPLIED</p>

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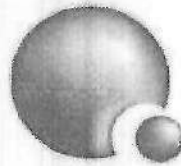
	<p>inoperative, alarm log book. The ventilator should have automatic compensation for leakage and should monitor and display leakages The ventilator should show trends of important parameters viz. C,R, FiO₂, MAP, etc for evaluation of patient improvement Power Supply: 220 - 240V, 50Hz. SCOPE OF SUPPLY Ventilator on trolley with wheels and brake facility Integrated medical air compressor Humidifier with autoclavable chamber and complete with patient circuit Circuit support arm Nebulization accessories (2 sets)</p>		
	<p>Bacterial filters 50 sets Flow sensors 20 sets Oxygen cell and Oxygen connecting hose Air connecting hose Battery back-up (at least 30 minutes)</p>		
<p>Glucometer Glucoplus</p>	<p>· Hand held type Glucometer · Battery operated · Memory up to 10 measurements · Sticks method measurements · Code of sticks interring is available · Indication of high and low measurements One box of sticks and punctures is included Operating instructions is included</p>		<p>COMPLIED</p>
<p>Hemoglobinometer Hemocontrol</p>	<p>· Parameter: Hemoglobin, HCT(Hematocrit)· Principle: Optical reflectance · Sample: Capillary or venous whole blood (13~15ul) · Strip: H12 Hemoglobin Test Strip · Speed: ≤ 10 seconds · Measuring Range: 4.0g/dL~25.6g/dL(g/L optional) · Memory: 1200 test results · Automatization: Self-checking, auto-judging and displaying malfunction · Power: DC 6V(Two CR2032 Batteries) · Precision: CV<5%,testing samples including high, medium & low concentration, the CV of 10</p>		<p>COMPLIED</p>



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blood bank refrigerator	<input type="checkbox"/> <input type="checkbox"/> Gross / Net volume (l): 895 / 763, Storage capacity (blood bags gross volume): 540 (450ml) / 750 (350ml) <input type="checkbox"/> Set temperature (preset): +4°C <input type="checkbox"/> Temperature cold / warm alarm limit: +2°C / +6°C <input type="checkbox"/> Hold over time (+5°C to +10°C): 2 h 42 <input type="checkbox"/> Climate class (ambient temperature range): SN / T (+10°C to +43°C) <input type="checkbox"/> Defrosting technique: Natural <input type="checkbox"/> Refrigerant type: R600a <input type="checkbox"/> External dimensions H x W x D (mm): 1988 x 1139 x 1039 <input type="checkbox"/> Inner dimensions H x W x D (mm) <input type="checkbox"/> 1167 x 887 x 713 <input type="checkbox"/> Supply voltage (V): 220-240 <input type="checkbox"/> Frequency (Hz): 50 / 60 <input type="checkbox"/> Power (W): 300 <input type="checkbox"/> Energy consumption (kWh/24h): 1.60 / 1.70 <input type="checkbox"/> Heat emission (Kcal/h): 41 <input type="checkbox"/> Compressor running time (%): 41 <input type="checkbox"/> Noise level (dB(A)) (at 1m height & 1m distance): 47	
Anaesthetic Machine	<p>A robust Universal Anaesthesia Machine (UAM) general anesthesia workstation that delivers anesthesia effectively with integrated oxygen concentrator to generate its own oxygen and provides standard connectors for cylinder, pipeline, and portable oxygen. Complete anaesthesia machine with integral pneumatic ventilator and patient monitor. Vaporiser: Low resistance, Suitable for draw over and continuous flow, Single vaporiser, dual agent use for isoflurane/halothane, Capacity 150ml.</p> <p>Integral pneumatic Ventilator: Back up for assisted ventilation minimum 6 hours (more hours is preferred)</p> <p>Manual ventilation, Integral oxygen concentrator provides oxygen and medical air 8 – 10lpm at >95% . Alternative oxygen supply options: cylinder, pipeline oxygen. UPS for battery backup and voltage</p>	<p>*Comply with Glostevace Helix Anesthesia-Diamedica from U.K</p> <ul style="list-style-type: none"> -UAM(comply) <ul style="list-style-type: none"> .oxg concentrator . cylinder .pipeline -Vaporiser capacity(comply) -maximum liters capacity 10Lpm -Back up for ventilator 6hrs(more than 12hrs) -full fuction with UPS 20min(comply) -scavenger built inside(compy) -PEP(option)

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	<p>stabilisation. Full functionality with UPS for minimum of 20 minutes. Built in scavenger for exhaled gas Suitable for adults, paediatrics and neonates Peep 0-20cm H2O Patient monitoring:- 12.1" COLOUR TFT-LCD 60 minutes battery life ECG 5 leads, 3 as standard Sweep speed 12.5mm/s, 25mm/s, 50mm/s Heart rate range 10 -300 bpm Heart rate accuracy $\pm 1 \%$ RESP 0 – 150rpm Temperature measurement range 25 - 50°C SPO2 Measurement range 0 – 100% Pulse measurement range 25 250bpm NIBP: adult/paediatric/neonate</p>	<p><u>uMEC 12 (Mindray)</u></p> <p>COMPLY COMPLY COMPLY COMPLY Sweep speed from 6.25-50mm/s comply comply Adult -120,ped/neonatal-150 comply comply Comply(up to 300bpm) comply</p>
<p>Operatting Table</p>	<p>Equipped with imported electric actuators for smooth & effortless working of the table. Must have hydraulic operation options also. It ensures the actuators working in a constant speed without any noise Designed to run even at low voltage to carry on the surgery. Top Dimension : L 1930 XW 553 m Height Adjustment :762mm -1012 mm Trandelenburg / Reverse :30°/25° Lateral Tilt: 20°/20° Kidney Elevator:150mm Back Rest (up / Down) :80°/25° Leg Rest (up / Down) :15°/90° Head Rest (up / Down) °:20°/60 Power Supply: 24v Dc Battery Backup : 2-3 Hours Key Structure The table has been made from acid proof, stainless steel (the face of the table is easy to clean and immune to disinfection agents) Strong</p>	<p>COMPLIED</p>



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	<p>& rust free base of stainless steel is provided to make the working conditions pleasant for the doctors & nurses.</p> <p>Orthopedic attachment (hips and legs support) including the patient's pelvis support and legs support enables the limbs strain performing.</p> <p>Design of the Orthopedic attachment & eccentric column provides monitoring of the limbs with the C-ARM during the operation.</p> <p>The various positions such as Up-Down movements, Trendelenburg Reverse Trendelenburg, Lateral Tilts, Flex- Reflex, Chair Position as realized by remote control.</p> <p>Leg section & head section are interchangeable.</p> <p>All accessories must be included</p>	
Operating Lamp	<p>LED Ceiling mounted surgical light · Diameter of Lights : Φ 720mm + Φ 620mm · Illumination(Lux) : \geq 160,000 lux + 80,000 lux or · more · Color temp(K) : 4200 ± 200 · Color Rendering index(Ra.%) : $90 \geq$ · Diameter of Lights sport(D10 mm) : $4,200 \pm 200$ · Input Power(VA) : 180W + 90W · LED power(W) : 30,000 hours · Illumination Depth(mm) : 400 / 400 · LED Service Life : 30,000 hours or more · Illumination of background light(Lx) : $30 \geq$ · The quantity of LED bulbs : 144 or more · Minimum installation Height of Operating Room : · 2600mm · 10 degree adjustment on the lighting · illumination : 30% ~ 100% · Temperature rise in the surgical area surface : \leq · 3 °C · Temperature rise in the area of the surgeon · head : \leq 1 °C</p>	<p>COMPLIED</p>

[Text of Technical Specification to be inserted in the Tendering Documents by the Procurement Entity, as applicable]

Equipment Description	Technical specifications
EMD Beds	<p>Fully Motorized ICU Bed) 5 Section PP Tops, 125mm Twin Wheel Castors. Central Locking Mech., Rubber Buffers at 4 corners Handset , ACP Box, Battery Back Up, SMPS Bed Extension, Linen Holder, Night Lamp, Angle Indicator.Polymer ----</p> <ul style="list-style-type: none"> -Moulded Head and Foot Panels (Removable) - Polymer Moulded Split Safety Rails (2 sets) Urine Bag Holder (Single) S.S Heavy Duty I.V. Pole (2 hooks) Premium mattress, single section, 4", with wave shape on both sides, High quality, high density, flame retardant foam and cover fabric having flame retardant, antibacterial, antiskid properties Mattress for Bed Extension
Ventilator	<p>Should have facility for Invasive and Non-Invasive ventilation</p> <p>Five years comprehensive Maintenance inclusive.</p> <p>Microprocessor Control suitable for Pediatric and Adult ventilation Electromagnetic Compatible Hinged arm holder for holding the circuit Should have built-in touch colour screen TFT display of minimum 10 inches or more for display of waveforms and Monitored value</p> <p>Should have in-built facility to upgrade with EtcO₂</p> <p>Facility to Measure and Display: Status Indicator for ventilator mode Battery Indication Alarm Setting Automatic compliance and leakage compensation for circuit and ET Tube Should have facility of log book, for events and alarms with date and time</p> <p>Should have the following settings: Tidal volume (Minimum at least 50ml, Maximum up to 2000ml) Inspiratory Pressure (up to 80cm of water) Respiratory rate 1 to 80 bpm</p> <p>Apnea back up rate CPAP/PEEP Pressure support FiO₂ Pause Time Pressure and Flow Trigger Inspiratory Flow up to 120bpm Monitoring and Display of the following Parameters: Airway Pressure (Peak and Mean) Tidal Volume (Inspired and Expired) Minute Volume (Inspired and Expired) Respiratory mechanics, Spontaneous Minute Volume Total Frequency, FIO₂ dynamic, Intrinsic PEEP, Plateau Pressure, Resistance and Compliance.</p> <p>Use selector Alarm for all measured and monitored parameters, Occlusion Pressure and Pressure Flow and Volume curves.</p> <p>Modes of Ventilation equipped with newer modes of ventilation: Assist Control, Volume Control, Pressure Control SIMV with pressure support (Pressure and Volume control) PEEP Inverse ratio Ventilation Non invasive ventilation - BIPAP, CPAP. Apnea Ventilator, user selectable, volume and pressure control Should have built-in safety alarms for Airway Pressure High and Low, Minute volume, High and Low, Power Failure, Low oxygen, High Respiratory Rate, Air Source in-operable. Should have in-built exhalation filter</p> <p>Humidifier: Servo controlled heated Respiratory Humidifier Temperature of delivered Gas on LED display</p> <p>Temperature should be adjustable Jar should be autoclavable Nebulization assembly compatible with ventilator and circuit.</p> <p>Should have interface facility Flow sensor</p> <p>should have life more than 1 year Expiratory Unit- life</p>




Equipment Description	Technical specifications
	<p>should be more than 3 years Data storage facility for at least 24 hours Internal rechargeable battery at least 30 minutes backup.</p> <p>Supplied complete with compatible UPS and all standard accessories.</p> <p>Power Supply: 220 - 240V, 50Hz</p>
Monitor	<p>Modular & Suitable for Adult/Pediatric/ Patients monitoring Minimum 15 inches multi colour TET display screen.</p> <p>Eight Channel digital and waveforms/traces display.</p> <p>Capability of storage of patient data and printing of patient report. :</p> <p>Facility to monitor and display:-ECG, Respiration, NIBP, SpO2, EtCO2 and Temperature. ECG</p> <p>Multichannel (up to 12 lead) ST segment analysis.</p> <p>3 or 5 lead with cascade waveform facility.</p> <p>Monitoring, Diagnostic & OT modes of monitoring ECG lead Simultaneous Multi - lead ECG monitoring of 7 ECG lead. HR range 20-350 bpm.</p> <p>HR/PR Source selection facility from Automatic, SpO2 IBP and NIBP PULSE OXYMETRY: Display of Plethmograph with Pulse strength indicator & SpO2 values and perfusion index.</p> <p>SpO2 range 1 - 100% and PR Range 20 - 230 BPM</p>
ECG	<p>Electrocardiogram (ECG) digital monitor and recorder, 12-leads detection, multi-channel recording, portable, AC and battery powered, with printer and accessories. Five years comprehensive Maintenance inclusive.</p> <p>ECG diagnostic monitor and recorder with printer ECG analysis and full interpretation (rhythm and events), real-time and manual.6-channels recording.</p> <p>ECG Features: 12 standard derivations aVR, aVL, aVF, I, II, III, and V1 - V6</p> <p>Simultaneous 12-leads acquisition adjustable ECG acquisition and visualization modes ECG gain 2.5, 5, 10, 20 mm/Mv and Auto, accuracy +/- 5%</p> <p>Adjustable ECG sweep (trace speed in mm/s) HR range 30 - 300 bpm with rhythm analysis Common Mode Rejection Ratio (CMRR) >89 dB.</p> <p>Frequency response (minimum guaranteed) 0.05 - 159 Hz, accuracy of input signal reproduction +/-5%, calibration signal 1 mV +/- 5% Input Impedance > 2.5 MOhm or > 50MOhm.</p> <p>Internal noise level <15 mV (p-p).</p> <p>Leakage current to patient <10 micro A With integrated keyboard, built-in printer with thermal printing head.</p> <p>Built-in rechargeable battery, autonomy >2.5 hours or 800 examinations.</p> <p>Automatic switch to battery in case of power failure and automatic recharge on connection to mains.</p> <p>ITEMS SUPPLIED WITH: 1 x patient cable 6 x reusable chest electrodes, suction ball type.</p> <p>4 x reusable clamp electrodes 1 x supply of 960 thermal Z-folded sheets 300ml of ECG conductive gel</p> <p>1 x spare rechargeable battery pack Power Input: 240 VAC, 50Hz</p>



Equipment Description	Technical specifications
Portable ultrasound	Complete with vascular, cardiac and curvilinear probes and Jelly for use in Ambulance and in the Emergency Room . Five years comprehensive Maintenance inclusive.
	Capable of generating imaging procedures involving lungs, heart, abdomen, pelvis, blood vessels, musculoskeletal and soft tissue. Five years comprehensive Maintenance inclusive.
	CONSOLE: Laptop style console design, optional touch screen combined with conventional user control panel. Mounted on trolley of Four casters two with brakes.
	Battery Duration: minimum 2 hours under normal use conditions Supplied complete with clear protective control panel cover for infection control.
	Imaging Focusing: Adjustable focal depth, synchronization of focal zone to the selected scanning depth.
	Zooming Capability with automated image optimization.
	Image Orientation:
	Capable of lateral and vertical Inversion (in B-mode) Image Modes: 2D Imaging, M-Mode, B/M mode, Dual 2D/Colour Imaging mode with Cine loop.
	Doppler, Colour Doppler Imaging (CDI), Power Doppler Imaging (PDI), Duplex, Continuous wave Doppler, Triple mode (optional)
	Software Application that include at least: Obstetrics/Gynecology measurements and calculations, including gestational sac mean, mean sac diameter, femur length, crown-rump length, biparietal diameter and abdominal circumference, enabling estimation of gestational age.
	Vascular/basic cardiac quantification Measurements capability (distance, area and circumference by ellipse and trace method) Equipment with write-zoom function available Screen annotations capture patient data, date and time, scanning
	protocols, probes. Monitor and Display: High Definition (HD) digital black and white and colour liquid crystal display (LCD) monitor of at least 25 cm diagonal (across), with reflection filter. Broadband Curvilinear transducer of at least 5-2 MHz and 12-5 MHz transducer Power Supply: 220 - 240V, 50 Hz
Blood gas analyzer	<ul style="list-style-type: none"> • Portable • Sample volume 110µl • Result in one min after sample aspiration • Power supply -220v with rechargeable battery at least 42mAh • At least 10 parameter <p>pH, pO₂ , pCO₂, Na, K, Ca, Cl, Glu, Lac and Hct</p>
Suction machine	The machine shall be portable on four wheels and with a handle for transportation. The suction pump must be totally oil-free diaphragm type.
	Must have maintenance free pumps of international design for continuous use Motor shall be of Class "F" insulation to operate in ambient temperature to withstand up to 50oC, with thermal cut-outs Able to produce minimum vacuum of 700mm Hg and which must be adjustable and monitored by vacuum gauge of suitable range.



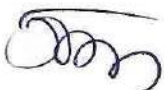
Equipment Description	Technical specifications
	<p>The suction capacity must be 25 liters per minute and can be regulated It must have two bottles of 2l each. Each made of unbreakable polycarbonate with ABS Lid with float (overflow control device) The jars must be graduated in cc levels.</p> <p>The suction bottles shall be autoclavable On/Off Switch and power indicator must be available. Shall provide foot switch.</p> <p>Base, top and panel made of rust proof and corrosion resistant moulded ABS.</p> <p>Accessories:</p> <p>Spare bottles: 02nos, Lid: 02nos, Rubber Seals: 02nos, Blades: 02nos, Suction Tubing set at least 5metres: 02nos,</p> <p>Spare fuse: 01 set and Bacterial filter: 05 nos.</p> <p>Supplied complete with all standard accessories Power Supply: 220 - 240 V, 50Hz</p>
Laryngoscope set	<p>For Adults and Children (Marc and Miller Type) Large hollow, cylindrical, slightly ribbed handle. Handle made of either Chromium plated or Stainless Steel</p> <p>Can be opened to insert two batteries (type LR 14, size C, 1.5V) Stud contact, fitting various sizes and types of depressors With a set of four stainless steel depressors, with halogen bulb Marc. Type Curved Nr 2, length approx. 110mm Curved Nr 3, length approx. 135 mm Curved Nr 4, length approx. 155 mm Miller Type Straight Nr 1, length approx. 100 mm Supplied with: - 1 x Durable protective plastic box or padded vinyl case - 4 x Spare halogen bulb (one for each depressor) - 2 x Dry cell, alkaline, "C" 1.5V</p>
Nebulizer	<p>Electrical powered with accessories Portable, compressor driven nebulizer pump Easy to operate and sturdy design for use in demanding environment Cup capacity minimum 3ml to max 10ml Nebulization approximate 0.3 to 0.8 ml/min Residual Volume maximum 2ml Flow delivery range (under load) 0.5 to 10 L/min Operating temperature +5 to +50° C Humidity up to 65% Power Supply 220 - 240V, 50Hz, 50W Supplied with: 1 atomizer body piece 1 pediatric reusable mouth piece 1 adult reusable mouth piece 2 air tubing 9mm diameter and 1 m length Dosage cup Reusable pediatric and adult masks</p>
Blood and fluid warmer	<p>Fluid Temperature Range: 33 - 37°C Heat Transfer Method: Dry heat Time to heat from 23°C to usable range (33 - 37°C) : 30 - 40 minutes</p> <p>High Temperature protection set point: 37°C Temperature: Operation Mode: +5°C to +40°C Humidity: Operation Mode: -30% to 75% non-condensing Supply Voltage: Warmer, 15 VDC Power Supply: 220 - 240V, 50Hz</p>
Infusion Pump	<p>One Channel at least Capable of accepting any kind o fluids (solutions and medications) Pump Capabilities: Flow Range: 0</p> <p>1 to > 999 ml/hr Increments: 0</p> <p>1 - 100 ml/hr Keep Vein Open (KVO) Rate: 1 - 5 ml/hr Volume to be Infused Selector (VTBI): 1 - 9999 ml Flow Rate Accuracy of +/- 5% When multiple channel automatic piggybacking Ingress protection not less than IPX2 Front Panel lockout Self-check carried out on powering on Events Stored System: Log book Pause Infusion Facility required Anti-bolus System to reduce pressure on sudden release of occlusion IV Set Free-Flow Protection and Air Trapping Capability Needleless IV connection "Dose Error" reduction system preferable Drug library software available, including updates (free during warranty)</p>



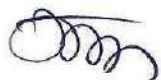
Equipment Description	Technical specifications
	<p>Air Bubble Detector with single and cumulative functions preferable Clearly visible optical alarms Acoustic Alarm not less than 45Db Real Time Display Availability of a Nurse call system connectable to a staff alerting system, 24V/0</p> <p>2A static or dynamic preferable Continuous operation within specification in ambient temperature of at least 5 - 40oC, Relative humidity of at least 10 - 90% noncondensing</p> <p>Monitored and Displayed Parameters (colour and graphic preferable) Flow Pressure Dose Availability of software to monitor the delivery of drugs preferable Alarms Audible alarm required with volume control Momentary silence less than 2 min</p> <p>Occlusion upstream and downstream Air in line and System malfunction Set loaded improperly and Door Open Infusion Complete and Loss of mains power Low Battery and Clinical Advisory Messages Consumables labeled "single use" Compatible Administration Set: 100</p> <p>Compatible Administration Sets micro-bore and macro-bore: 100 Compatible long Administration Sets both micro-bore/small and macro-bore or long extension sets: 100 Accessories Clamp for mounting pump on IV stand Clamp for external transportation preferable Portability Data port required, at least RS 232 and/or USB interface Long analysis software and updates provided</p> <p>Wireless connectivity</p> <p>Event log required and recording Software to diagnose and calibrate the equipment with access to calibration settings Power Supply Operates from AC mains power: 220 - 240V, 50Hz In-built rechargeable battery</p> <p>Battery with operating time at least 4 hours at 25 ml/hr Automatic switch from AC mains power mode to battery operating mode and vice versa</p> <p>Total re-charging time not greater than 6 hours</p>
Syringe pump	<p>Microprocessor controlled programmed syringe pump Programming: Up to 99 steps of speed and time' Time Resolution: 0 to 999 minutes in 1 minute steps Time Resolution can be selected individually for each program step Accuracy: +/- 1% Reproducibility: +/-0.2% Syringes: Glass, plastic. Metal syringes from 5 micro-liter to over 150ml Flow Rate Range: Depends on the inner syringe diameter 0.4nl/min</p> <p>with a 5ml syringe to 110ml/min with a 150ml syringe</p> <p>Maximum Force: 300N reducible by a switch to 80N Motor: Microprocessor controlled brushless long life BLDC motor with Neodymium magnets Transmission: Efficient force transmission by a ball screw with highest mechanical load capacity of 12,000N Pusher Travel: 120mm Pusher Travel Rate: Minimum: 0</p> <p>08 mm/min Maximum: 80 mm/min Speed Control Range: 0 to 999 Non-volatile Memory: Storage of all settings Power Supply: 220 - 240V, 50Hz Interface: RS-485 or RS-232 automatic valve control Remote Control: 0 - 10V Operation Temperature: 0 - 40oC Operation Humidity: 0 - 90% RH not condensing</p>
Portable Pulse oximeter	<p>Patient Range: Adult, Pediatrics and Neonatal patients High Resolution, 2.4" colour display Visual and sound alarms Uses AA size alkaline or rechargeable batteries Digital SpO2 Range: 0 - 100% Resolution: 1%, Accuracy: 70% to 100% +/-2% Refreshing Rate: < 13 seconds Pitch Tone: Yes</p> <p>Pulse Rate Range: 25 - 250 bpm Resolution: 1 bpm, Accuracy: +/-2% or +/-1 bpm Refreshing Rate: < 13 seconds</p>



Equipment Description	Technical specifications
	<p>Display: Type: 2.4" colour display 320 x 240 pixels Parameter Digital SpO2, Pulse Rate, Pleth bar and SpO2 waveform</p> <p>Alarm Audible alarm, audible button tone Supports Pitch Tone and multi-level volume</p>
<p>Central Monitoring Station 16 Channel</p>	<p>General Description Modular and Suitable for Adult/Paediatric/ Patient monitoring Minimum 15" multi colour TET display screen Eight Channel digital and waveforms/traces display Capability of storage of patient data and printing of patient reports. Five years comprehensive Maintenance inclusive.</p>
	<p>Parameters: Eight digital and waveforms/traces display Facilities to monitor and display ECG, Respiration, NIBP, Et CO2, SpO2 and Temperature ECG Multichannel (uo to 12 lead) ST segment analysis 3 or 5 lead with cascade waveform facility Monitoring, Diagnostic and OT modes of monitoring of ECG Simultaneous Multi-lead ECG monitoring of 7 ECG lead</p>
	<p>Heart Rate (HR) Range: 2 - 350 bpm HR/PR Source selection facility from Automatic, SpO2 IBP and NIBP Automatic arrhythmia detection alarm for standard and lethal arrhythmia Pulse Oximetry Nellcor or Masimo technology Display of Plethysmograph with Pulse Strength indicator and SpO2 values and perfusion index SpO2 Range: 1 - 100% PR Range: 20 to 230bpm ETCO2 Should be Main stream capnography with display of CO2 and digital Values of EtCO2, FiCO2 and RR</p>
	<p>EtCO2 Range: 0 - 99 mmHg FiCO2 Range 0 - 20 mmHg Flow Rate: 50ml/min NIBP Measurement and display of systolic, diastolic and mean pressure values of NIBP measurement for Adult, Child and Neonate</p>
	<p>Use selectable alarm settings: Mode: Manual, STAT (continuous 5 minute operation) and automatic (selectable time interval 2 - 90 minutes) Range: 20 - 250 mmHg Temperature Two channel and with two units (oC and o F) selectable Temperature Range: 0 - 50oC</p>
	<p>Option for differential temperature</p>
	<p>Should be provided Respiration: RR range 1 - 150 bpm Apnea alarms should be provided</p>
	<p>Trends and Alarms 72 hours</p>
	<p>Non volatile graphical/ tabular trends with zoom facility and separate dedicated trend for storing minimum 200 NIBP readings Should have Alarm recall facility for last 24 Alarm events with date, time and message</p>
	<p>Should have facility to print Graphical trend, tabular trend and alarm recall</p>
	<p>Recorder In-built dual channel thermal array recorder</p>
	<p>Include Laser Printer and dual channel strip chart recorder Others Defibrillator and Cautery protection should be provided</p>
	<p>Should work on Mains as well as Battery (backup for 2 hours) Automatic zoom in facility in the monitor display</p>
<p>Should have facility to download trend data on USB and SD Card Supplied complete with all standard accessories and consumables that will enable the machine to operate</p>	
<p>Power Supply: 220 - 240V, 50 Hz</p>	
<p>CENTRAL STATION Central Station should have facility to display up to 20 real time waves at a time and upgradable</p>	
<p>Central Station should have separate patient window for viewing detailed real-time or stored data for individual patient</p>	
<p>It should have 24 hr stored patient data monitoring trends and 24 hr event review facility</p>	



Equipment Description	Technical specifications
	<p>The Central Nurse Station should also have the following: - Multi-lead arrhythmia and ST review facility - 50 alarms strips storage per bed - Offer wave review with 24 hr full disclosure - Optional facility for dual display for detailed analysis of individual bed without compromising on full ICU monitoring</p> <p>Facility for interfacing Holter data for analysis, in case of the Holter from the same brand is available</p> <p>Export the ICU Patient data to Holter for analysis</p> <p>Remote display (Slave) facility should be available</p> <p>Real time recording thru Dual Channel Recorder</p> <p>Facility for interfacing a laser printer for printing patient information and trend formats</p> <p>Advanced arrhythmia analysis package of at least 20 arrhythmia analysis</p> <p>12 lead ECG Monitoring and view possible at Central Nurse Station</p> <p>Continuous full disclosure of up to 4 configurable waves per patient</p> <p>Operate on Microsoft Windows NT workstation operating system</p> <p>Supplied with 19" Flat Screen TFT display, Laser Printer and Recorder, UPS</p> <p>- The entire networking and cabling with hardware Wall mounts</p> <p>Power Supply: 220 - 240 V, 50Hz</p>
Central Venous catheters (CVC)	Sizes 3, 4, 5, 6, 7, 8, 9, 10
Oropharyngeal Air way (OPA)	Sizes 0,1, 2, 3, 4, 5 for Adult and Pediatrics
Nasalpharyngeal Air Way (NAP)	Sizes 3, 4, 5, 6 for Adults and Pediatrics
Endotrachea	Sizes 3, 3.5, 4, 5, 6, 6.5, 7, 7.5, 8
defibrillator	<p>Should be a Low Energy Biphasic defibrillator monitor with Recorder, having capability to deliver shocks from 2 Joules to 200Joules. Five years comprehensive Maintenance inclusive.</p> <p>Should monitor ECG through paddles, pads and monitoring electrodes and defibrillate through pads and paddles</p> <p>Should compensate for body impedance for a range of 25 to 150 ohms.</p> <p>Should have charging time of less than 5 seconds for maximum energy.</p> <p>Should have High resolution more than 8 inch colour display for viewing monitoring parameters like ECG, SpO2, NIBP and EtCO2 with 4 waveform capability of 4 seconds</p> <p>Both Adult and Pediatric paddles should be available Should have event summary facility for recording and printing at least 55 events</p> <p>Should have a battery capable of usage for at least 5 hours of monitoring</p> <p>Should be capable of printing Reports on event summary, configuration, self test, battery capacity etc Should have facility for self test/check before usage and set up function.</p> <p>Should have facility to monitor parameters like SpO2, NIBP and etCO2 along with non invasive pacing (Demand and Fixed mode) facility</p> <p>Should be able to upgrade the defibrillator for 12 lead ECG monitoring and ECG transmission System</p> <p>Configuration Accessories, spares and consumables:</p>



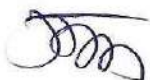
Equipment Description	Technical specifications
	<p>Defibrillator with AED and external Pacemaker - 1pc Adult with built in Pediatric External Paddles - 1pc Patient Cables - 1pc ECG Rolls 50 Adult SpO2 reusable Sensor - 1pc Adult NIBP Cuff and Hose - 1pc EtCO2</p> <p>Tubing (box of 20) -1box AED Multifunction Pads for Adults - 10 pairs with Each unit.</p> <p>The unit shall be capable of operating continuously in ambient temperature of 5 to 45oC and relative humidity of up to 95%</p> <p>Shall meet General Requirements of safety for Electromagnetic Compatibility.</p> <p>Power Input: 240 VAC, 50Hz</p>
Endotrachea Tube Introducers (Stylate and Bougie)	<p>A disposable, latex free, sterile and individually wrapped device. Markings: at 20 cm, 30 cm, and 40 cm intervals. It consists of a 50 to 60 cm stylet with the distal tip bent at a 30 degree angle Endotracheal Tube Introducer bougie: - size 15 FR, OD 0.5mm, 700 mm - size 10 FR, OD 3.3mm, 700 mm</p> <p>- size 6 FR, OD 2.0 mm, 530 mm</p>
Magills Forceps	<p>Made from stainless steel and can be disinfected and sterilized Twin-bladed tong-like forceps Handles for gripping by the user Rounded ends for grasping Oblique angle between handles and blades to prevent obstruction of the view of the airway during use. Sizes for Adult and Child use</p>
Nasal Cannula (prongs)	<p>Nasal cannula (nasal prongs), device designed for easy administration of oxygen into the patient nose through two small prongs placed in the nostrils. It consists of soft twin prongs nasal tips to ensure equal oxygen flow to both. Adjustable, smoothly finished nasal tips for maximum patient comfort Star lumen main tube to avoid accidental blockage. Made from soft and kink resistant polyvinyl chloride (PVC) material For Adult and Child use</p>
Wall mounted otoscope	<p>Illumination: Pressurized halogen lamp Image Resolution: 1280 x 1024 pixels Connection/Interface: USB 2.0 with 3m cable System Requirements: Windows XP Service Pack Electrical Rating: Lamp 3.5V DC, 810mA USB: 5V DC, 150mA Focal length:114mm and Magnification:2.2X Constructed from ABS and Acrylic Plastic or Stainless Steel Automatic Image Brightness and white balancing for optimal image</p>
wall mounted Ophthalmoscope	<p>Range of lenses not smaller than -20D to +29D with steps not greater than1D. Anti-reflection lens Magnification: 12 - 15X Apertures: Small, Large and Semi Circle, Fixation Star Colour Temperature: Cool White in the range 3100 - 5500K Light Intensity: 8,000 - 12,000 lux. Dust free sealed optics and aspherical optical system Red-free, Blue, Green and polarization filters Handle with On/Off switch. Scratchproof lens: Glass or Plastic Batteries: AA or rechargeable. Battery life at least 5 hours of use on full charge or fresh batteries Accessories: Battery Charger (as applicable to rechargeable type only) Sufficient light bulbs for 3 years use. Rechargeable Battery 1.5V.</p>
Instrument trolley	<p>Stainless steel shelves and railings Available in full stainless steel/powder coated frame. Stainless steel bottom and top shelves with railing on top shelf Frame Mounted on 100 mm diameter wheels Overall Size: L 710 mm x W460 mm x H830 mm</p>
Adjustable Mayo table	<p>Made of stainless steel with removable top tray</p>



Equipment Description	Technical specifications
	Height adjustable by foot 75 mm swivel castors Dimensions: Width 60 cm, Depth 40 cm and Height 120 - 130 cm
Digital Mobile X-ray	<p>This Machine should be able to provide a minimum of 300 images per day. Should have a high frequency generator of 50-150KW, Automatic exposure device, Anatomical programming radiography, overloading protection feature, digital display of KV and mAs. X-Ray tube should be Floor stand mounted.</p> <p>Axis should rotate 360 degree</p> <p>Five years comprehensive Maintenance inclusive.</p> <p>High speed rotating anode and exposure should be 50 – 150KV and 0-600mA. Heat strength capacity of the anode at least 150,000HU.</p> <p>The digital detector (Two fixed Detectors) should be flat panel of latest technology.</p> <p>The digital workstation should have high speed processors, preview time of 5s or less.</p> <p>The workstation should provide basic functions for image processing and be compatible to other HIS</p> <p>Displayed Parameters: The console monitor should display patient ID, Exposure factors, warning sign and other important parameters.</p> <p>Components: Patient table: Mounted on heavy duty four castors with brakes to allow Longitudinal and lateral movement and better patient position. Floating table with up and down movement Table Size from 1800x800mm to 2200x800mm Patient weight: at least 150Kg Bucky wall stand: Height :1900mm</p> <p>Center Height Stroke Range from 400mm to 1600mm</p> <p>Source to image detector should include the range of 90cm to 125cm</p> <p>Detectors:</p> <p>Fixed Flat Panel Detectors</p> <p>Active Image Size at least 17inch x 17inch or 43cm x 43cm</p> <p>Pixel Size at least 140 micron</p> <p>Dimension : 460 x 460 x 15mm</p> <p>Dust cover for control unit to be supplied.</p> <p>Protection against insect and rodent ingress to be incorporated.</p>



Equipment Description	Technical specifications
	<p>Electrical Requirements: Should meet Tanzania Electrical Standards (Voltage of between 220-240V with the standard frequency of 50Hz) with type G adaptor System.</p> <p>Accessories: Multi-tray printer for different X-Ray film sizes (10 x 12, 14 x14, 14 x 17, 10 x 8). Protective gear (lead apron minimum of 2 small, 2 medium and 2 large), Goggles (Minimum 1 small, 1 medium and 1 large). Gonad shield (minimum 2 small, 2 medium, 2 large), neck collar shield (minimum of 1small, 1 medium, 1 large), Gloves (Minimum 2 small, 2 medium and 2 large). Radiation hazards warning signs to be supplied with the machine. It should come with the Power Backup System with capacity of power storage for not less than 15 Minutes.</p> <p>Radiation protective gears: X-ray should come with;(i) two (2) pairs of lead aprons with back protection 0.35/0.25mmPb, (ii) two (2) pairs of Thyroid Shield Model Classic 0.35mmPb (iii) two (2) pairs of Patient Apron with belt 0.50mmPb Leadlite W/G-30 L-30</p> <p>Printer</p> <p>Multi-tray printer for different X-Ray film sizes (10 x 12, 14 x14, 14 x 17, 10 x 8).</p> <p>Training, Installation and Utilization</p> <p>Requirements for commissioning: Manufacturer/supplier should perform installation, safety and operation checks before handover. Acceptance tests to be specified and local clinical and technical staff to verify proper and full functioning of device.</p> <p>Training of user/s: Application specialist shall provide training of users in operation and basic maintenance.</p> <p>Warranty and Maintenance:</p> <p>Five years comprehensive maintenance should include service, spare parts and labour starting from the day of the acceptance testing of the machine.</p> <p>Lifetime support; spare parts, consumables should be available throughout the lifetime period of the machine.</p>
	<p>Uptake time should be a minimum of 90%.</p> <p>Proof of locally available technical support personnel, including CVs and work permit for foreign personnel.</p> <p>Availability of technical personnel within the country should be stated; this should include CVs, work permits for foreign personnel.</p> <p>Software should be flexible and provide the room for upgrade to add new parameters to be measured by the Machine and report format.</p> <p>Documentation: Operating and service manuals (In English) including lists of important spares and accessories - with their part numbers and list of equipment and procedures required for calibration and routine maintenance should be provided. Documentation must also show recommended procedures for disposal and any probable hazards to the environment and/or community.</p> <p>Life span: Life span of the machine should be not less than 10 Years.</p> <p>Risk Classification: As per ISO 14971:2007- Application of risk management to medical devices.</p> <p>Regulatory Approval / Certification: TAEC, TBS and TFDA</p>



Equipment Description	Technical specifications
Neonatal ventilator	<p>The Ventilator should be microprocessor controlled designed for neonatal use. There should be possibility to upgrade with additional features Continuous flow, pressure limited, time cycled ventilator design Ventilator modes: should have following modes available in the unit IMV/IPPV CPAP including non-invasive ventilation SIMV, SIPPV/Assist-control Volume targeted/guarantee mode of ventilation with ability to deliver and monitor tidal volume as low as 1-2ml (Range 2ml to 50 ml) Pressure support mode of ventilation Apnea back-up ventilation Should have integrated high resolution TFT medical grade screen (size 4") for real time display Scalar (Pressure, Flow and Volume against time) and loop (Pressure-volume, volume flow and pressure-flow) pulmonary graphics Digital display of FiO₂, Peak pressure, mean airway pressure, CPAP/PEEP, Expiratory tidal volume, expiratory minute volume, total frequency, spontaneous frequency, lung function monitoring Compliance, resistance, lung distention coefficient, (C_{20/C}), Lung time constant, Rate volume ratio etc. Should have built-in logbook for recording events like various alarms. Integrated monitoring: Integrated volume and pressure monitoring i.e. monitoring of PEEP P_{max}, P_{mean} and VT, VT_{spont}, MV and MV_{leak}. The volume monitoring should have NTPD to BTPS correction. Monitoring of ie, Frequency and Spont. Frequency Settings range: Trigger Flow/volume, leak adapted PIP 8 to 80cm of water PEEP/CPAP 0 to 25 mbar Five years comprehensive Maintenance inclusive.</p> <p>I:E ratio 1:0 to 1:10 Inspired Time 0.1 to 2 sec Expired Time 0.2 to 30 sec Frequency Up to 200 BPM Base Flow (VIVE) 1 to 30 LPM Synchronization Patient synchronization Integrated blender for Oxygen 21 % to 100% Integrated nebulization facility Integrated screen for display of Pressure-Time, Flow-Time and Volume-Time curves Integrated monitoring of FiO₂ Monitoring of flow: At the Y piece with facility to activate it Audiovisual alarms with advisory on-screen message: MV high/low, Apnea, tube obstruction, FiO₂, high/low high PIP, low PEEP/CPAP, fail to cycle, gas supply low, power failure, ventilator inoperative, alarm log book. The ventilator should have automatic compensation for leakage and should monitor and display leakages The ventilator should show trends of important parameters viz. C,R, FiO₂, MAP, etc for evaluation of patient improvement Power Supply: 220 - 240V, 50Hz. SCOPE OF SUPPLY Ventilator on trolley with wheels and brake facility Integrated medical air compressor Humidifier with autoclavable chamber and complete with patient circuit Circuit support arm Nebulization accessories (2 sets)</p> <p>Bacterial filters 50 sets Flow sensors 20 sets Oxygen cell and Oxygen connecting hose Air connecting hose Battery back-up (at least 30 minutes)</p>
Glucometer	<p>·Hand held type Glucometer ·Battery operated ·Memory up to 10 measurements ·Sticks method measurements ·Code of sticks interring is available ·Indication of high and low measurements One box of sticks and punctures is included Operating instructions is included</p>



Equipment Description	Technical specifications
Hemoglobinometer	<ul style="list-style-type: none"> • Parameter: Hemoglobin, HCT(Hematocrit) Principle: Optical reflectance · Sample: Capillary or venous whole blood (13~15ul) · Strip: H12 Hemoglobin Test Strip · Speed: ≤ 10 seconds · Measuring Range: 4.0g/dL~25.6g/dL(g/L optional) · Memory: 1200 test results • Automatization: Self-checking, auto-judging and displaying malfunction · Power: DC 6V(Two CR2032 Batteries) · Precision: CV<5%,testing samples including high, medium & low concentration, the CV of 10
blood bank refrigerator	<ul style="list-style-type: none"> • Gross / Net volume (l): 895 / 763, Storage capacity (blood bags gross volume): 540 (450ml) / 750 (350ml) • Set temperature (preset): +4°C • Temperature cold / warm alarm limit: +2°C / +6°C • Hold over time (+5°C to +10°C): 2 h 42 • Climate class (ambient temperature range): SN / T (+10°C to +43°C) • Defrosting technique: Natural • Refrigerant type: R600a • External dimensions H x W x D (mm): 1988 x 1139 x 1039 • Inner dimensions H x W x D (mm) • 1167 x 887 x 713 • Supply voltage (V): 220-240 • Frequency (Hz): 50 / 60 • Power (W): 300 • Energy consumption (kWh/24h): 1.60 / 1.70 • Heat emission (Kcal/h): 41 • Compressor running time (%): 41 • Noise level (dB(A)) (at 1m height & 1m distance): 47



Equipment Description	Technical specifications
autoclave machine	<p>Process with gravity air removal ♦ Process with optional time and temperature</p> <ul style="list-style-type: none"> ♦ Microprocessor control system ♦ Steam generated by Heater in the chamber ♦ Door lock is Mechanical cam system ♦ Reservoir Capacity is 5L ♦ DRY system: Fully automatic steam ejection ♦ Overall size : 580(W)×430(H)×640(L)mm ♦ Chamber capacity: 310(W)×310(H)×450(L)mm, 30 L ♦ Chamber material : Acid resistant stainless steel ♦ Automatic microprocessor control system ♦ including the following 4 factory preset processes or equivalent * Process 1 General process for Cloths <ul style="list-style-type: none"> a) Steam sterilization 20 min at 132°C b) Drying time 30 mi c) Fast exhaust * Process 2 wrapped Instrument, Linen <ul style="list-style-type: none"> a) Steam sterilization 15 min at 132°C b) Drying time 20 mi c) Fast exhaust * Process 3 Glove, Plastic material <ul style="list-style-type: none"> a) Steam sterilization 20 min at 121°C b) Drying time 20 min c) Fast exhaust * Process 4 User select process <ul style="list-style-type: none"> a) Steam sterilization 0 ~59 min at 110°C~135°C b) Drying time 0~59 min 5. DRY system Fully automatic steam ejection The DRY system use the hot wind from air pump. 6. The water Reservoir is in the machine. a stainless steel feed water tank's capacity is 5L 7. Power : AC 220V, 50Hz, 2200W 8. Tray : 300(W)×50(H)×410(L)mm 2EA

Equipment Description	Technical specifications
Anaesthetic Machine	<p>A robust Universal Anaesthesia Machine (UAM) general anesthesia workstation that delivers anesthesia effectively with integrated oxygen concentrator to generate its own oxygen and provides standard connectors for cylinder, pipeline, and portable oxygen. Complete anaesthesia machine with integral pneumatic ventilator and patient monitor. Vaporiser: Low resistance, Suitable for draw over and continuous flow, Single vaporiser, dual agent use for isoflurane/halothane, Capacity 150ml.</p> <p>Integral pneumatic Ventilator: Back up for assisted ventilation minimum 6 hours (more hours is preferred) Integral Manual ventilation, Integral oxygen concentrator provides oxygen and medical air 8 – 10lpm at >95% . Alternative oxygen supply options: cylinder, pipeline oxygen.</p> <p>UPS for battery backup and voltage stabilisation. Full functionality with UPS for minimum of 20 minutes.</p> <p>Built in scavenger for exhaled gas Suitable for adults, paediatrics and neonates</p> <p>Peep 0-20cm H2O</p> <p>Patient monitoring:- 12.1" COLOUR TFT-LCD 60 minutes battery life</p> <p>ECG 5 leads, 3 as standard</p> <p>Sweep speed 12.5mm/s, 25mm/s, 50mm/s</p> <p>Heart rate range 10 -300 bpm</p> <p>Heart rate accuracy $\pm 1\%$</p> <p>RESP 0 – 150rpm</p> <p>Temperature measurement range 25 - 50°C</p> <p>SPO2 Measurement range 0 – 100%</p> <p>Pulse measurement range 25 250bpm</p> <p>NIBP: adult/paediatric/neonate</p>



Equipment Description	Technical specifications
Operatting Table	<p>Equipped with imported electric actuators for smooth & effortless working of the table.</p> <p>Must have hydraulic operation options also.</p> <p>It ensures the actuators working in a constant speed without any noise</p> <p>Designed to run even at low voltage to carry on the surgery.</p> <p>Top Dimension : L 1930 XW 553 m</p> <p>Height Adiustment :762mm -1012 mm</p> <p>Trandelenburg / Reverse :30°/25°</p> <p>Lateral Tilt: 20°/20°</p> <p>Kidney Elevator:150mm</p> <p>Back Rest (up / Down) :80°/25°</p> <p>Leg Rest (up / Down) :15°/90°</p> <p>Head Rest (up / Down) °:20°/60</p> <p>Power Supply: 24v Dc</p> <p>Battery Backup : 2-3 Hours</p> <p>Key Structure</p> <p>The table has been made from acid proof, stainless steel (the face of the table is easy to clean and immune to disinfection agents) Strong & rust free base of stainless steel is provided to make the working conditions pleasant for the doctors & nurses.</p> <p>Orthopedic attachment (hips and legs support) including the patient's pelvis support and legs support enables the limbs strain performing. Design of the Orthopedic attachment & eccentric column provides monitoring of the limbs with the C-ARM during the operation.</p> <p>The various positions such as Up-Down movements, Trendelenburg Reverse Trendelenburg, Lateral Tilts, Flex- Reflex, Chair Position as realized by remote control.</p> <p>Leg section & head section are interchangeable.</p> <p>All accessories must be included</p>
Operating Lamp	<p>LED Ceiling mounted surgical light · Diameter of Lights : Φ 720mm + Φ 620mm · Illumination(Lux) : \geq 160,000 lux + 80,000 lux or · more · Color temp(K) : 4200 ± 200 · Color Rendering index(Ra.%) : $90 \geq$ · Diameter of Lights sport(D10 mm) : $4,200 \pm 200$ · Input Power(VA) : 180W + 90W · LED power(W) : 30,000 hours · Illumination Depth(mm) : 400 / 400 · LED Service Life : 30,000 hours or more · Illumination of background light(Lx) : $30 \geq$ · The quantity of LED bulbs : 144 or more · Minimum installation Height of Operating Room : · 2600mm · 10 degree adjustment on the lighting · illumination : 30% ~ 100% · Temperature rise in the surgical area surface: \leq · 3 °C · Temperature rise in the area of the surgeon · head: \leq 1 °C</p>



SPECIAL CONDITIONS OF CONTRACT

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Special Conditions of Contract (SCC)

The following Special Conditions of Contract (SCC) shall supplement the GCC. Whenever there is a conflict, the provisions herein shall prevail over those in the GCC. The corresponding clause number of the GCC is indicated in parentheses.

SCC Clause Number	GCC Clause Number	Amendments of, and Supplements to, Clauses in the GCC
		Definitions (GCC 1)
1.	1.1	The Purchaser is: Ocean Road Cancer Institute Luthuli/Samora avenue, P. o Box 3592 Tel. +255 22 2127597 Fax 255-22-2118704 Dar Es Salaam
2.	1.1(j)	The Supplier is: ANUDHA LIMITED of P.o.Box 5982. Plot 2169/82& 8170/82, Morogoro Road, Opp. DART Kisutu Bus stand, DAR ES SALAAM TANZANIA
3.	1.1(q)	The Project is: SUPPLY OF EMD EQUIPMENTS AND CONSUMABLES FOR MTWARA ZONAL, LIGULA AND MOROGORO RHH
		Governing Language (GCC 4)
4.	4.1	The Governing Language shall be: ENGLISH
		Applicable Law (GCC 5)
5.	5.1	The Applicable Law shall be: Laws of Tanzania.
		Country of Origin (GCC 6)
6.	6.1	Country of Origin is all countries and territories as indicated in the section of the Tendering Documents, Eligibility for the Provision of Goods, Works and Services.
		Performance Security (GCC 10)
7.	10.1	The amount of performance security, as a percentage of the Contract Price, shall be 10 percent of the Contract Price



8.	10.4	After delivery and acceptance of the Goods, the performance security shall be reduced to two (2) percent of the Contract Price to cover the Supplier's warranty obligations in accordance with GCC 18.2.
Inspections and Tests (GCC 11)		
9.	11.1	<p>Inspection and tests prior to shipment of Goods and at final acceptance are as follows:</p> <p>Quality and quantity inspection shall be carried out prior to shipment of Goods by the manufacturer(s) at the supplier's own expense and responsibility in terms of the items specified in the specifications. The supplier shall submit the inspection certificate issued by himself which should be attached with the certificate(s) of the manufacturer(s) to the PE in order to ensure that the goods are manufactured in compliance with the contract.</p>
Packing (GCC 12)		
10.	12.2	<p>The following SCC shall supplement GCC 12.2:</p> <p>The Goods shall be packed properly in accordance with standard export packing specified by the PE in the Technical Specification.</p>
Delivery and Documents (GCC 13)		
11.	13.1	<p>For Goods supplied from abroad:</p> <p>Upon shipment, the Supplier shall notify the Purchaser and the Insurance Company by cable the full details of the shipment, including Contract number, description of Goods, quantity, the vessel, the bill of lading number and date, port of loading, date of shipment, port of discharge, etc. The Supplier shall mail the following documents to the Purchaser, with a copy to the Insurance Company:</p> <ul style="list-style-type: none"> (i.) One original plus four copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount; (ii.) original and four copies of the negotiable, clean, on-board bill of lading marked "freight prepaid" and four copies of nonnegotiable bill of lading; (iii.) One original plus four copies of the packing list identifying contents of each package;



		<p>(iv.) insurance certificate;</p> <p>(v.) Manufacturer's or Supplier's warranty certificate;</p> <p>(vi.) inspection certificate, issued by the nominated inspection agency, and the Supplier's factory inspection report; and</p> <p>(vii.) certificate of country of origin issued by the chamber of commerce and industry or equivalent authority in the country of origin in duplicate..</p> <p>The above documents shall be received by the PE at least one week before arrival of the Goods at the port or place of arrival and, if not received, the Supplier will be responsible for any consequent expenses.</p> <p><i>[Other similar documents should be listed, depending upon the Incoterm retained.]</i></p>
12.	13.3	<p>For Goods from within the United Republic of Tanzania:</p> <p>Upon delivery of the Goods to the transporter, the Supplier shall notify the PE and mail the following documents to the PE:</p> <ul style="list-style-type: none"> (i.) one original plus four copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount; (ii.) delivery note, railway receipt, or truck receipt; (iii.) Manufacturer's or Supplier's warranty certificate; (iv.) inspection certificate issued by the nominated inspection agency, and the Supplier's factory inspection report; and (v.) certificate of country of origin issued by the Tanzania Chamber of Commerce, Industry and Agriculture or equivalent authority in the country of origin in duplicate. <p>The above documents shall be received by the PE before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses.</p>
	Insurance (GCC 14)	



13.	14.1	The Insurance shall be in an amount equal to 110 percent of the DDP value of the Goods from "warehouse" to "warehouse" on "All Risks" basis, including War Risks and Strikes.
Incidental Services (GCC 16)		
14.	16.1	Incidental services to be provided are: <i>[Selected services covered under GCC 16 and/or other should be specified with the desired features. The price quoted in the tender price or agreed with the selected Supplier shall be included in the Contract Price.]</i>
Spare Parts (GCC 17)		
15.	17.1	Additional spare parts requirements are: Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods. Other spare parts and components shall be supplied as promptly as possible, but in any case within six (6) months of placing the order and opening the letter of credit.
Warranty (GCC 18)		
16.	18.2	GCC 17.2 – In partial modification of the provisions, the warranty period shall be ____ hours of operation or ____ months from date of acceptance of the Goods or (____) months from the date of shipment, whichever occurs earlier. The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the Contract. If, for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall, at its discretion, either: (a) make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests in accordance with SCC 4, or (b) pay liquidated damages to the PE with respect to the failure to meet the contractual guarantees. The rate of these liquidated damages shall be 0.20 per cent per day of undelivered materials/goods value up to the sum equivalent to the amount of ten percent of the contract value. Five (5) years comprehensive Maintenance



17.	18.4 & 18.5	The period for correction of defects in the warranty period is: Five (5) years comprehensive Maintenance
Payment (GCC 19)		
18.	19.1	The method and conditions of payment to be made to the Supplier under this Contract shall be as follows: Payment for Goods supplied from abroad: Payment of foreign currency portion shall be made in <i>Tanzania shillings</i> in the following manner: (i) Advance Payment: 65 percent of the Contract Price shall be paid within thirty (30) days of signing of the Contract, and upon submission of claim and a bank Guarantee or insurance bond for equivalent amount valid until the Goods are delivered and in the form provided in the Tendering Documents or another form acceptable to the PE. (ii) On Shipment: 30 percent of the Contract Price of the Goods shipped shall be paid through irrevocable confirmed letter of credit opened in favor of the Supplier in a bank in its country, upon submission of documents specified in GCC 10. (iii) On Acceptance: 5 percent of the Contract Price of Goods received shall be paid within thirty (30) days of receipt of the Goods upon submission of claim supported by the acceptance certificate issued by the PE. Payment of local currency portion shall be made in: TZS within thirty (30) days of presentation of claim supported by a certificate from the PE declaring that the Goods have been delivered and that all other contracted Services have been performed.
Payment for Goods and Services supplied from within the United Republic of Tanzania: Payment for Goods and Services supplied from within the United Republic of Tanzania shall be made in Tanzanian Shillings, as follows:		



		<p>(i) Advance Payment: 65 percent of the Contract Price shall be paid within thirty (30) days of signing of the Contract against a simple receipt and a bank Guarantee or insurance bond for the equivalent amount and in the form provided in the Tendering Documents or another form acceptable to the PE.</p> <p>(ii) On Delivery: 30 percent of the Contract Price shall be paid on receipt of the Goods and upon submission of the documents specified in GCC 11.</p> <p>(iii) On Acceptance: The remaining 5 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 PE.</p>
19.	19.3	Rate to be used for paying the Supplier's interest on the late payment made by PE shall be - N/A
	Prices (GCC 20)	
20.	20.1	Prices shall be adjusted in accordance with provisions in the Attachment to SCC. The price shall be fixed
	Liquidated Damages (GCC 26)	
21.	25.1	Applicable rate: 0.1% Maximum deduction: is equal to the performance security. <i>Note: 0.1 to 0.2 per cent per day of undelivered materials/good's value.</i>
	Procedure for Dispute Resolution (GCC 32)	
23.	32.3	Arbitration institution shall be TANZANIA INSTITUTE OF ARBITRATION Place for carrying out Arbitration TANZANIA INSTITUTE OF ARBITRATION

		Place for carrying out Arbitration TANZANIA INSTITUTE OF ARBITRATION
24.	33.1	Appointing Authority for the Adjudicator TANZANIA INSTITUTE OF ARBITRATION
	Notices (GCC 35)	
26.	35.1	<p>– PE's address for notice purposes: Executive Director, Ocean Road Cancer Institute Luthuli/Samora avenue, P.o Box 3592 Tel. +255 22 2127597 Fax 255-22-2118704 Dar Es Salaam - through ONLINE- TANePS (Tanzanian National e-Procurement System)</p> <p>– Supplier's address for notice purposes: ANUDHA LIMITED of P.o.Box 5982. Plot 2169/82& 8170/82, Morogoro Road, Opp. DART Kisutu Bus stand, DAR ES SALAAM TANZANIA</p>



GENERAL CONDITIONS OF THE CONTRACT (GCC)

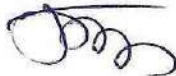


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GENERAL CONDITIONS OF THE CONTRACT (GCC)

1.	Definitions	1.1	The following words and expressions shall have the meanings hereby assigned to them:
			<p>a) The Adjudicator is the person appointed by the appointing authority specified in the Special Conditions of Contract (SCC), to resolve contractual disputes in the first instance, and as provided for in General Conditions of the Contract (GCC) 31 hereunder.</p> <p>b) The Arbitrator is the person appointed by the appointing authority specified in the SCC, to resolve contractual disputes.</p> <p>c) "The Contract" means the agreement entered into between the Procuring Entity (PE) and the Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.</p> <p>d) The Commencement Date is the date when the Supplier shall commence execution of the contract as specified in the SCC</p>
			<p>e) "Completion" means the fulfillment of the related services by the Supplier in accordance with the terms and conditions set forth in the contract</p>
			<p>f) The Contract Price is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract Days are calendar days</p> <p>g) A Defective Goods are those goods which are below standards, requirements or specifications stated by the Contract.</p>
			<p>h) "Delivery" means the transfer of the goods from the supplier equipment, machinery, and /or other materials which the Supplier is required to supply to the PE under Contract.</p> <p>i) "Effective Contract date" is the date shown in the Certificate of Contract Commencement issued by the Employer upon fulfillment of the conditions precedent stipulated in GCC 3.</p> <p>j) "The Purchaser" means the person named as purchaser in the SCC and the legal successors in title to this person</p>

			k)	"The Related Services" means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, initial maintenance and other such obligations of the Supplier covered under the Contract.
			l)	"GCC" means the General Conditions of Contract contained in this section.
			m)	The Intended Delivery Date is the date on which it is intended that the Supplier shall effect delivery as specified in the SCC
			n)	"SCC" means the Special Conditions of Contract.
			o)	"The PE" means the entity purchasing the Goods and related service, as named in SCC.
			p)	"The Supplier " means the individual private or government entity or a combination of the above whose Tender to perform the contract has been accepted by the PE and is named as such in the Contract Agreement and includes the legal successors or permitted assigns of the supplier and shall be named in the SCC.
			q)	"The Project Name" means the name of the project stated in SCC.
			r)	"Day" means calendar day.
			s)	"Eligible Country" means the countries and territories eligible for participation in procurements financed by the specified institution.
			t)	"End User" means the organization(s) where the goods will be used, as named in the SCC .
			u)	"Origin" means the place where the Goods were mined, grown, or produced or from which the Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized new produce results that is substantially different in basic characteristics or in purpose or utility from its components.
			v)	"Force Majeure" means an unforeseeable event which is beyond reasonable control of either Party and which makes a Party's performance of its obligations under the

			For the purpose of this clause:
			<p>"corrupt practice means the offering, giving receiving or soliciting of anything of value to influence the action of a public officer in the procurement process or contract execution;</p> <p>"coercive practice" means impairing or harming, or threatening to impair or harm directly or indirectly, any party or the property of the party for the purpose of influencing improperly the action or that party in connection with public procurement or in furtherance of corrupt practice or fraudulent practice;</p> <p>"collusive practices" means impairing or harming, or threatening to impair or harm directly or indirectly, any part or the property of the Party for the purpose of influencing improperly the action or a part or in connection with public procurement or government contracting or in furtherance of a corrupt practice or a Fraudulent Practice</p> <p>"fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Procuring Entity and includes collusive practices among Suppliers, prior to or after submission designed to establish tender prices at artificial non-competitive levels and to deprive the Procuring Entity of the benefits of free and open competition;</p> <p>"obstructive practice" means acts intended to materially impede access to required information in exercising a duty under this Contract;</p>
		27.4	In the event the Procuring Entity terminates the Contract in whole or in part, pursuant to GCC Clause 26.1, the Procuring Entity may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Procuring Entity for any excess costs for such similar Goods or Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

28.	Force Majeure	<p>28.1 Notwithstanding the provisions of GCC Clauses 25, 26, and 27, neither Party shall have any liability or be deemed to be in breach of the Contract for any delay nor is other failure in performance of its obligations under the Contract, if such delay or failure is a result of an event of Force Majeure.</p> <p>For purpose of this clause, "Force Majeure" means an event which is beyond the reasonable control of a Party, is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of a Party, and which makes a Party's performance of its obligations hereunder impossible or so impractical as reasonably to be considered impossible in the circumstances, and includes, but is not limited to, war, riots, civil disorder, earthquake, fire, explosion, storm, flood, epidemics, or other adverse weather conditions, strikes, lockouts or other industrial action (except where such strikes, lockouts or other industrial action are within the power of the Party invoking Force Majeure to prevent</p>
		<p>28.2 If a Party (hereinafter referred to as "the Affected Party") is or will be prevented from performing its substantial obligation under the contract by Force Majeure, it shall give a Notice to the other Party giving full particulars of the event and circumstance of Force Majeure in writing or in electronic forms that provide record of the content of communication of such condition and the cause thereof. Unless otherwise directed by the Procuring Entity in writing or in electronic forms that provide record of the content of communication, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.</p>

29.	Termination for Insolvency	29.1	The Procuring Entity may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Procuring Entity.
30.	Termination for Convenience	30.1	The Procuring Entity, by written notice sent to the Supplier, may terminate the contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Procuring Entity's convenience, the Contract is terminated, and the date upon which such termination becomes effective.
		30.2	The Goods that are complete and ready for shipment within thirty (30) days after the Supplier's receipt of notice of termination shall be accepted by the Procuring Entity at the Contract terms and price. For the remaining Goods, the Procuring Entity may elect:
			a) To have any portion completed and delivered at the Contract terms and prices; and / or
			b) To cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Services and for materials and parts previously procured by the Supplier.
31.	Disputes Resolution	31.1	In the event of any dispute arising out of this contract, either party shall issue a notice of dispute to settle the dispute amicably. The parties hereto shall, within twenty-eight (28) days from the notice date, use their best efforts to settle the dispute amicably through mutual consultations and negotiation. Any unsolved dispute may be referred by party to an adjudicator nominated by the appointing Authority specified in SCC.
		31.2	After the dispute has been referred to the adjudicator, within 30 days, or within such other period as may be proposed by the Parties, the Adjudicator shall give its decision. The rendered decision shall be binding to the Parties.
		31.3	If either Party is dissatisfied with the Adjudicator's decision may, within days specified in the SCC refer the dispute for arbitration. If either party within the period mentioned in the SCC has not referred the matter for arbitration the decision shall become final and binding to the Parties.

32.	Procedure for Disputes	32.1	The arbitration shall be conducted in accordance with the arbitration procedure published by the Institution named and in the place shown in the SCC.
		32.2	The rate of the Adjudicator's fee and administrative costs of adjudication shall be borne equally by the Parties. The rates and costs shall be in accordance with the rules of the Appointing Authority. In conducting adjudication to its finality each party shall bear its incurred costs and expenses..
		32.3	The arbitration shall be conducted in accordance with the arbitration procedure published by the institution named and in the place shown in the SCC.
33.	Replacement of Adjudicator	33.1	Should the Adjudicator resign or die, or should the Employer and the Supplier agree that the Adjudicator is not functioning in accordance with the provisions of the contract, a new Adjudicator will be appointed by the Appointing Authority.
34.	Limitation of Liability	34.1	Except in cases of criminal negligence or willful conduct, and in the case of infringement pursuant to GCC 8,
			a) The supplier shall not be liable to the Procuring Entity, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Procuring Entity; and
			b) The aggregate liability of the Supplier to the Procuring Entity, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment or to any obligation of the Supplier to indemnify the Procuring Entity with respect to patent infringement..
35.	Notices	35.1	Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing or in electronic forms that provide record of the content of communication and confirmed in writing or in electronic forms that provide record of the content of communication to the other party's address specified in SCC.
		35.2	A notice shall be effective when delivered or on the notice's effective date, whichever is later.

36.	Taxes and Duties	36.1	A foreign Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the United Republic of Tanzania.
		36.2	If any tax exemptions, reductions, allowances or privileges may be available to the Supplier in the United Republic of Tanzania the Procuring Entity shall use its best efforts to enable the Supplier to benefit from any such tax savings to the maximum allowable extent.
		36.3	A local Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Procuring Entity.



NEGOTIATION MEETING
SUPPLY OF EMD EQUIPMENT

Venue: Executive Director Board Room

Date: 3/12/2021

Quotation no: PA-010/2021-22/G/38

Attendance:

1. Gabriel Sungi	Chairman	ORCI
2. Chausiku Chapuchapu	Member	ORCI
3. Jovitha Jovin	Secretary	ORCI
4. Nafasa R. Marombwa	Member	Morogoro
5. Dr. Lobikieki Kissambu	Member	Mtwara Zonal
6. David Obed	Member	Anudha
7. Nisha Patel	Member	Anudha

Agenda

- 1. Opening of the meeting**
- 2. Adoption of the agenda**
- 3. Discussion on areas for technical and financial negotiation**
- 4. Closing of the meeting**

1. Opening of the meeting

The meeting was opened by the chairman of negotiation team at 11:03AM, by welcoming all the members including the representatives from Anudha Limited to introduce themselves, which they all complied. The chairman went on explaining the purpose of the meeting and proceeded with agenda number 2.



2. Adoption of the Agenda

All Agenda were read out and confirmed.

3. Discussion on areas for technical and financial negotiation

The quoted price for supply of EMD equipment for MTWARA ZONAL, LIGULA RRH and MOROGORO RRH were read out at the meeting to be TZS 1,551,977,400 while the budget was TZS 2,180,102,000.

The need for negotiation between these health facilities and Anudha was because some of the equipment were omitted according to the need/requirement from each facility, which needed to be resolved at the meeting and also to ask for the cost reduction.

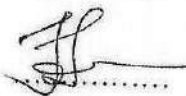
The Anudha Limited agreed to reduce the amount quoted for the accessories for each required machine. With regard to this discount the amount was still high as these consumable accessories has got very low price compared to the required machines. Hence, Anudha agreed to drop the price for each specific item.

General agreement was reached that, with the total budget of TZS 2,183,108,000 Anudha limited will supply the required items at the total cost of TZS 2,183,082,000 after reviewing the list

4. Closing of the Meeting

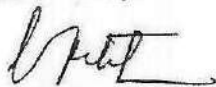
The meeting was concluded at 4:00 PM.

Prepared by



Jovitha Jovin
Secretary / ORCI

Approved by:



Gabriel Sungi
Chairman
Ocean Road Cancer Institute



Nisha Patel
CEO
Anudha Limited



NEGOTIATION MEETING ICM & FMD EQUIPMENT

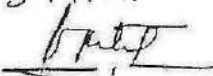

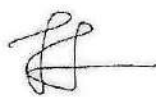



7/11/2021

* Attendance:

NAME

TITLE

SIGN.

- | | | |
|---------------------------|-----------------------|---|
| 1. Graham Singh | Chairman |  |
| 2. Cha usiku Chapuchapu | Member |  |
| 3. Jovilla Jovin | Secretary |  |
| 4. NAFSA RIMAROMBWA | Member | |
| 5. DR LOBIKICHA KISSAMBWA | MEMBER |  |
| 6. Eng. David Obecel | Anudha representative |  |
| 7. Nisha Patel | Anudha representative |  |



THE UNITED REPUBLIC OF TANZANIA

Ocean Road Cancer Institute

Telephone: +255 22 220002

Fax:

E-mail: info@orci.or.tz



Barrack Obama Road, Lithuli
Road
Dar es Salaam
Ilala
3592, Dar es Salaam
Tanzania, United Republic Of

Date 08/12/2021

In reply please quote

PA-010/2021-22/G/38

Name of awarded PE

OCEAN ROAD CANCER INSTITUTE

**RE: Supply of EMD equipments for
Mtwara Zonal, Ligula and Morogoro RHH
SUB: NOTIFICATION OF CONTRACT AWARD**

1. Reference is being made to the bid documents submitted by 26/11/2021 , for the above captioned matter.
2. Kindly be informed that the Ocean Road Cancer Institute Tender Board during its ordinary Meeting held on 01/12/2021 , approved award of the contract to ANUDHA LTD. For Supply of EMD equipments for Mtwara Zonal, Ligula and Morogoro RHH at the contract price of TZS 2183082000.00 VAT inclusive.
We hope you will provide us with best services

EXECUTIVE DIRECTOR

A handwritten signature in black ink, appearing to be 'Jm'.

STANDARD POWER OF ATTORNEY

BY

ANUDHA LIMITED

("Donor")

AND

ANURAG HASSIJA

("Donee")

**IN RESPECT OF TENDER NO. PA-010/2021-2022/G/38 FOR SUPPLY OF EMD
EQUIPMENTS AND CONSUMABLES FOR MTWARA ZONAL, LIGULA AND
MOROGORO RHH.**

DRAWN BY:

Pride Attorneys

Mshihiri Street

Morogoro Road

P.O. Box 315

DAR ES SALAAM

Email: info@prideattorneys.co.tz

Website: www.prideattorneys.co.tz



STANDARD POWER OF ATTORNEY

TO ALL IT MAY CONCERN

THAT BY THIS POWER OF ATTORNEY given on the 24th day of November, 2021.

We the undersigned **ANUDHA LIMITED** of P.O. Box 5982 Morogoro Road, Dar es salaam by virtue of authority conferred to us by the Board Resolution No. 89 of 24th day of November, 2021, **DO HEREBY** ordain and nominate **ANURAG HASSIJA** of P.O. Box 2019 Dar es salaam, to be our true and lawful **ATTORNEY** and Agent, with full power and authority, for us and in our names, and for our accounts and benefits to do any, or all the following acts in in the execution of Tender No. **PA/140/2021-2022/G/18** that is to say;

To act for the company and do any other thing or things incidental for **SUPPLY OF EMD EQUIPMENTS AND CONSUMABLES FOR MTWARA ZONAL, LIGULA AND MOROGORO RHH.**

AND provided always that this Power of Attorney shall not revoke or in any manner affect any future Power of Attorney given to any other person or persons for such other Power of Attorney or powers shall remain and be of the same force and effect as if this deed has not been executed.

AND We hereby undertake to ratify everything, which our attorney or any substitute or substitutes or agent or agents appointed by him under this power on his behalf hereinbefore contained shall do or purport to do in virtue of this Power of Attorney.

SEALED with the common seal of the said **ANUDHA LIMITED** and delivered in the presence of us this 24th day of November, 2021.

IN WITNESS WHEREOF we have signed this deed on the 24th day of November, 2021 at Dar es Salaam for and on behalf of **ANUDHA LIMITED**

SEALED with the Common Seal of **ANUDHA LIMITED** and **DELIVERED** at Dar es salaam in the presence of us this 24th day of November 2021



BEFORE ME

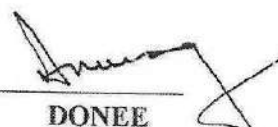
COMMISSIONER FOR OATHS



ACKNOWLEDGMENT

I, ANURAG HASSIJA, doth hereby acknowledge and accept to be Attorney of the said ANUDHA LIMITED under the terms and conditions contained in the POWER OF ATTORNEY and I promise to perform and discharge my duties as the lawfully appointed Attorney. I hereby accept the Special Power of Attorney conferred to me and I will act in good faith in honoring the powers so conferred to me.

SIGNED and DELIVERED at Dar es Salaam by the said ANURAG HASSIJA who is introduced/Identified to me by _____ the latter being known to me personally in my presence this 24th day of November 2021



DONEE

BEFORE ME:

Name:

Victor Mhoro

Signature:



Postal Address:

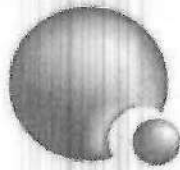
315 Dsm

Qualification:

COMMISSIONER FOR OATHS







anudha limited

TENDER SECURING DECLARATION

Date: 24th November, 2021
TENDER NO: PA-010/2021-22/G/38

To,
Executive Director
Ocean Road Cancer Institute
P.O Box 3592
Dar Es Salaam.

We, the undersigned, declare that:

We understand that, according to your conditions, tenders must be supported by a Tender Securing Declaration.

We accept that we will automatically be suspended from being eligible for tendering in any contract with the Procuring Entity for the period of time to be determined by the Authority, if we are in breach of our obligation(s) under the tender conditions, because we:

- (a) have withdrawn or modified our Tender during the period of tender validity specified in the Form of Tender;
- (b) Disagreement to arithmetical correction made to the tender price; or
- (c) having been notified of the acceptance of our Tender by the Procuring Entity during the period of tender validity, (i) failure to sign the contract if required by Procuring Entity to do so or (ii) fail or refuse to furnish the Performance Security or to comply with any other condition precedent to signing the contract specified in the tendering documents.

We understand this Tender Securing Declaration shall expire if we are not the successful Tenderer, upon the earlier of (i) our receipt of your notification to us of the name of the successful Tenderer; or (ii) twenty-eight days after the expiration of our Tender.

Signed: _____

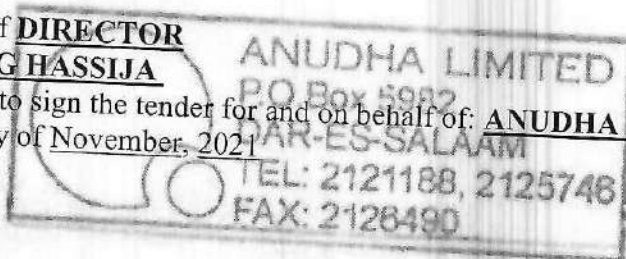
In the capacity of **DIRECTOR**

Name: **ANURAG HASSIJA**

Duly authorized to sign the tender for and on behalf of: **ANUDHA LIMITED**

Dated on 24th day of November, 2021

Corporate Seal



P. O. BOX 5982, DAR ES SALAAM, TANZANIA
Plot 2169/82 & 8170/82, Morogoro Road, Opp. DART-KISUTU Bus stand
Tel: +255 22 2125746/ 2121188/ 2122745/ 2122747/ 2122746; Fax: +255 22 2126490; Cell: +255 783 523 777
Email: sales@anudha.com, sales@anudha.com, anudha@ctvsatcom.net, service@anudha.com