



OFFICE OF THE CHIEF DISTRICT MEDICAL & PUBLIC
HEALTH OFFICER, KANDHAMAL
E-Mail: cdmophulbani@gmail.com,
Phone / Fax No- 06842-253249

No. 6491
DWH / 21 / MCH / 16-17

Phulbani

Dated 5/6 /2018

To

The Director,
I & PR Department, Govt. of Odisha
Lok Sampark Bhawan, Bhubaneswar
E-mail id: ipr.advt@gmail.com / iprenews@gmail.com

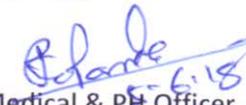
Sub: Publication of the advertisement related to supply & installation of Equipment, Instrument, Furniture & Linen Items to Kandhamal district.

Sir,

Please find here with a specimen copy of the advertisement related to **supply & installation of Equipment, Instrument, Furniture & Linen Items and MGPS to Kandhamal district** for Publication of the same in two nos. of daily news paper (One time) by **Dt.07.06.2018**.

This is for favour of your kind information and necessary action.

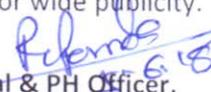
Yours faithfully,


Chief District Medical & PH Officer,
Kandhamal

Memo No. 6492 / DWH

Date: 5/6/2018

1. Copy to the DI & PRO, Kandhamal for information and necessary action.
2. Copy to the DIO, NIC, Kandhamal for information with a request to publish the same along with the enclosures (enclosed herewith) in the District website of Kandhamal district for wide publicity.


Chief District Medical & PH Officer,
Kandhamal

OFFICE OF THE CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER, KANDHAMAL

No. 6490 / DWH

Tender Call Notice

Date 5/6/2018

Sealed tenders are invited from authorized firms for **supply & installation of Equipment, Instrument, Furniture & Linen Items and MGPS (Medical Gas Pipeline System) to Kandhamal district**. The details are available in the district website: www.kandhamal.nic.in . The eligible bidders may submit their tender papers **on or before 22.06.2018 by 12 Noon** through Registered Post / Speed Post / Courier only to the undersigned. The **Technical Bid document will open on 23.06.2018 at 4 PM**. Who will qualify in the technical bid, their **Price Bid will be opened on 25.06.2018 at 4 PM** by the purchase committee in the office chamber of the undersigned. The undersigned reserves the right to accept or reject any or all the tender without assigning any reason thereof.

Sd/-

Chief District Medical & PH Officer, Kandhamal



CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER
KANDHAMAL

Tel: 06842-253385;
e-mail :cdmophulbani@gmail.com,

Tender Reference No. DWH/2018-19/6490

TENDER DOCUMENT
FOR
SUPPLY & INSTALLATION
OF
MEDICAL EQUIPMENTS, INSTRUMENT,
FURNITURE & LINEN ITEMS

Address for Correspondence- Office of the Chief District
Medical & Public Health Officer, Kandhamal
At/Po-Phulbani, Dist- Kandhamal, Odisha
Pin-762001

ABSTRACT OF CONTENTS IN THE TENDER PAPER

SI No	Content	Page No
1	Section-I Notice Inviting Tender	01
2	Section-II Important Instructions to be Noted Carefully by the Tenderers	02
3	Section-III Terms & Conditions for Supply & Installation of Medical Equipments, Instruments, Furniture & Linen Items	03-06
4	Annexure-I Check List	07
5	Annexure-II List of Items to be tendered	08-11
6	Annexure-III List of items quoted Format	12
7	Annexure-IV Price Bid Format	12
8	Annexure-V Declaration by Notary regarding Black Listed	13
9	Annexure-VI Authorization Letter from Manufacturer Unit	14
10	Annexure-VII Self Declaration regarding rate quoted	15
11	Annexure-VIII Self Declaration regarding binding of rate quoted	15
12	Annexure-IX Self Declaration regarding supply of items within stipulated time period	16
13	Annexure-X Declaration regarding minimum turn over	17
14	Annexure-XI Technical Specification of the items	18-53

OFFICE OF THE CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER, KANDHAMAL

SECTION -I

NOTICE INVITING TENDER

6490

Tender Reference No. : . DWH/2018-19/

Dated: 05.06.2018

TENDERS ARE INVITED FROM ELIGIBLE BIDDERS AS PER THE ELIGIBILITY CRITERIA FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENT, FURNITURES & LINEN ITEMS

1	Period of Availability of Tender Document	<p>From 07.06.2018 TO 22.06.2018 (Downloadable from website: www.kandhamal.nic.in) In case of any bid amendment and clarification, responsibility lies with the bidders to collect the same from the above mentioned website before last date of submission of tender document and the tender inviting authority shall have no responsibility for any delay / omission on part of the bidder.</p>
2	Last date & time for submission of Tender	<p>Date: 22.06.2018, Time: 12 Noon Address of Submission of Bid: OFFICE OF THE CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER, KANDHAMAL At/Po- Phulbani, Dist.- Kandhamal, Pin- 762001 (Through Speed post / Registered post / Courier)</p>
3	Date, time and place of opening of Tender	<p>A. Technical Bid (Cover-A): Opening - 23.06.2018 at 4.00 PM in the address mentioned above. B. Financial Bid (Cover B): Opening – 25.05.2018 at 4.00 PM in the address mentioned above. (Venue is mentioned at the address mentioned above) (Bidders / authorized representative may remain present at the time of opening of bid)</p>

SECTION -II

IMPORTANT INSTRUCTIONS TO BE NOTED CAREFULLY BY THE TENDERERS

1.	Mode of Procurement	Through Open Advertisement
2.	Purchaser	Chief District Medical & Public Health Officer, Kandhamal
3.	Consignee	DHH,SDH,AH,CHC etc of District Kandhamal
4.	Delivery Period	Within 30days from issue of the purchase order.
5.	Mode of Delivery	By Air / Road / Rail
6.	Guarantee / Warranty /CMC	<u>Comprehensive warranty</u> including all spares, maintenance etc. for a period 3(<i>three</i>) years from the date of installation & commissioning and 3(<i>three</i>) years CMC after warranty period.
7.	Tender Document Cost	Rs. 2,000/- : The tender document cost (Non-refundable) is to be submitted in the shape of bank draft in favour of the ZSS Non NRHM Fund, Kandhamal from any Nationalized / Scheduled Bank payable at Phulbani.
8.	Earnest Money Deposit (EMD) (The approx. no. of equipment is mentioned in the Schedule of requirement – Section IV)	<p>The bidder may quote for any or all the equipment by submitting the required EMD (Refundable) of Rs20,000/-.</p> <p>The Earnest Money Deposit will be paid in the shape of demand Draft only in favour of ZSS Non NRHM Fund, Kandhamal from any Nationalized / Scheduled Bank payable at Phulbani.</p> <p>EMD exemption is not permitted except to local SSI units registered in Odisha only as mentioned in Clause-4.3.</p>

SECTION -III

TERMS & CONDITIONS

Sealed tenders are invited from the eligible bidders as per the eligibility criteria for **supply & installation of Equipment, Instrument, Furniture & Linen Items** for the District, Kandhamal.

1. The bidders have to submit their tenders in separate sealed covers (i.e. **Cover "A"-Technical Bid & Cover "B"- Price Bid**). Both the covers should be put into a third **Cover "C"** which must be super-scribed as **"Tender for "Supply & installation of Equipment, Instrument, Furniture & Linen Items" and & Tender Reference No. _____**.

2. **The Cover "A" (Technical Bid) should contain as follows:**
 - 1) Checklist with details of the documents enclosed in **Cover "A"** (as per **Annexure - I**) with page number. The document should be *serially arranged* as per this **Annexure - I** and should be securely tied and bound.
 - 2) Manufacturing unit / supplier, who has been blacklisted either by the Tender inviting authority or by any state Govt. or Central Govt. organization, is not eligible to participate in the tender for that item during the period of blacklisting. They should submit a declaration about this by a **Notary Public**.
 - 3) EMD **Rs.20,000/-** (Rupees Twenty Thousand only - Refundable) in shape of Bank Draft / Bankers Cheque in favour of ZSS Non NRHM Fund, Kandhamal payable at Phulbani.
 - 4) Tender Paper Cost **Rs.2000/-** (Rupees Two Thousand only – Non-refundable) in shape of Bank Draft / Bankers Cheque in favour of ZSS Non NRHM Fund, Kandhamal payable at Phulbani.
 - 5) List of Item (s) Quoted individually in the prescribed format (**Annexure – II**).
 - 6) Copy of organization PAN.
 - 7) Copy of organization Income Tax Acknowledgement Report (**Assessment Year 2015-16, 2016-17, 2017-18**) and copy of the audited financial statement for the last three financial year i.e. 2014-15, 2015-16 & 2016-17.
 - 8) Photocopy of the GST registration certificate.
 - 9) The manufacturer / supplier should have 5 years market standing in supplying EIF to Govt./Corporate/PSU Hospitals in India. The copy of purchase order from the user should be furnished in support of the information provided in the market standing statement (item wise).
 - 10) Performance Statement during the last three years towards proof of supply of similar EIF to any Govt./Corporate/PSU Hospitals in India. The copy of certificate from the user should be furnished in support of the information provided in the performance statement (item wise).

- 11) Original Copy of Valid Manufacturing License of the manufacturer (s) / Import License by the Importer from the Original Equipment Manufacturer (OEM).
- 12) Copy of valid ISO Certificate.
- 13) Copy of valid ISI / CE / BIS / US FDA / IEC certificate.
- 14) All the tender documents should sign by the bidders at the bottom of each page with his official seal duly affixed.
- 15) Leaflet / Technical Brochures of the products / item offered.
- 16) They should quote the rates for individual items inclusive of excise duty, insurance, packing, forwarding, freight (door delivery) and exclusive GST (if any) and should submit a self declaration about this.
- 17) They must submit the undertaking that they will supply the stocks **within thirty days** after receipt of the Purchase Order from this office. In case of non-supply, the authority may allow extension for a **maximum period of 02 (two) weeks (14 days)** after the stipulated date of supply with a **penalty of 0.5% per week**, which will be deducted from the purchase order value as "**Liquidated Damage**".
- 18) If the supplier fails to complete the supply within the extended period, i.e. 44 days after being allowed by the purchaser, no further purchase order will be placed to the firm for the said item including forfeiture of the EMD and the concerned firm will be blacklisted for three (3) years from the date of issue of letter for the said item.
- 19) Violating the tender terms and conditions & non supply / supply which is not as per technical specification will disqualify the firm to participate in the tender for a period of three (3) years from the date of issue of letter and his E.M.D will be forfeited and no further purchase order will be placed to that firm for that item.
- 20) The supplier shall have a minimum turnover of Rs.1 (one) Crores or more in the last three year financial years i.e. 2014-15, 2015-16 & 2016-17 and copy of the audited financial statement for the last three financial year i.e. 2014-15, 2015-16 & 2016-17.

3. General Condition:

- 1) Eligible bidders should submit their tender documents to the CDM&PHO Kandhamal through **Speed Post / Registered Post / Courier only on or before 22.06.2018 by 12 Noon.**
- 2) Any tender documents received after the due date & time will be rejected and returned to the sender unopened.
- 3) Violating the tender terms and conditions & non-supply / partially supply / supply, which is not as per technical specification, will declared as **Blacklisted** and disqualify the firm to participate in

any tender of this district for a period of next 03 (three) years from the date of issue of the letter and his E.M.D. will be forfeited.

- 4) Tenders documents should be typewritten or computerized, failing which the bidders will be ineligible for consideration. No further correction will be allowed.

4. Conditions Applicable to LOCAL MSEs / SSI OF ODISHA:

The MSE / SSI Units of the State of Odisha will be given the following preferences in the tenders provided they produce the following documents as per MSME Development Policy-2009 and IRP - 2007:

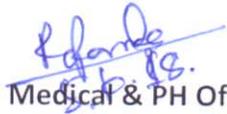
- 1) Attested copy of valid manufacturing licence.
- 2) P.M.T Certificate from the Director of Industries, Odisha or General Manager District Industries Centre that it is a MSE / SSI Units of the State of Odisha, provided that MSE / SSI units has not been derecognised by the Govt. for that specified period.
- 3) Local MSEs registered with respective DICs, Khadi, Village, Cottage and Handicraft Industries, OSIC, NSIC shall be exempted from payment of earnest money.
- 4) All other terms & conditions are applicable to the Small Scale Industry Units of the State of Odisha.

5. The Cover "B" (Price Bid) should contain as follows:

- 1) Financial Bid must be submitted in the prescribed format as attached in **Annexure- IV**. No other document should be enclosed in the Financial Bid. The Financial Bid should be sent in a separate sealed cover called **Cover "B" (Price Bid)**.
- 2) The rates should be computerized.
- 3) The price quoted by the tenderers shall not in any case, exceed the controlled price, if any, fixed by the Central / State Government / DGS&D and the Maximum Retail Price (MRP). The purchaser, at his discretion, will in such case, exercise the right of revising the price at any stage so as to confirm to the controlled price or MRP as the case may be deleted.
- 4) The rate quoted and accepted will be binding on the tenderer for a period of **one year** from the date of approval of the rate contract and on no account, any increase in the price will be entertained till the completion of this tender period.
- 5) If there is difference between figures & words, words will be taken into consideration.

The last date for submission of the tender documents is fixed on **22.06.2018 by 12 Noon**. The Technical Bid will be opened on **23.06.2018 at 4.00 PM** by the purchase committee.

The undersigned reserves the right to reject or cancel any or all the tenders without assigning any reason thereof.


Chief District Medical & PH Officer
Kandhamal

CHECK LIST

Sl. No.	List of Tender Documents Submitted	Yes	No	Page No.
1	Cover "A"-Technical Bid			-
2	Cover "B"- Price Bid			-
3	EMD Rs.20,000/- (Rupees Twenty Thousand only - Refundable) in shape of Bank Draft / Bankers Cheque in favour of ZSS Non NRHM Fund, Kandhamal payable at Phulbani.			
4	Tender Paper Cost Rs.2000/- (Rupees Two Thousand only – Non-refundable) in shape of Bank Draft / Bankers Cheque in favour of ZSS Non NRHM Fund, Kandhamal payable at Phulbani.			
5	List of Item (s) Quoted in the prescribed format (Annexure – III)			
6	Self attested photocopy of organization PAN.			
7	Self attested photocopy of organization Income Tax Acknowledgement Report (Assessment Year 2015-16, 2016-17, 2017-18) and copy of the audited financial statement for the last three financial year i.e. 2014-15, 2015-16 & 2016-17.			
8	Self attested photocopy of the GST registration certificate.			
9	Self attested photocopy regarding 5 years market standing in supplying above items to Govt./Corporate/PSU Hospitals in India.			
10	Performance Statement during the last three years towards proof of supply of similar EIF to any Govt./Corporate/PSU Hospitals in India. The copy of certificate from the user should be furnished in support of the information provided in the performance statement (item wise).			
11	Self attested photocopy of valid ISO certificate.			
12	Self attested photocopy of valid ISI / CE / BIS / US FDA / IEC certificate.			
13	All the tender documents should sign by the bidders at the bottom of each page with his official seal duly affixed.			
14	Leaflet / Technical Brochures of the products / item offered.			
15	Declaration by Notary Public regarding blacklisted of Manufacturer / supplier either by the Tender inviting authority or by any state Govt. or Central Govt. organization as per Annexure-V .			
16	Original copy of Valid Manufacturing License of the manufacturer (s) / Import License by the Importer from the Original Equipment Manufacturer (OEM) as per Annexure-VI .			
17	Self Declaration regarding quote the rates for individual items inclusive of excise duty, insurance, packing, forwarding, freight (door delivery) and exclusive of GST charges (if any) as per Annexure-VII .			
18	Self Declaration regarding the rate quoted and accepted will be binding on the tenderer for a period of one year from the date of approval of the rate contract and on no account, any increase in the price will be entertained till the completion of this tender period as per Annexure-VIII .			
19	Undertaking regarding they will supply the stocks within thirty days after receipt of the Purchase Order from this office as per Annexure-IX .			
20	Declaration regarding the supplier shall have a minimum turnover of Rs.1 (one) Crores or more in the last three year financial years i.e. 2014-15, 2015-16 & 2016-17 as per Annexure-X . The bidders shall submit the audited financial statement for the last financial year i.e. 2014-15, 2015-16 & 2016-17 for verification of turnover.			

TENDER ITEMS

Sl. No.	Name of the Items
1	0.5% Chlorine solution and a tub; 1 lit. mug spoon
2	Abdominal sheets for OT
3	Adult Weighing scale (Digital)
4	Adult Weighing scale (Manual)
5	Allies forcep
6	Ambu Bag (240ml)
7	Anterior vaginal wall retractor
8	Artery forceps
9	Auto clave (Single bin)
10	B.P. Instrument (Aneroid) with different size of cuff
11	B.P. Instrument (Digital) with different size of cuff
12	Baby Weighing scale (Digital)
13	Baby Weighing scale (Manual)
14	Basin Assorted (SS)
15	Bed Pan (SS)* Filter
16	Bedsheets
17	Bedside screen with stand (three fold)
18	Bedspreads
19	Blood Lancet
20	Bowl for antiseptic lotion
21	Bucket and Kelly's pad
22	Colour Coded bin
23	Digital Watch / Time device
24	Doctor's overcoat
25	Draw sheet
26	Dressing Drum
27	Embracenest Warmer
28	Endotracheal intubation tubes*
29	Episiotomy scissor
30	Examination Table
31	Foot Step (Double)
32	Glucometer
33	Glucometer Test Strips (As per the make & modle of Glucometer)
34	Haemoglobinometer
35	Height measuring chart (feet/cm)
36	Hospital Bed
37	Hospital worker ot coat
38	Hub cutter (Electrical)
39	Hub cutter (Manual)
40	Inch Tape
41	Instrument Steriliser S.S (medium)

42	Instrument Tray (SS) Assorted
43	Iyers Spatula
44	Janani Stretcher
45	Kelly's Pad
46	Kidney Tray (SS) - Assorted
47	Kocher's forcep
48	leggings
49	Mackin tosh sheet (in meters)
50	Mattress (Adult)
51	Measuring tape
52	MUAC Tape
53	MVA aspiration syringe (60 ml)
54	Nasal Preng
55	Needle cutter and melter
56	Needle holder
57	Newborn Thermometer
58	o2 Cylinder Trolley (SS)
59	o2 Cylinder with spanner ward type
60	Patients house coat (for female)
61	Patna towels
62	Pereneal sheets for OT
63	Pillows
64	Pillows covers
65	PPIUCD Insertion Forceps
66	Revolving Stool
67	Ringle Forcep
68	Saline Stand SS
69	Scissor
70	Speculum cusco large
71	Speculum cusco Medium
72	Speculum cusco Small
73	Speculum Sim Vaginal
74	Speculum Sims large
75	Speculum sims Medium
76	Speculum sims Small
77	Sponge holding forceps
78	Stadiometer
79	Steriliser drum (medium)
80	Stethoscope
81	Stich cutter
82	Suction Machine (Foot Operater)
83	Surgical Bin Assorted
84	Thermometer (Digital)
85	Thermometer (Digital) (low reading)

86	Tongue Depressor
87	Tongue Depressor(non magnetic)
88	Toothed forceps
89	Uristix
90	Uterine Sound
91	Viginal wall retractor
92	Waste Disposal - Trolley (SS)

Aufande
5.06.18

Annexure- III

LIST OF ITEMS QUOTED

Sl. No.	Tender Quoted Sl. No.	Name of the Item (As per Annexure-II)	Manufacture Name	Make	Model Name	Specification submitted by the Bidders (mention details)

Signature of the Bidder with seal

Annexure- IV

PRICE BID

Sl. No.	Name of the Item	Make & Model	Unit Price with all accessories (as per Tender Clause No.-2.17) (both in words and figures)

Signature of the Bidder with seal

DECLARATION

(Filled by the Notary)

I / We _____ do hereby declare that I / We have **not been de-recognized / black listed** by the Tender inviting authority or by any state Govt. or Central Govt. organization for supply of **Not of Standard Quality Items / non-supply**.

I / We agreed that the Tender Inviting Authority can forfeit the Earnest Money Deposit and blacklist me / us for a period of 3 years if, any information furnished by me / us proved to be false at the time of inspection / verification and not complying with the Tender terms & conditions.

Seal & Signature of the Notary

MANUFACTURER'S AUTHORISATION FORM

*(to be submitted by authorized distributor/importers in a **letterhead** in case the bidder is the authorized distributor/importer of OEM)*

No.

Dated:

To

**The Chief District Medical & Public Health Officer,
Kandhamal, Phulbani, Odisha**

Dear Sir / Madam,

Bid Reference No. :

Equipment Name :

We (name of the OEM) are the original manufacturers of the above equipment having registered office at (full address with telephone number/fax number & email ID and website), having factories at _____ and _____, do hereby authorize M/s. _____ (Name and address of bidder) as _____ (Importer / Distributor) to submit bids, and subsequently negotiate and sign the contract with you against the above bid no..

No company or firm or individual other than M/s. _____ are authorized to bid, negotiate and conclude the contract in regard to this business against this specific bid reference no.

We also hereby undertake to provide full guarantee/warranty /CMC/AMC as agreed by the bidder in the event the bidder is changed as the dealers or the bidder fails to provide satisfactory after sales and service during such period of Comprehensive warranty/CMC/AMC and to supply all the spares/reagents / consumables for 6 years.

We also hereby declare that we have the capacity to manufacture and supply, install and commission the quantity of the equipments bided within the stipulated time.

(Name)

for and on behalf of M/s. _____

(Name of manufacturers)

Date:

Place:

Seal

Note: *This letter of authority should be on the letterhead of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer.*

DECLARATION

(Filled by the Bidder)

I / We _____ do hereby declare that I / We have quoted the rates for individual item inclusive of excise duty, insurance, packing, forwarding, freight & door delivery and exclusive GST (if any).

Signature of the Bidder with seal

DECLARATION

(Filled by the Bidder)

I / We _____ do hereby declare that the rate quoted and accepted will be binding on the tenderer for a period of **one year** from the date of approval of the rate contract and on no account, any increase in the price will be entertained till the completion of this tender period, otherwise the Tender Inviting Authority can **forfeit the Earnest Money Deposit and blacklist me / us for a period of next 3 years.**

Signature of the Bidder with seal

DECLARATION

(Filled by the Bidder)

I / We _____ do hereby declare that I / We supply the stocks **within 30 days** after receipt of the Purchase Order from the Tender Inviting Authority. In case of non-supply within the stipulated time period, the tender inviting authority may please be allowed extension for a **maximum period of 02 (two) weeks (14 days)** after the stipulated date of supply with a **penalty of 0.5% per week**, which will be deducted from the purchase order value as "**Liquidated Damage**".

I / We agreed that the Tender Inviting Authority can **forfeit the Earnest Money Deposit and blacklist me / us for a period of next 3 years for non-supply / part supply** of the stocks within the time period.

Signature of the Bidder with seal

ANNUAL AVERAGE TURN OVER STATEMENT
(To be furnished in the letter head of the Chartered Accountant)

The Annual Turnover of M/s _____ for the last 3 financial years are given below and certified that the statement is true and correct.

Sl. No.	Financial Year	Turnover in Crore (Rs.)
1	2014-15	
2	2015-16	
3	2016-17	
Average Annual Turnover in Crore (Rs.)		

Date:

Signature of Chartered Accountant

Place:

(Name in Capital)

Seal Membership No.-

Note:

- 1) To be issued in the letter head of the Chartered Accountant with membership No.
- 2) Also attach photocopies of the audited P/L account of each year highlighting the turnover in support of that.

TECHNICAL SPECIFICATION OF THE ITEMS

0.5% Chlorine solution and a tub; 1 lit. mug spoon

Abdominal Sheets for OT

Adult Weighing Scale (Digital)

Adult Weighing Scale (Manual)

Sturdy **dial type mechanical** platform weighing machine for adult and children.

Zero adjustment facility should be there.

Sensitivity: 500 gm

Range of weighing: 0-120kg

The manufacturer shall have the valid manufacturing license and should have model approval by the legal metrological Deptt. and the weighing scale must be stamped by the by legal metrological Deptt. In case of distributor, the bidder should have valid distributor and repair license from legal metrological Deptt., Govt. of Odisha.

ISO 9001 certified manufacturer (certificate to be submitted). Warranty: 1 Year

Allis Tissue Forceps medium (Non-traumatic 12) (12cm)

Allis Forceps- Allis tissue forceps medium-(Non-traumatic 12)12cm

Ambu Bag (240ml)

GMDN name:-Manual pulmonary resuscitator, reusable

GENERAL USE

1.

1.1 Clinical purpose: -

To provide or assist ventilation in a patient who is apnoeic or exhibits inadequate respiration through manual pulmonar-driven pressure cycle functions.

1.1 Used by clinical department/ward-

It is used in ambulances, intensive care units (ICU), during internal patient transfer, accident and emergency (A&E), and mass casualty incidents (MCI).

TECHNICAL

2. TECHNICAL CHARACTERISTICS

2.1 Technical characteristics:-

1. Manual resuscitator with transparent face-mask
2. Child models (250ml bag capacity);
3. Standard 15/22 mm Swivel connector allows connections to all common masks Endo-tracheal Tubes;
4. Provision to give supplemented oxygen-by-oxygen reservoir providing 100% oxygen;
5. Non-re breathing valve enabling the patient to inspire oxygen from the reservoir bag.
6. Should be single hand opera table
7. Should be easy to dissemble for cleaning and disinfection
8. Should have pressure release valve at 40cm H₂O
9. Should have silicone oxygen tube 2m length.
10. It should be upto 40 times autoclavable including bag and washers.
11. The bag should be made of soft silicone material.
12. Self Inflating Resuscitator bag should be of medical grade silicone rubber.
13. The reservoir should be a PVC bag of 600ml capacity for 250ml

2.2 Settings: NA

2.3 User's interface-manual

2.4 Software and/or standard of communication (where ever required)-NA

3 PHYSICAL CHARACTERISTICS

3.1 Dimensions (metric)-Handheld

3.2 Weight (lbs, kg)-light enough to be operated by hand/palm for long duration

3.3 Configuration-NA

3.4 Noise (in dBA), heat dissipation-NA

3.5 Mobility, portability-Handheld

3.6 Others- NA

4. ENERGY SOURCE (electricity, UPS, solar, gas, water, CO2)

4.1 Power Requirements-NA

4.2 Battery operated-NA

4.3 Tolerance (to variations, shutdowns)-NA

4.4 Protection-NA

4.5 Power consumption-NA

4.6 Other energy supplies-NA

5. ACCESSORIES SPARE PARTS, CONSUMABLES

5.1 Accessories (mandatory):-

Silicon bellows, Non Rebreathing Valve, 2 meter oxygen tube, Guedel Airway sizes viz 0 and 1,

5.2 Spare parts (main ones)-Oxygen Reservoir bag

5.3 Consumables / reagents (open, closed system)-Neonatal Mask of 3 sizes viz 00, 0 and 1

6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS

6.1 Atmosphere / Ambiance (air conditioning, humidity, dust ...)-

Operating condition: -Capable of operating continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90% in ideal circumstances. An ambient air velocity is less than 0.3 m/s.

6.2 User's care, Cleaning, Disinfection & Sterility issues:-Complete unit to be easily washable and

7. STANDARDS AND SAFETY

7.1 Certificates (pre-market, sanitary, ..);Performance and safety standards (specific to the device type);

Local and/or international-

ISO 13485; Manufacturer / supplier should have ISO certificate for quality standard. Should be USFDA / CE (From notified body) approved product or BIS certified should meet ISO 10651-4 standard requirement

8. TRAINING AND INSTALLATION

8.1 Pre-installation requirements: nature, values, quality, tolerance-Supplier to perform installation, safety and operation checks before handover.

8.2 Requirements for sign-off-Certificate of Calibration and inspection from the factory.

8.3 Training of staff (medical, paramedical, technicians)-Training of users in operation and basic maintenance shall be provided

9. WARRANTY AND MAINTENANCE

9.1 Warranty-1 year.

9.2 Maintenance tasks -Maintenance manual detailing complete maintaining schedule

9.3 Service contract clauses, including prices-

9.4 Others-

10. DOCUMENTATION

10.1 Operating manuals, service manuals, other manuals-Required

10.2 Other accompanying documents-Demonstration CDs

10.3 Recommendations for maintenance-NA

11. NOTES

11.1 Service Support Contact details (Hierarchy Wise; including a toll free/landline number)-NA

11.2 Recommendations or warnings-NA

Anterior Vaginal Wall Retractor

Artery forceps

Artery Forceps- Straight artery forceps small-12cm

Autoclave Hp Vertical (Single Bin)

1.1 .clinical purpose

An airtight vessel for heating and sometimes agitating its contents under high steam pressure; used for industrial processing, sterilizing, and cooking with moist or dry heat at high temperatures.

1.2.used by clinical department/ward: Operation theatre

Technical

2 Technical Characteristics

2.1. Technical characteristics (specific to this type of device)

- High Grade strong stainless steel, double walled construction.
- Positive radial self-locking safety doors.
- Hydrostatically tested to withstand 2.5 times the working pressure.
- Sealed with Neoprene/Silicon long-lasting and durable gasket.
- Outer jacket insulated to prevent heat loss; with a high grade insulation material
- Mounted on 304 stainless steel frame with ground levelling flanges.
- Temperature and pressure cut-off device.
- Auto cut-off at low water level
- Rust-proof 304 grade stainless steel.
- Cylindrical construction.
- Equipment should have separate steam release valve and drainage system.
- Minimum of two safety valves with auto-release at 16 and 20.
- Chamber working pressure should be 1.1 to 1.2 Kg/cm sq (15-18PSI) with working temperature of 121°C & 135°C
- Safety Devices: Pressure Switch, Safety valves Vacuum breaker, Low Water Level Cut –Off

2.2 user's interface:Manual

2.3.Software and/ or standard of communication(where ever required):NA

3 physical characteristics

3.1 Dimensions (metric): NA

3.2.Weight (lbs, kg): NA

3.3.capacity: 40liter

3.4.noise (in dba):NA

3.5 Heat dissipation: NA

3.6. Mobility, portability: Portable

4 energy Source: (electricity)

4.1. Power requirements: Recharging unit: Input voltage- single

4.2 batteries operated: No

4.3 .tolerance (to variations, shutdowns) :±10%

4.4. Pressure gauge:0-2.1Kgf/cm²

4.5. Operating pressure: from 15-20 psi

4.6. Sterilizing pressure: 1.2Kgf/cm(15 psi) at 121°C

4.7. Protection: Should have over-charging cut-of with visual symbol.

4.8. Power consumption: 4-6KW

5 accessories, Spare parts, consumables

5.1.accessories (mandatory, standard, optional); Spare parts (main ones); consumables / reagents (open, closed system) :

1. Automatic Pressure Control Switch -2 no.
2. Automatic Water Cut-of Device -2 no.
3. Micro Processor PID Controller with Timer & Auto Stop Facility
4. Digital Pressure Indicator-2 no.
5. Perforate basket(rust-free stainless steel)
6. Cord-plug-4 no.
7. Biological and chemical indicators-1 set

6 environmental and Departmental considerations

6.1.atmosphere / ambiance (air conditioning, humidity, dust ...)

1) Operating condition: Capable of operating continuously in ambient temperature of 10 to 50 deg C and relative humidity of 15 to 90% in ideal circumstances.

2) Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%.

6.2.user's care, cleaning, Disinfection & Sterility issues

- 1) **Disinfection:** Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover.
- 2) Sterilization not required.

7 Standards and Safety

7.1. certificates (pre- market, sanitary, ..); performance and safety standards (specific to the device type);local and/or international

1. Should be USFDA/CE /BIS approved product.
2. Manufacturer and Supplier should have ISO 13485 certification for quality standards.
3. Electrical safety conforms to the standards for electrical safety IEC 60601-General requirements (or equivalent BIS Standard)
4. Shall meet internationally recognised for Electromagnetic Compatibility (EMC) for electro medical equipment: 61326-1.
5. Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety.
6. Pressure test certificate from a NABL lab.
7. Steel grade certificate of 304 from a NABL Lab.

7.2. Local and/or international Manufacturer / supplier should have ISO certificate for quality standard.

8 training and installation

8.1.Pre-installation requirements: nature, values, quality, tolerance

- 1) Availability of 5 amp socket;
- 2) Safety and operation check before handover;

8.2. Requirements for sign- of: Certificate of calibration and inspection from the manufacturer

8.3. Training of staff (medical, paramedical, technicians)

- 1) Training of users on operation and basic maintenance;
- 2) Advanced maintenance tasks required shall be

9 Warranty and maintenance

9.1. Warranty: 3 years

9.2. Maintenance tasks

- 1) Maintenance manual detailing;
- 2) Complete maintenance schedule;

9.3. Service contract clauses, including prices

The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee / warranty period should be attached; 10 Documentation

10.1. Operating manuals, service manuals, other manuals

Should provide 2 sets(hardcopy and soft-copy) of:-

- 1) User, technical and maintenance manuals to be supplied in English/ Hindi language along with machine diagrams;
- 2) List of equipment and procedures required for local calibration and routine maintenance;
- 3) Service and operation manuals (original and copy) to be provided;
- 4) Advanced maintenance tasks documentation;
- 5) Certificate of calibration and inspection

10.2. Other accompanying documents

List of important spares and accessories, with their part numbers and cost;

11 notes

11.1. Service Support contact details (Hierarchy Wise; including a toll free/ landline number)

Contact details of manufacturer, supplier and local service agent to be provided; Any Contract (AMC/CMC/add-hoc) to be declared by the manufacturer;

11.2. Recommendations or warnings

Any warning signs would be adequately displayed

Quality Standards For All hospital Furniture

- Manufacturer should be ISO 9001 certified.
- Should have ISO14001- for Environment friendly features.
- Should have OSHAS 18001for occupational health safety management
- Product must be CE/BIS/BIFMA certified.
- Should furnish stainless steel grade certificate from Govt/Govt. approved testing laboratory.

Manufacture should produce test certificate from Govt/Govt. approved laboratory for test procedure like impact test, bend test, salt spray chamber test, epoxy powder coating & phosphate coating for quoted item

B.P. Instrument Aneroid with cuffs (Adult / Infant / Neonate)

PRODUCT & MANUFACTURER QUALITY STANDARDS:

Manufacturer should be ISO 13485 certified.

Model should be USFDA or European CE approved product. CE certificate must be issued by notified body. Shock proof certificate or test report should be furnished from the original manufacturer.

TECHNICAL SPECIFICATION:

Corrosion resistant with shock proof body, chrome plated metal/ stainless steel /ABS body with pressure control valve, scale 0 to 300 mm hg with accuracy of +/- 3mmHg.

2. Air release at closed lap with maximum 4mmHg/Minute.

Manual setting of deflation possible upto 2/3mm Hg/sec. From 260mmHg to 15mm Hg in a maximum deflation time of 10 seconds.

Graduated scale for ever/ 2mmHg, every 10 units and every 20 units.

Nylon straps cuff with pouch, latex bulb with completely chromium plated valve with regulation of vent-hole air by screw valve.

Should have latex free arm cuff and should be from same manufacturer of the BP instrument.

User's interface-manual

PHYSICAL CHARACTERISTICS

Dimensions (metric)-The rubber tubes used should have an internal diameter of 3 ± 0.5 mm and the external diameter should not be less than 8mm; The dial manometer with diameter of 50 mm to 60mm

Mobility, portability-Yes

ACCESSORIES, SPARE PARTS, CONSUMABLES

Accessories (mandatory, standard, optional)- Arm cuffs of size (Adult, Infant, Neonate) with inflation bulb and tubing (Cost of each size of cuff must be furnished separately in the pdf file (Format-B) of financial bid.)

B.P. Instrument Digital with cuffs (Adult / Infant / Neonate)

Baby tray

Baby Weighing Machine (Manual / Digital)

1.1. Clinical purpose -To measure body mass of the neonate

1.2 Used by clinical department/ward-NICU/SNCU

TECHNICAL

2. TECHNICAL CHARACTERISTICS

2.1 Technical characteristics (specific to this type of device)-

1. Table top, light and portable,
2. Built in rechargeable battery,
3. Easy to clean baby tray (acrylic),
4. Zero weight adjustment facility,
5. Quick, clear digital read outs,
6. Measurement does not change with position of baby on the pan;
7. Provision to measure the height of the baby in its laying position.
8. Accuracy: 5g, resolution: 1g, limit: 10gm ~ 15kg

2.2 Settings-Auto setting to 0.00 once a the machine is switched on or when no external weight has been put on

2.3 User's interface-LCD display

2.4 Software and/or standard of communication (where ever required)-in built

3. PHYSICAL CHARACTERISTICS

3.1 Dimensions (metric)-Base: 300mm x 265mm x 85mm, Pan: 510mm x 300mm x 85mm

3.2 Weight (lbs, kg)-NA

3.3 Configuration-N.A.

3.4 Noise (in dBA)-N.A.

3.5 Heat dissipation-NA

3.6 Mobility, portability-portable

4. ENERGY SOURCE (electricity, UPS, solar, gas, water, CO2)

4.1 Power Requirements-230 V AC,

4.2 Battery operated-6V, one hour backup

4.3 Tolerance (to variations, shutdowns)-NA

- 4.4 Protection-NA
- 4.5 Power consumption-NA
- 4.6 Other energy supplies-NA

5. ACCESSORIES, SPARE PARTS, CONSUMABLES

- 5.1 Accessories (mandatory, standard, optional)-NA
- 5.2 Spare parts (main ones)-NA
- 5.3 Consumables / reagents (open, closed system)-NA

6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS

6.1 Atmosphere / Ambiance (air conditioning, humidity, dust ...)-

Operating condition:

Capable of operating continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90% in ideal circumstances. An ambient air velocity less than 0.3 m/s.

- 6.2 User's care, Cleaning, Disinfection & Sterility issues-Complete unit to be easily washed and disinfected using both alcohol and chlorine agents.

7. STANDARDS AND SAFETY

7.1 Certificates (pre-market, sanitary, ..); Performance and safety standards (specific to the device type);

Local and/or international-

The Scale should be as per BIS specifications. The scale should have ISI mark ie IS: 2489 Or CE/FDA certified. Should have model approval from Legal Metrology Dept., Govt. of India. The manufacturer shall have the valid license and should have model approval by the legal metrological Deptt. and the weighing scale must be stamped by the by legal metrological Deptt. In case of distributor, the bidder should have valid distributor and repair license from legal metrological Deptt., Govt. of Odisha.

8. TRAINING AND INSTALLATION

- 8.1 Pre-installation requirements: nature, values, quality, tolerance-NA
- 8.2 Requirements for sign-off-NA
- 8.3 Training of staff (medical, paramedical, technicians)-NA

9. WARRANTY AND MAINTENANCE

- 9.1 Warranty-one year
- 9.2 Maintenance tasks- calibration schedule to be provided
- 9.3 Service contract clauses, including prices-Any Contract (AMC/MC/add-hoc) to be declared by the manufacturer

10. DOCUMENTATION

- 10.1 Operating manuals, service manuals, other manuals-NA
- 10.2 Other accompanying documents-NA
- 10.3 Recommendations for maintenance-Cautionary Note: Do not press the weighing pan with your hand. It could damage the load cell system in the weighing machine
- 10.4 Others-

11. NOTES

- 11.1 Service Support Contact details (Hierarchy Wise; including a toll free/landline number)-Any Contract (AMC/MC/add-hoc) to be declared by the manufacturer
- 11.2 Recommendations or warnings-Any Contract (AMC/MC/add-hoc) to be declared by the manufacturer

Basin Assorted (SS)

Bed Pan (SS)* Filter

Bed Sheet

length=230cm including stitching, width=150cm
(cotton, White / Color, Bleached, both side stitching, ISI 175:1989 (Reaffirmed 2001, variety No.4)

Bedside Screen with stand (three fold)

- 3 folding partitions - 6 feet high and 6 feet long when opened
- Tubular frame (CRCA tubular) mounted on 5cms high quality corrosion free castors with fine quality fire resistance curtains.
- Pre-Treated and Epoxy Powder coated.
- Colour: Green
- Castors: twin castors \varnothing 50 mm and lockable

Bed Spreads

Bowl for antiseptic lotion

Bucket and Kelly's Pad

Colour Coded bin

- Single Bin (Black/ Yellow) Mobile Waste bin: Capacity 40-50 litre
- Single Bin (Black/ Yellow) Mobile Waste bin: Capacity 20-30 litre
- Two Bin System (Red & Blue) Mobile Waste bin: Capacity 40-50 litre
- Two Bin System (Red & Blue) Mobile Waste bin: Capacity 20-30 litre
- Three Bin System (Red, Blue & Yellow) Mobile Waste bin Capacity 40-50 litre
- Must be fitted with locking casters
- Easy foot operated lids
- ISO certification is essential for the above mentioned items.

All the bins will be printed with bio hazard symbol and the specified messages in pictorial form (symbol of the waste articles) must be printed on the body of the bins and top of lids

Digital Watch / Time Device

Doctor's overcoat

Draw sheet

Dressing Drum

Embracenet Warmer

Endotracheal intubation tubes*

Episiotomy Scissor

Examination Table

- Overall approx size: 1820 mm L x 570mm W x 820mm H (L x W x H) \pm 20mm
- Two section with two fold Cushion top of 3" mm thickness made of 40density PU foam
- Tubular construction, machine pressed double bend mild steel sheet
- Headrest adjusted on ratchet
- Legs fixed with rubber feet.
- Pre-treated and epoxy powder coated
- Patient load bearing capacity of 130 kgs minimum.

Foot Step (Double)

The step stools shall have a maximum load capacity of 150 kg.

Stainless steel frame shall be made of square /round steel tubing 20 x 20 mm.

Should be double-step type with step heights of are 200 and 400 mm(+/-10mm) respectively.

It should be provided with slip-resistant steps are made of black moulded polyurethane (PU) coated foam plates of minimum 15mm thickness.

Overall dimension: 590x410x200/400 mm.

Glucometer

Glucometer test strips

Glucometer lancets

Hand Dryer

Haemoglobinometer

Height measuring chart (feet/cm)

Hospital Bed

Quality standards

- Manufacturer should be ISO 9001 certified.
- Should have ISO14001- for Environment friendly features.
- Should have ISO18001for occupational health safety management
- Product must be CE/BIS/BIFMA certified.
- Should furnish stainless steel grade certificate from Govt/Govt. approved testing laboratory.
- Manufacture should produce test certificate from Govt/Govt. approved laboratory for test procedure like impact test, bend test, salt spray chamber test, epoxy powder coating & phosphate coating for quoted item

Technical Specification:

- Bed Frame size should be of minimum diagnosis:1975(L) X 900(W) X 600(H)mm
- Tubular Bows (outer pipe) made of 30mm x 18 G CR ERW pipe.
- Top made of rectangular/square frame of 50 x 30 x 16 SWG M.S tube.
- Bed top of 18 G MS CRCA ribbed perforated Sheet.
- Provision for IV attachment system (No bend hook) at the both head side of the bed.
- All metallic parts of the bed should be pre-treated to achieve rust free clean surface prior.

Hospital Worker OT Coat

Hub Cutter (Electrical)

Hub Cutter (Manual)

Inch Tape

Instrument Steriliser S.S (medium)

Instrument Tray (SS) Assorted

Lyers Spatula

Janani Stretcher

- Should be CE, BHBIFMA and BIS approved model.
- Manufacturer should have ISO: 9001 certification for quality management standard.
- Manufacturer should have ISO: 14001 certification for environmental management system.
- Manufacturer should have BS-OHSAS: 18001 certification for occupational health & safety management.
- Manufacturer should furnish stain steel grade certification from Government approved testing laboratory.
- Manufacturer should produce test certificate from Govt. approved laboratory for test procedure like impact test, bend test, salt spray chamber test, epoxy powder coating and phosphate coating for quoted item.

Technical Specification:

- Overall approx. size 2030 x 560 x 150 mm (L X W X H)
- Minimum weight bearing capacity: 135 kg
- Make: Stainless Steel, grade- 304
- Type of Stretcher: Fixed.
- Tubular Bows (outer pipe) made of 30mm x 18 G CR ERW pipe.
- Tubular stainless steel frame with non-slippery soft grip at both end of the tubular handle bar for carrying the patient.
- Ground clearance height: 8 inch
- Legs: 6 nos.
- Side support: Both side (Length 1 -1.5 ft)
- Four rings should at lateral part of the rod, by which material used for hand rail purpose will be soft to carry the stretcher on shoulder, if it is necessary.
- Two supporting plate should be in the middle part of the stretcher.
- Two Safety belts will be provided one at the Sternum position and other one at the thigh bone/femoral bone.
- 30 to 40 degree inclination for back rest of the patient which is to be adjustable.
- The materials for carrying the patient will be made out of Rexene which is easy to clean, water proof and adaptable to the patient.
- Material used for hand rail purpose should be soft to carry the stretcher on the shoulder, if necessary.
- All metal parts should be pre-treated and powder coated.

Kelly's Pad

Kidney Tray (Size-6" x 3" x 2"), thickness- 0.5mm

Kidney Tray: Made of S.S. of 304 grade with minimum of 0.5mm thicjness.Size:6"x3"x 2" approximate

Kocher's forcep

Leggings

-10-

Makintosh sheet (in meters)

Mattress (Adult)

Should be made from polyurethane foam of density minimum 40kg/m³.

Overall size: 200 (L) x 90 (W) x 10(H)cms.

Should be made of waterproof, breathable fabric separated by zip on three sides with lower cover part made of Rexene. Mattress cover should be fire resistant and resist liquid ingress.

Bed cover should be removable and washable.

Manufacturer of PU foam should comply to IS 7933 standard.

Measuring Tape

MUAC Tape

MVA Syringe 60cc - 1 no. (Autoclavable), Double valve MVA syringe, Vacuum range- 24-26 inch, The valve should be made of silicon

MVA Syringe 60CC : 1 no (Autoclavable)

Double valve MVA syringe

Vacuum range-24-26 inch

The valve should be made of Silicon

Nasal Preng

Needle Cutter and Melter

Needle Holder

Newborn thermometer

O₂ Cylinder Trolley (SS)

Frame of the cylinder trolley is made with hi-grade MS tubular steel.

Framework of the cylinder trolley mounted on two 10cm wheels.

Finish in epoxy powder coated.

For small (40cft) Oxygen Cylinder.

Mounted on 100 / 150 mm diameter castor for mobility.

Pre-treated and Epoxy Powder Coating for Scratch proof Finish.

o₂ Cylinder with spanner ward type

Patient House Coat (For female)

Patna Towels

Perineal Sheets for OT

Pillows

length=65cm, breadth=40cm, foam quality should confirm to IS7933:1975 (Reaffirmed 2003)

Pillow Cover

(length=70cm breadth=45cm)excluding border
(White Bleached, All side zig zag stitching with border of 2.5cm in each side)

PPIUCD Insertion Forcep

Ringle Forcep

Revolving Stool

Technical Specification

- Tubular tripod based with S.S. revolving top.
- Height adjustable from approximately 460 mm to 650 mm by accurately machined screw mechanism.
- S.S foot ring supports
- Legs fitted with rubber PVC stumps.
- Pre-treated and powder coated finish.

Saline Stand (SS)

- Overall approx. size: height – 150cm-230 cm (with telescopic adjustable height)
- Main Frame: Strong & Sturdy stainless steel tubular construction mounted on four pronged tubular/rectangular base fitted with four swivel rust proof castors 50mm diameter .
- Stainless steel rod with double hooks
- All the Stainless Steel should be of 304 grade.

Scissor

Scissor- Mayo Scissors 18cm

Speculum Cusco Large

Speculum Cusco Medium

Speculum Cusco Small

Speculum Sims Vaginal

Speculum Sims Large

Speculum Sims Medium

Speculum Sims Small

Sponge holding forceps 25cm

Sponge Holder-25cm

Stadiometer

The measuring rod can be dismantled into several pieces and can be set easily.

The scale must be printed along the side of the measuring rod.

Measuring range (Both in cm & inch) : 20-205 cm and 8 - 81".

Graduation of measuring rod : 1mm / 8inch.

The structure should be made of ABS plastic.

The product should be **CE certified** (certificate to be submitted in technical bid)

Steriliser drum (medium)

Stethoscope

Manufacturer should be ISO 13485 certified.

Model should be USFDA or European CE approved product. CE certificate must be issued by notified body.

TECHNICAL SPECIFICATION:

Stethoscope of standard size, chromium plated metal binaural, V rubber tube in one piece and rotating piper fitting for both flip functions.

Double sided adult & paediatric stethoscope.

Extra-soft, replaceable and pivot able ear-tips for perfect sealing at the ear canal.

Designed with precision chest-piece made of stainless steel/ chromed brass.

Good quality diaphragm of maximum -Ø 45mm.

High quality membrane for precise acoustics with non-chill rims for improved adaptation on the skin and for excellent sound transmission.

Length should be 27" to 29" with colour -black.

The Y-tube should be made of Latex-free treated rubber.

Easy to dismantle, and therefore to clean and disinfect.

PHYSICAL CHARACTERISTICS

Dimensions (metric)- Diaphragm size as specified

Weight (lbs, kg)-Weight: 110-150 gm

Mobility, portability-Yes

ACCESSORIES, SPARE PARTS, CONSUMABLES:

Accessories (mandatory, standard, optional)- 1 x spare set of earpiece, 1 x spare diaphragm.

Stich cutter

Suction Machine (Foot Operated)

PRODUCT & MANUFACTURER QUALITY STANDARDS:

It Should be US FDA / CE/BIS approved product, Manufacturer should be ISO 13485:2003 certified.

TECHNICAL SPECIFICATION:

Giving vacuum more than 550 mm Hg, with 200ml/stroke, oil free diaphragm pump.

Settings-Manual

User's interface-Manual

Mobility, portability-No

ENERGY SOURCE: Not Required

ACCESSORIES SPARE PARTS, CONSUMABLES:

Accessories & spare parts -Collection bottles, clear unbreakable jar(one set extra)

Consumables / reagents (open, closed system):- Microbial filter, silicon tubing (one extra set)

Surgical Bin Assorted

Thermometer (Digital)

Thermometer(low reading) (Digital)

Tongue Depressor

Tongue Depressor(non magnetic)

Tooth Dissecting Forceps (17cm)

Tooth Dissecting forceps(17cm)

Uristix

Uterine Sound

Viginal wall retractor

Waste Disposal - Trolley (SS)