



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

Letter No. 13853 Phulbani Dated 10/11/2021

To

The Director, I & P. R. Dept,
Lok Sampark Bhawan, Bhubaneswar
e-mail: ipr.advt@gmail.com / iprenews@gmail.com

Sub : Publication of the advertisement.

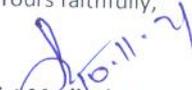
Ref: Letter No. 5670 Dt. 27.06.2017 of the Hon'ble Chief Secretary, Odisha.

Sir,

Please find here with a specimen copy of the advertisement for Publication of the same in two nos. of daily news paper (One time) by 11 November 2021.

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

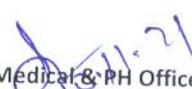
Yours faithfully,


Chief District Medical & PH Officer,
Kandhamal

Date: 10/11/2021

Memo No. 13854 21

1. Copy to the DI&PRO, Kandhamal for information & 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.
3. Copy to the Head Clerk, O/o the CDM & PHO, Kandhamal for information and necessary action.


Chief District Medical & PH Officer,
Kandhamal

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

Tender No. 13852 DWH

Tender Call Notice

Date 10/11/2021

Sealed tenders are invited from authorized firms for **supply & Installation of Medical Equipments, Instruments, Furniture & other chemical & reagents 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 07.12.2021 by 03.00 PM** through Registered Post / Speed Post / Courier only to the undersigned. The **Technical Bid document will open on 08.12.2021 at 11.00 AM**. Who will qualify in the technical bid, their **Price Bid will be opened on 09.12.2021 at 11 AM** 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/2021-22/

TENDER DOCUMENT
FOR
SUPPLY & INSTALLATION
OF
MEDICAL EQUIPMENTS, INSTRUMENT,
FURNITURE AND
OTHER CHEMICALS & REAGENTS

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


Chief District Medical & Public Health Officer
Kandhamal



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Chief District Medical & Public Health Officer
K. Jayaraman

S. Gan

20/10/2017

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

SECTION -I

NOTICE INVITING TENDER

Tender Reference No. : . DWH/2021-22/

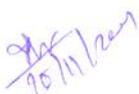
Dated:

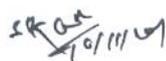
TENDERS ARE INVITED FROM ELIGIBLE BIDDERS AS PER THE ELIGIBILITY CRITERIA FOR SUPPLY & INSTALLATION OF MEDICAL EQUIPMENT, INSTRUMENT, FURNITURES AND OTHER CHEMICALS & REAGENTS

1	Period of Availability of Tender Document	From 12.11.2021 TO 07.12.2021 (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.
2	Last date & time for submission of Tender	Date: 07.12.2021, Time: 03.00 PM 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)
3	Date, time and place of opening of Tender	A. Technical Bid (Cover-A): Opening – 08.12.2021 at 11.00 AM in the address mentioned above. B. Financial Bid (Cover B): Opening – 09.12.2021 at 11.00 AM 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)

Chief District Medical & Public Health Officer
Kandhamal







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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 20 days 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 5(<i>five</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)	The bidder may quote for any or all the equipment by submitting the required EMD (Refundable) of Rs.50,000/-. 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. EMD exemption is not permitted except to local SSI units registered in Odisha only as mentioned in Clause-4.3.

Chief District Medical & Public Health Officer
Kandhamal



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SECTION -III
TERMS & CONDITIONS

Sealed tenders are invited from the eligible bidders as per the eligibility criteria for **supply & installation of Equipment, Instrument, Furniture and Other Chemicals & Reagents** 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 and Other Chemicals & Reagents**" 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 as per **Annexure-V** about this by a **Notary Public**.
 - 3) EMD **Rs.50,000/-** (Rupees Fifty Thousand only - Refundable) and 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.
 - 4) List of Item (s) Quoted individually in the prescribed format (**Annexure – II**).
 - 5) Copy of organization PAN.
 - 6) Copy of organization Income Tax Acknowledgement Report (**Assessment Year, 2018-19, 2019-20 & 2021-21**) and copy of the audited financial statement for the last three financial years i.e. 2017-18 2018-19 & 2019-20.
 - 7) Photocopy of the GST registration certificate and last three months GST return filling copy i.e. July - 2021 to September - 2021.
 - 8) The manufacturer / supplier should have **03 (three)** years market standing in supplying **Equipment, Instrument, Furniture and Other Chemicals & Reagents** 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.
 - 9) Performance Statement during the last three years towards proof of supply of similar **Equipment, Instrument, Furniture and Other Chemicals & Reagents** to any

S.K. Das
10/11/2021

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 .

- 10) Copy of Valid Manufacturing License of the manufacturer (s) / Import License by the Importer (s) / Authorization certificate from the Original Manufacturer (s) as per **Annexure-VI**.
- 11) Copy of valid ISO Certificate.
- 12) Copy 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) They should quote the rates for individual item (single piece) inclusive of packing, forwarding, door delivery and exclusive of GST and should submit a self declaration about this as per **Annexure-VII**, otherwise the rates could not be taken for Financial comparison.
- 16) They must submit the undertaking that they will supply the stocks **within twenty 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 allow extension for a **maximum period of 10 days** after the stipulated date of supply with a **penalty of 0.1% per day**, which will be deducted from the purchase order value as "**Liquidated Damage**".
- 17) If the supplier fails to complete the supply within the extended period, i.e. 30 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.
- 18) 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.
- 19) They must submit the undertaking for comprehensive warranty on all spares, maintenance etc. of all Equipments and Instruments for a period *5(five) years* from the date of installation & commissioning and *3(three) years* CMC after warranty period.
- 20) The supplier must take necessary steps for repairing / replacing of any Equipment / Instrument within 7 days of booking of complained by the End User on free of cost during warranty period, otherwise Tender Inviting Authority will be forfeited their EMD and no further purchase order will be placed to that supplier.

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Chief District Medical & Public Health Officer
Kandhamal

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- 21) The supplier shall have a minimum average annual turnover of Rs.1 (one) Crores or more in the last three year financial years i.e. 2017-18, 2018-19 & 2019-20 and copy of the audited financial statement for the last three financial year i.e. 2017-18, 2018-19 & 2019-20.

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 07.12.2021 by 03.00 PM.**
- 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. 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 **07.12.2021 by 03.00 PM**. The Technical Bid & Price Bid will be opened on **08.12.2021 & 09.12.2021 at 11 AM respectively** 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**

9/10/2021

Chief District Medical & Public Health Officer
Kandhamal

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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.50,000/- (Rupees Fifty Thousand only - Refundable), 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.			
4	List of Item (s) Quoted in the prescribed format (Annexure – III)			
5	Self attested photocopy of organization PAN.			
6	Self attested photocopy of organization Income Tax Acknowledgement Report (Financial Year 2018-19, 2019-20 & 2020-21) and copy of the audited financial statement for the last three financial year i.e. 2017-18, 2018-19 & 2019-20.			
7	Self attested photocopy of the GST registration certificate and last three months GST return filling copy i.e. July-21 to September-2021.			
8	The Manufacturer / Supplier should have 03 (three) years market standing in supplying Equipment, Instrument, Furniture and other Chemicals & Reagents 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 markt standing statement.			
9	Performance Certificate during the last 3 years towards proof of supply of above tendered items to any Govt./Corporate/PSU Hospitals in India. The copy of certificate (End User Certificate) from the user should be furnished in support of the information provided in the performance certificate (item wise)			
10	Self attested photocopy of valid ISO / ISI / CE / BIS / US FDA / IEC certificate.			
11	All the tender documents should be sign by the bidders at the bottom of each page with his official seal duly affixed.			
12	Leaflet/ Technical Brochures of the products / Item offered.			
13	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			
14	Self attested photocopy of Valid Manufacturing License of the manufacturer (s) / Import License by the Importer (s) / Authorization certificate from the Original Manufacturer (s) as per Annexure-VI			
15	Self Declaration regarding quote the rates for individual item (single piece) inclusive of packing, forwarding & door delivery and exclusive GST (if any) in their letter head as per Annexure-VII .			
16	Undertaking regarding the rate quoted and accepted will be binding on the tenderer for a period of one year or till finalization of next tender 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 .			
17	Submission of Under taking as per Annexure-IX for supplying of the stocks with in twenty days after receipt of the purchase order from this office. In Case of non-supply, the authority may allow extension for maximum period of 10 days after the stipulated date of supply with a penalty of 0.1% per day which will be deducted from the purchase order value as Liquidated Damage .			
18	Submission of Undertaking as per Annexure-X for Comprehensive warranty on all spares, maintenance etc. of all Equipmetns and instruments for a period 5 (Five) years from the date of installation & commissioning and 3 (three) years CMC warranty Period.			
19	Declaration regarding the supplier shall have a minimum average annual turnover average of Rs.1 (one) Crore or more in the last three financial years i.e. 2017-18, 2018-19 & 2019-20 as per Annexure-XI and copy of the audited financial statement for the last three financial year i.e. 2017-18, 2018-19 & 2019-20			

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LIST OF ITEMS TO BE TENDERED	
Sl. No.	Name of the Items
1	0.5% Chlorine solution and a tub; 1 lit. mug spoon
2	Abdominal sheets for OT
3	Allies forcep 8" curved
4	Allies forcep 8" straight
5	Aluminum Ladder (Step type)
6	Ambu Bag with mask (1000 ml)
7	Ambu Bag with mask (240 ml)
8	Ambu Bag with mask (500 ml)
9	Ambu Bag with mask (750 ml)
10	Anterior vaginal wall retractor
11	Artery forceps 8" curved
12	Artery forceps 8" straight
13	Auto Clave HP Vertical (Double Bin)
14	Auto Clave HP Vertical (Single Bin)
15	B.P. Instrument (Aneroid) with different size of cuff (adult/infant/neonate)
16	B.P. Instrument (Digital) with different size of cuff (adult/infant/neonate)
17	Baby weighing scale with 2 nos. of sling
18	Basic Labour Table
19	Basin Deep capacity 6 Litres
20	Bed Pan (SS)* Filter
21	Bed Side Locker
22	Bedside screen with stand (three fold)
23	Bedspreads
24	Bowl for antiseptic lotion (SS) (6 ltr. Capacity)
25	Bucket and Kelly's pad
26	Centrifuge Machine small with RPM
27	Centrifuge Tube 1.5ml
28	Centrifuge Tube 5ml
29	Cheatle Holder
30	Cheatle's Forceps
31	Colorimeter
32	Colour Coded bin (Black / Red / Blue / Yellow) (30-40 ltr. Cap)
33	Cord Cutting Scissors, Blunt, Curved on Flat, 160 mm ss
34	Crash Cart Trolley (Drugs Trolley)
35	Curtains in Labour Room
36	Cusco's /Graves Speculum Vaginal Bi- Valve Large
37	Cusco's /Graves Speculum Vaginal Bi- Valve Medium
38	Cusco's /Graves Speculum Vaginal Bi- Valve Small
39	Dental Probe
40	Digital Watch / Time device
41	Doctor's overcoat
42	Dressing Drum
43	Dressing Drum with cover 0.945 litres stainless steel
44	Dressing Forceps Spring Type,160mm, Stainless steel
45	Ear Speculum - Metallic, Dull finish
46	Embracenest Warmer
47	Endotracheal intubation tubes*

16/11/2017

Chief District Medical & Public Health Officer
Kandhamal

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16/11/2017

48	Episiotomy scissor
49	Examination Lamp
50	Examination Table with Foot Step (Double)
51	Fire Extinguisher - ABC Type (6 kg capacity), Fire Extinguisher – Co2 Type (4.5 kg capacity)
52	Flashlight/Tooth Box - Type - Pre - focused (4 cell)
53	Foetal Doppler
54	Foetoscope
55	Gauze Cutting Scissors Stright
56	Hand Dryer
57	Head circumference tape
58	Height measuring chart (feet/cm)
59	Hemoglobinometer (Digital) with 500 test strips
60	Hemoglobinometer Test Strips
61	Hemocytometer
62	Hospital Bed
63	Hospital worker ot coat
64	Inch Tape
65	Incubator for Patholozy
66	Infant Radiant Warmer
67	Infantometer
68	Infusion Pump
69	Instrument Cabinet
70	Instrument Sterilizer S.S. (Electrical)
71	Instrument Tolley / Delivery Trolley
72	Instrument Tray with Cover 310*195*63mm SS
73	Insulin Therapy- Catridge (3ml catridge of 100 IU /ml)
74	Insulin Therapy- Insulin Pen
75	Insulin Therapy- Needle
76	Interdental Cleaning Aids
77	Iyers Spatula
78	Janani Stretcher
79	Kelly's Haemostat Forceps straight 140mm
80	Kelly's Pad
81	Kidney Tray (SS) - 10"
82	KMC Bed (Semi-fowler) with Mattress (71 x 35 x 4 inch)
83	Kocher's forcep
84	Laryngoscope (handle- 0 size, blade curve- 2, 3 size)
85	Laryngoscope (handle- 0 size, blade straight- 2, 3 size)
86	leggings
87	Mask (Child) (00, 0, 1, 2)
88	Mask (Infant) (00, 0, 1, 2)
89	Mask (New born) (00, 0, 1, 2)
90	Mattress (Adult) (Rubberized coir mattress)
91	Measuring tape
92	Mouth Mirror
93	MUAC Tape
94	MVA aspiration syringe (60 ml)
95	Nasal Preng
96	Nasal Speculum (St. Claire's) *
97	Near Vision Chart
98	Nebulizer
99	Needle cutter and melter (electrical)

100	Needle holder
101	Needle Syringe Destroyer (Electrical)
102	Otoscope
103	Oxygen Concentrator (double outlet)
104	Oxygen Flowmeter (big nosle and medium nosle)
105	Oxygen Hood
106	Oxygen Key
107	Oxygen Mask with tube (Adult)
108	Oxygen Mask with tube (Child)
109	Oxygen Mask with tube (Neonate)
110	Oxygen Regulator
111	Pallets
112	Patients house coat (for female)
113	Patna towels
114	Pereneal sheets for OT
115	PPIUCD Insertion Forceps
116	Pulse Oxymeter (Adult probles)
117	Pulse Oxymeter (Paediatric probles)
118	Revolving Stool
119	Ringle Forcep
120	Safe Delivery Kit for HIV
121	Saline Stand SS
122	Scalpel Holder with Blade
123	Scissor
124	Sims Retractor/Depressor
125	Sims Speculum Vaginal double ended ISS Medium
126	Snellen vision chart
127	Speculum cusco large
128	Speculum cusco Medium
129	Speculum cusco Small
130	Speculum Sim Vaginal
131	Speculum Sims large
132	Speculum sims Medium
133	Speculum sims Small
134	Sponge holding forceps
135	Sponge Holding Forceps
136	Stadiometer (height measuring instrument)
137	Steriliser drum (medium)
138	Stethoscope (Adult)
139	Stethoscope (Neonatal)
140	Stethoscope (Paediatric)
141	Stich cutting Scissor 8"
142	Suction Apparatus (Electrical)
143	Suction Apparatus (Foot Operater)
144	Surgical Bin Assorted
145	TC- DC Count Apparatus
146	Thermo-Hygrometer
147	Thermometer (Digital)
148	Thermometer (Digital) (low reading)
149	Thermometer (Newborn)
150	Tongue Depressor
151	Tongue Depressor(non magnetic)

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Chief District Medical & Public Health Officer
Kandamalai

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10/11/16

152	Toothed forceps
153	Transcutaneous Biluribinometer
154	Universal Tooth Extractor
155	Uterine Sound Graduated
156	Vaginal wall retractor
157	VIA Kit for Screening Cervical Cancer
158	Vision chart with required set (box type) (in Odia and English)
159	Vulsellum Uterine Forceps Curved 25.5 cm
160	Waste Disposal - Trolley (SS)
161	Weighing Machine (Baby) (Electronics) with plate
162	Weighing Machine (Baby) (Manual) with plate
163	Weighing Machine Adult (Digital)
164	Weighing Machine Adult (Manual)
165	X-ray View Box (Double Film)
166	X-ray View Box (Single Film)
167	Lumbar & Cervical Traction with Bed
168	Interferential Current Therapy Unit (Combo)
169	Transcutaneous electrical nerve stimulation (TENS)
170	Muscle stimulator unit (FC/GC)
171	Therapeutic Ultrasound Unit(Dual Frequency)
172	Shock wave Therapy unit
173	Therapeutic Laser Unit (Physiotherapy)
174	Infra Red Therapy unit with stand
175	Physio Hydrocollator unit
176	Paraffin Wax Bath Unit
177	Short wave diathermy unit (500W) for Physiotherapy
178	Vacuum Therapy Unit
179	Knee and Hip Auto Passive mobilise
180	Shoulder, Elbow and Wrist auto passive mobiliser
181	Parallel Bar
182	Stair climbing training unit
183	Adult Trampoline
184	Tilt Table (Electrical)
185	Manual therapy Bed unit
186	Wage board
187	Adult Roller & Balance board (wobbles' Board)
188	Therapeutic Mat
189	Shoulder wheel, over head pulley, Shoulder ladder (set)
190	Foot Bath Unit
191	Quadriceps training unit including weight cuffs & dumbbells
192	Treatment wooden beds with Mattress
193	Hand rehabilitation Therapy unit
194	Thera bands /Elastic bands (Flat type)
195	Gonio-meter
196	Hand grip & pinch Dynamometers
197	Knee hammer
198	Plumb unit
199	Skin fold measurement Calliper
200	NSV Kit
201	IUCD Kit
202	Minilap Kit
203	Asha HBNC Kit

203	Wheel Chair
204	Clinical Digital Thermometer
CHEMICALS & REAGENTS	
203	Aluminium foil (FRESHWRAP)
204	Barrit Reagent A (R029) 100ml - HIMEDIA
205	Barrit Reagent B (R030) 100ml - HIMEDIA
206	Beaker 100ml
207	Becterub
208	BGLB (M121) 100gm - HIMEDIA
209	BHI Broth LQ004 (10 x 20ml) - HIMEDIA
210	BHI Broth LQ004 AL (10 x 50ml) - HIMEDIA
211	Buffered Glucose Broth (MR-VP Broth) M070S (500gm) - HIMEDIA
212	Cappillary Tube
213	Carbol Fusch In
214	Clot Activator vials
215	Cotton Blue
216	Couplin Jar (Vertical Plastic)
217	Cover Slip (Blue Star) (Pkt)
218	Disodium Hydrogen Phosphate Anhydros 500gm
219	DLS Container mech
220	DLS Stand
221	Dropper 1.5µl (pkt)
222	EMB Agar - HIMEDIA
223	ESR Machine
224	ESR Stand
225	Favchet Reagent
226	Glacial Acetic Acid
227	Hand Protector grip for hot glass wares
228	Jobson - Horne - Probe
229	Leishmens Powder 100gm
230	LFT
231	LIPID Profile
232	Mc Farland Standard Set (Each set contains 1 tube of 0.5, 1, 2, 3, 4, McFarland Standard) (R092)- HIMEDIA
233	McConkey Agar w/o CV and NaCl w 0.5% Sodium Taurocholate (M082) 100gm -HIMEDIA
234	Micropipette (0-50 µl)
235	Microscope Glass Big size
236	Microscope Glass Small size
237	Microtip (100 µl) (pkt of 1000's)
238	Microtip (big) (1000 µl) (pkt of 1000's)
239	Microtips Holder
240	Neubauer Chamber
241	Occult Blood Card Test
242	Peptone Water M-028S (500gm) - HIMEDIA
243	Plastic beaker small size
244	Plastic Funnel
245	Potacium Hydrogen Phosphate 500gm
246	Potassium Hyhydroxide 100gm
247	Pottasium Hydroxide 500gm (HIMEDIA)
248	Robertson Cooked Meat Medium (HIMEDIA)
249	Rubber bank in kg
250	S. Potacium
251	S. Sodium

shc
10/11/2019

Chief District Medical & Public Health Officer
Kandhamal

11

sdg on
10/11/2019

252	S. Typhi IgG / IgM Card Test
253	Safe Delivery Kit
254	Sicklevue for Sickie test
255	Slide Tray
256	Sodium Citrate
257	Sodium Citrate 3-8 y
258	Sodium citrate vial
259	Sodium Floride (ASPEN)
260	Sodium Hippurate (M1054) 100gm - HIMEDIA
261	Sodium Hypochloride Solution
262	Spreader Autoclavable
263	Sterilized Petri Plates (pkt=500's) (TARSON)
264	Storage Box for Laboratory use (12(L) x 8(B) x 6(D) inch)
265	Storage Vial 5ml
266	Sulphur Powder 100gm
267	Swab Stick (STANBIO)
268	TCBS Agar M189 (100gm) - HIMEDIA
269	Test tube 5ml
270	Test Tube holder
271	TLC Diluting Fluid 500ml
272	Total Eosinophil Count Fluid 500ml
273	TRBC Fluid 500ml
274	Urine bile Pigment Kit
275	Urine bile salt test kit
276	Urine tube (boiling) 10ml
277	Veseline 500gm
278	Water Collection Bottle 100ml (TARSON)
279	Wax
280	Widal Rapid Test Kit
281	Wintrobes tube for PCV
282	Xylene 500ml
283	ISE Pack (Electrolyte Analyzer)
284	Sterile urine collection vial

RNTCP Lab. Materials	
SL.NO	PARTICULARS
1	MICROSCOPIC GLASS SLIDE
2	BASIC FUSCHION
3	PHENOL (500ml)
4	RECTIFIED SPIRIT
5	DIMINERALISED WATER
6	SULPHURIC ACID (500ml)
7	METHYLENE BLUE (25 gm)
8	IMMERSION OIL (30 ml)
9	TISSUE PAPER ROLL

10	LENS CLEANING TISSUE PAPER
11	SPIRIT LAMP
12	GLASS ROD THICK (FOR STAINING)
13	DROPING BOTTLE (100ml)
14	STAINING TRAY
15	SLIDE DRAINAGE TRAY
16	SLIDE KEEPING BOX 100 Nos PER BOX
17	SLIDE KEEPING BOX 50 Nos PER BOX
18	SLIDE KEEPING BOX 25 Nos PER BOX
19	PHENYLE 40%
20	DIAMOND MARKER PENCIL
21	FILTER PAPER
22	CONICAL FLASK 500ml
23	CONICAL FLASK 1000ml
24	BOROSIL BEAKER 2 Ltr
25	BOROSIL BEAKER 1 Ltr
26	GLASS FUNEL SMALL SIZE
27	GLASS FUNEL BIG SIZE
28	MEASURING CYLINDER 250ml
29	MEASURING CYLINDER 500ml
30	MEASURING CYLINDER 100ML
31	FLAT BUTTOM FLASK
32	GLASS PEPPET 25ml
33	WASH BOTTLE
34	FALCON TUBE 50ml
35	FALCON TUBE STAND
36	GEL PACK BIG SIZE
37	GEL PACK SMAL LSIZE
38	GIPER PACK (1 PKT =100Nos) (9"*11")
39	THERMOCOOL BOX (11"*X13" PER BOX)
40	THERMOCOOL BOX (8"*X10"*8' PER BOX)
41	THERMOCOOL BOX (6"*X8" *8PER BOX)
42	THERMOCOOL BOX (4"*6")
43	PARAFILM 2" *125'
44	PARAFILM 4" *125'
45	MASK N95
46	MASK THREE LAYER
47	DIPOSABLE GOLVES (1 PKT=100 Pcs) EXAMINATION GLOVES
48	DIPOSABLE GOLVES NITRILE GLOVES
49	SURGICAL GOWN DISPOSABLE)
50	CLOTH MATERIAL
51	WEIGHING BALANCE FOR CHEMICAL
52	WEIGHT MACHINE (DIGITAL)
53	SPUTUM CONTAINER
54	BLOOTING PAPER

9/11/2019

55	MICROSCOP BULB 6 WATT
56	MICROSCOP BULB 12 WATT
57	TIMER, 30 OR 60 MINUTES
58	SLIDE RACK
59	FOOT OPERATED BUKET WITH LID 10LITER
60	ABSOLUTE ALCOHOL (ETHANOL)

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.-2.14) (both in words and figures)

Signature of the Bidder with seal

Chief District Medical & Health Officer
Kandhamal

SRGM
10/11/2021

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.

ok
20/11/2017

Chief District Medical & Public Health Officer
Kandhamal


20/11/2017

We also hereby undertake to provide full guarantee/warrantee /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.

Chief District Medical & Public Health Officer
Kandhamal

Annexure- VII

DECLARATION

(Filled by the Bidder)

I / We _____ do hereby declare that I / We have quoted the rates for individual item (single piece) inclusive of packing, forwarding, door delivery and exclusive of GST, otherwise the rates could not be taken for financial comparison.

Signature of the Bidder with seal

Annexure- VIII

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

Asah
10/11/2021

9/11/2021
Toh/2021

Chief District Medical & Public Health Officer
Kandhamal

SKG
10/11/2021

(Signature)

DECLARATION

(Filled by the Bidder)

I / We _____ do hereby declare that I / We will supply the stocks **within twenty (20) days** after receipt of the Purchase Order from Tender Inviting Authority. In case of non-supply within the stipulated time period, the Tender Inviting Authority may allow extension for a **maximum period of 10 days** after the stipulated date of supply with a **penalty of 0.1% per day**, 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

DECLARATION

(Filled by the Bidder)

I / We _____ do hereby declare that I / We will submit the undertaking for comprehensive warranty on all spares, maintenance etc. of all Equipments and Instruments for a period *5(five) years* from the date of installation & commissioning and *3(three) years* CMC after warranty period.

Also, I / We agreed that I / we take necessary steps for repairing / replacing of any Equipment / Instrument within 7 days of booking of complained by the End User on free of cost during warranty period, otherwise **Tender Inviting Authority will be forfeited our EMD and no further purchase order will be placed to us.**

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	2017-18	
2	2018-19	
3	2019-20	
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.

SKP
10/11/2021

Chief District Medical & Public Health Officer
Kandhamal
10/11/21

SKP

SKP
10/11/21

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

20/11/2017

Chief District Medical Officer
Kannur

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20/11/2017

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- 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/cm² (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 / ambience (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;

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- 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


 Chief District Medical & Public Health Officer
 Kandhamal

24/04
 10/11/2017

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 CONSIDERATONS

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

Operating

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.

9/11/2024

9/11/2024

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 (SS)

Capacity- 6 ltr.

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) ± 20 mm
- 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.

Fire Extinguisher - ABC Type (6 kg capacity)

Fire Extinguisher – Co2 Type (min 4.5 kg capacity)

Glucometer

Glucometer test strips

Glucometer lancets

Hand Dryer

Haemoglobinometer (Sahil's)

Haemoglobinometer (Digital)

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Haemoglobinometer Strips
Hemacytometer
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

Incubator for Pathology

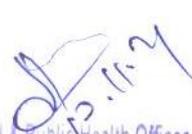
Chamber Size:- 14"H x 14"D x 14"W,
Nos. of Shelves:- 02 nos.
Capacity:- 45 ltr.

Instrument Steriliser S.S (Electrical)

Size:- 14 X 6 X 5, 14 X 6 X 6, 18 X 8 X 6, 20 X 8 X 6, 24 x 8 x 6

Instrument Tray (SS) Assorted
Lyers Spatula

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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

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Leggings

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 ingression.

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

Oxygen Cylinder Key

Oxygen Flow Meter

Size- Big nosle and Medium nosle (new model)

Patient House Coat (For female)

Patna Towels

Pereneal 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.

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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.

Stitch 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

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Tongue Depressor(non magnetic)

Tooth Dissecting Forceps (17cm)

Tooth Dissecting forceps(17cm)

Uristic

Uterine Sound

Viginal wall retractor

Waste Disposal - Trolley (SS)

Specification of Safe Delivery Kit for HIV:-

- Surgeon gown
- Face mask
- Surgeon's cap
- Disposable Absorbent non woven Towel
- Latex surgical gloves 6.5"
- Latex surgical gloves 7"
- B.P. Blade
- Bio-bag (waste carry bag)
- Plastic Drape Sheet
- Abdominal sponge 20*20 cm
- Mucous Extractor
- Sterilized Infant Feeding Tube
- Absorbent cotton 50gm
- Umbilical cord clamp
- Carbolic soap

Specification for MINILAP Kit :-

Each Kit contains :-

- | | |
|---|----|
| a) Sponge Holding Forcep | -2 |
| b) Needle, 22-G, 1 1/2" | -2 |
| c) Babcock clamp (medium size) | -2 |
| d) Disecting Forcep Plain | -1 |
| e) Disecting Forcep Toothed | -1 |
| f) Scalpel Handle (no. 4) | -1 |
| g) Scalpel Blade (size 15) | -2 |
| h) Allies Forcep | -2 |
| i) Artery Forcep (st, medium) | -3 |
| j) Artery Forcep (curve, medium) | -3 |
| k) St. Scissor | -1 |
| l) Curved Scissor | -1 |
| m) Small Langenbeck (right angle abdominal) | -2 |
| n) Uterine Elevator (for interval procedures) | -1 |
| o) Sim's Vaginal Speculum (medium) | -2 |
| p) S.S. Bowl , Small | -1 |
| q) Volsellum | -1 |
| r) Tubal Hook, Ramathibodi | -1 |
| s) Small round bodied curved needle | -1 |
| t) Small cutting needle | -1 |

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u) S.S. Kidney Tray	-1
v) Retractor	-1
w) Needle Holder	-1

Specification for NSV Kit :-

Each Kit contains:-

a) S.S. Bowl , Medium	-1
b) Sponge Holding Forcep	-1
c) Surgical Tray with cover (small)	-1
d) Mayo Scissor	-1
e) Extra-Cutaneous Vas Fixation ring forcep	-1
f) Vas Dissecting Forcep	-1
g) Needle, 22-G, 1.5", 24G	-2

Specification for IUCD Kit:-

Each Kit contains:-

a) Sim's Vaginal Speculum S.S. (Medium)	-1
b) Allies Forcep S.S. - 6"	-1
c) Volsellum Forcep S.S. - 10"	-1
d) Uterine Sound S.S. - 10"	-1
e) Artery Forcep S.S. - 6"	-1
f) Cheatle Forcep S.S. - 8"	-1
g) Vaginal Retractor	-1
h) Uterine Sound	-1
i) Tray with Cover	-1
j) Steel Bowl	-1
k) Sharp cutting Scissor	-1

1. Lumbar & Cervical Traction with Bed

1.1: Clinical Requirement: A cervical/lumbar traction device is used to help relieve pain associated with Cervical & Lumbar spine in case of Prolapsed inter vertebral disc, Listhesis of vertebra, Spinal nerve root Compression etc. and nerve root impingement. It also Spine and skeletal system, gently stretching the tight muscles and soft tissues of the spine area. By helping to open the space between the compressed vertebrae, a traction device assists in releasing the tension and pressure of the vertebrae structure.

1.2 Technical Specification:

- Microprocessor/ microcontroller based unit for treatment of cervical & lumbar regions of patient.
- It should be microprocessor controlled for smooth traction effect.
- The therapy time, HOLD and REST times should be easily programmable.
- Should be provided with Adjustable, single size PELVIC and THORACIC belts and the head halter fit for adult patient.
- The unit should have LED indicators for hold and rest time.
- Buzzer indicator for completion of treatment
- Separate selection for cervical and lumber
- The unit should be sensitive to weight for accurate operation.
- Force – 4-90 Kg with doubler

- Cervical tension – 4, 6, 8, 10, 12, 14 (Kg)
- Lumbar tension – 18,21,24,27,30,33,40,45 (Kg)
- All the above increments are must be in steps.
- Mode: static and intermittent – cervical as well as lumbar.
- Hold time – 10-80 (Sec) adjustable in continuous mode.
- Rest time – 1-20 (Sec) adjustable in continuous mode
- Treatment time - 1 to 30 minutes –Adjustable.
- Patient control switch option should be there for safety.

1.3. Power Supply:

- The unit should work on 230volt & 50HZ supply
- The unit should have inbuilt over voltage protection.

1.4. Quality Standard:

- The model should be USFDA/CE/BIS certified
- The manufacturer should be ISO13485 certified
- The model should be compliance to electrical safety standards of IEC60601-1

1.5. TRACTION BED (MANUAL)

- Traction Bed – 3Fold sliding for horizontal cervical and lumbar traction
- Made of complete MS frame with wooden TOP
- Bed Dimensions: : 6' (L) x 2.5' (W) x 2.5' (H)
- Provided with appropriate dimension of mattress of 2inch thickness made of 40density PUF and cover with heat resistance rexin.
- Fully made on 30mm square tube with 18 gauge thickness.
- The lumbar section should roll freely on rollers for friction-free lumbar pull.
- The Cervical traction angle should controlled by vertical adjustment of the Machine mounting board.

1.6. Flexion stool: Adjustable Height range of 13"-20" which allows the therapist to place the lumbar spine into neutral or flexed position increasing patient comfort during traction treatments
The manufacturer should be ISO certified.

2. Interferential Current Therapy Unit (Combo)

2.1: Clinical Requirement: is an effective therapy option used for relieve of pain and accelerate the self-healing process, getting your body back to a healthy, pain Free State. The high frequency signals of an IFC penetrate through the skin into deeper lying muscle tissues. It also improves circulation to muscles and reduces inflammation, stimulate muscles to contract.

2.2: Technical Specification:

- Digital four channel with LED display interferential therapy device.
- Rotating Multi vector scale facility
- Pre-programmed memory with treatment applications
- Carrier frequency 2000 Hz and 4000 Hz
- Base frequency 0-150 Hz (1Hz step) Continuously adjustable
- Sweep frequency 0-150 Hz (1Hz step), Continuously adjustable
- Sweep modulation: 1/1 sec, 1/5/1/5 sec, 6/6/ sec.

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- Therapy modes – two pole linear, four pole linear, four poles trapezoidal and four poles non-linear, four pole vector ,Russian current and tens mode, faradic and galvanic ,plane galvanic ,Plane DC mode.
- Output current 0 -100 mA
- Timer 0-60min
- Indication for improper placement of electrodes for channel 1 and channel 2 separately.
- With attached trolley

2.3: Power Supply:

- The unit should work on 230volt & 50HZ supply
- The unit should have inbuilt over voltage protection.

2.4: Quality Standard:

- The model should be USFDA/CE(Notified)
- The manufacturer should be ISO13485 certified
- The model should be compliance to electrical safety standards of IEC60601-1

3. Transcutaneous electrical nerve stimulation (TENS)

3.1: Clinical Requirement: Used for Pain Relief and Treatment. TENS stands for (Transcutaneous Electrical Nerve Stimulation). Which are predominately used for nerve related pain conditions (acute and chronic conditions), muscle spasm. TENS machines works by sending stimulating pulses across the surface of the skin and along the nerves to close pain gates to reduce pain & spasm.

3.2: Technical Specification:

- A micro controller based multi programmable transcutaneous electric nerve stimulator
- The unit should be a table top model.
- The unit should have dual Independent Channels
- The unit should have Adjustable Timer ranging from 0-90sec
- Adjustable Frequency and Pulse Duration parameters
- Therapy mode: Continuous, burst, linear, trapezoidal ,triangular and non- linear
- Tens Frequency: 2 Hz to 150 Hz Adjustable
- Pulse Amplitude:0-80 mA
- Pulse width 50 msec – 300 msec, variable
- Therapy mode: Continuous, burst, linear, trapezoidal and no- linear
- Parameter selection: Manual and programmed.
- Treatment timer: Digital timer
- Output display: Display for CH1 & CH2.
- With attached trolley

3.3: Power Supply:

- The unit should work on 230volt & 50HZ supply
- The unit should have inbuilt over voltage protection.

3.4: Quality Standard:

- The model should be USFDA/CE/BIS certified
- The manufacturer should be ISO13485 certified
- The model should be compliance to electrical safety standards of IEC60601-1

4. Muscle stimulator unit (FC/GC)

4.1: Clinical Requirement: An electric muscle stimulator (often referred to as an EMS machine or unit) is an electronic device used to deliver electrical impulses to the body, in order to make the muscles contract and use in

case of treatment of paresis and paralyse muscles. It also use as a primary diagnostic tool to know the innervated & de-nervated state of muscle.

4.2: Technical Specification:

- The device should produce Faradic and Galvanic types of current with variable Pulse width
- Should have provision for Galvanic & Faradic Curve
- The unit should have LCD display for therapy type and time along with all user settings in faces.
- Facility to plot SD Curve and Ionotophoresis
- Pulse duration, rest period, timer, intensity control Buzzer
- The unit should have treatment modes: Galvanic, Int.Galvanic, Faradic, & Surged Faradic,

4.3: Galvanic Mode:

- Therapeutic time adjustable from 30 – 300 mSec in (1 mSec step)
- Diagnostic time adjustable from -0.1, 0.3, 1, 3, 10, 30, 100, 300 mSec
- Frequency : 18 PPM to 3000 PPM
- Repetition Time : 300 mS to 1 mS

4.4: Faradic Frequency - 100 PPM

- Contraction time: 1 Sec to 9 Sec.
- Relaxation time: 1 Sec to 9 Sec.
- Digital display for diagnostic model
- Patient safety should be available with no output while intensity is high by switching on the machine.

4.5: Accessories:

- Velcro strap of 2" wide and 3 meter long
- Standard accessories: different electrodes small and large sizes and shapes (two of each size), active electrode of small and large size (two of each size) Both Carbon & steel electrode, 2 different size pen electrode.
- With attached trolley

4.6: Power Supply:

- The unit should work on 230 volt & 50HZ supply
- The unit should have inbuilt over voltage protection.

4.7: Quality Standard:

- The model should be USFDA/ CE (Notified)
- The manufacturer should be ISO13485 certified
- The model should be compliance to electrical safety standards of IEC60601-1

5. Therapeutic Ultrasound Unit(Dual Frequency)

5.1: Clinical purpose: For treatment of painful conditions involving the musculoskeletal and neuromuscular structures, reduce inflammation of muscles, tendons, repair muscle, tendon, ligaments etc. It is also very use full for sports injury management, diabetic & leprosy foot ulcer healing etc.

5.2: Technical Specification:

- It should be double frequency ultrasound machine.
- Modes of operation should be in continuous and pulsed
- It should have at least in 4 different settings for Pulse ratio.
- Maximum output 2.5-3 watts/Sq.cm.
- Output frequency 1 MHz and 3MHz
- Treatment time should be adjustable from 0-30 minutes
- Automatic alarm should be their on completion of the treatment.
- Digital LCD display to indicate the output in w/cm² and other required services.
- All settings should be provided using touch panel.
- Both the transducer should be high quality water and impact resistant.

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- The beam type :Divergent/Collimated
- Transducer: The Effective radiating area should be of 0.5 to 0.8mm for 1MHz and 0.4 to 0.6mm for 3MHz.
- The Beam Non uniformity Ratio (BNR) for both the transducer should be 4-6.
- With attached trolley

5.3: Power Supply:

- The unit should work on 230volt & 50HZ supply
- The unit should have inbuilt over voltage protection.

5.4: Quality Standard:

- The model should be USFDA/ CE(Notified)
- The manufacturer should be ISO13485 certified
- The model should be compliance to electrical safety standards of IEC60601-1

6. Shock wave Therapy unit:

6.1: Clinical Use: shock wave therapy primarily used in musculoskeletal disorders for the treatment of tendon pathies (proximal plantar fasciopathy, lateral elbow tendinopathy, calcific tendinopathy of the shoulder, and patellar tendinopathy, etc.) and bone defects (delayed- and non-union of bone fractures, avascular necrosis of femoral head, etc.)

6.1: Technical Specification:

It should be a table top model:

6.2: Console:

- The unit should be a ballistic radial shockwave therapy-system with electromagnetic generator as projectile accelerator
- User interface with facility for adjustment of parameter
- The unit should have LCD display for display of parameter during the therapy.
- The unit should have inbuilt preset programme of at least 7nos with minimum of
- The Unit should have facility for Adjustment of the parameters during the course of the therapy.
- The unit should provide non-invasive treatment for pain associated with musculoskeletal system
- Energy levels from 60 to 185 mJ (equivalent 1-5 bar)
- The energy should be adjustable in steps of 10 mJ
- Pulse frequencies from 1 to 20 Hz
- Burst mode for Trigger Point Treatment
- Positive shockwave counter
- The unit should not produce any negative shock.
- The unit should indicate the preset treatment protocols in the programme menu.

6.3: Shockwave Applicator Hand Piece

- The hand piece should be light in weight and ergonomic in design for user friendly operation.
- The hand piece should be made of anodized aluminium casing.
- It should have inbuilt fan for cooling.
- Minimum length of the hand piece should be 23-25 cm and a 5-6cm diameter (max.)
- Weight ca. 0.85 -0.90 kg (with cable)
- The Life of the shock generation should be minimum of 2,000,000 shocks

6.4: ACCESSORIES:

1. Hand-piece, complete with a 15 mm applicator
2. Holder for hand-piece
3. 25 mm a applicator
4. Silicon covers, 10 pcs
5. Endopuls lotion, bottle 250 ml
6. Foot switch

- 7. Carrier case
- 8. With attached trolley
- 6.5: Power Supply:
 - The unit should work on 230volt & 50HZ supply
 - The unit should have inbuilt over voltage protection.
- 6.7: Quality Standard:
 - The model should be USFDA/CE(Notified)
 - The manufacturer should be ISO13485 certified
 - The model should be compliance to electrical safety standards of IEC60601-1

7. Therapeutic Laser Unit (Physiotherapy)

Clinical Use: Laser Therapy Equipments use for treatment of the pain, trigger point, wound healing, Soft Tissue Injury Treatment etc effectively.

7.1: Technical Specification:

- Table top model consists of laser console, delivery system with accessories.
- Operating Frequency range 2Hz - 20kHz
- The unit should have facility to show the power in joules once the therapy time is set and Vis-a-vis.
- Timing range between 0-99 Minutes
- The unit should provide with two probes as single point and cluster type along with scanner.
 - Probe -1:
 - Power output range: 100mW at 905nm
 - Probe-2:
 - Power output of 10mW at 640nm
 - Scanner:
 - Should have inbuilt predefined programme for easy/ default operation
 - The unit should have LCD display for parameter set & delivered etc
 - Should have inbuilt memory for patient database.
 - The unit should have two separate channel for connecting two probes for simultaneous operation.
 - The unit should be operated in continuous and pulse modes of operation.
 - Laser Dosage: 0.1-100 J/cm²
 - Therapy area 0.1-100 cm²
 - Laser class 3B

7.2: ACCESSORIES:

- 1) Hand-piece
- 2) Foot switch
- 3) Carrier case
- 4) With attached trolley

7.3: Power Supply:

- The unit should work on 230volt & 50HZ supply
- The unit should have inbuilt over voltage protection.

7.4: Quality Standard:

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- The model should be USFDA /CE (Notified) approved.
- The manufacturer should be ISO13485 certified
- The model should be compliance to electrical safety standards of IEC60601-1

8. Infra Red Therapy unit with stand

8.1: Clinical Use: An infrared lamp is the means to give superficial thermotherapy. Superficial thermo therapy is effective in pain and stiffness relieving, fasciitis in number of cases like back pain, cervical pain, frozen shoulder. It also use in facilitating healing of chronic ulcers.

8.2: Technical Specification:

- Out put Power: 150 Watt
- Cord length: 3meter.
- Insulation: Class II (double isolation)
- Type of lamps: PAR 38 E, 150 W + prismatic rings for more focus.
- Make of lamp: Philips / Osram

8.3: Power Supply:

- The unit should work on 230volt & 50HZ supply
- The unit should have inbuilt over voltage protection.

8.4: Quality Standard:

- The model should be USFDA /CE(Notified)/BIS approved .
- The manufacturer should be ISO13485 certified
- The model should be compliance to electrical safety standards of IEC60601-1, Complies to IEC 60335

9. PhysioHydrocollator unit

9.1: Clinical Use: A moist heat modality use as a superficial to medium penetration thermotherapy modality. Clinically use for chronic pain management & joint stiffness cases.

9.2: Technical Specification:

- Water tank made up of Stain less steel inner & outer Cabin (20-25 Gauge thickness)
- High grade thermally insulated
- Static/Movable base
- Top lid of stainless still, thermally insulated with Fibre handle.
- Dimensions: : L (33 cm) x W (42cm) x H(69cm)
- Tank thickness: 20-22 Gauge
- Tank capacity: Should be such so as to accommodate 8 Packs
- Temperature range: 50-90 degrees Celsius
- Thermostatic temperature control (50 - 90 degree C) - Auto cut-off
- Thermal cut-out temperature
- Temperature accuracy: +/- 10%
- Heat-up time to 90 degree Celsius: in 8 hrs.
- Cool-down time from 90 degrees Celsius: 3 hrs.

9.3: Power supply

- Mains power: 220/230 V, 50/60 Hz
- Power consumption: 1000-1500 W

9.4: Quality Standard:

- The model should be CE/BIS approved.
- The manufacturer should be ISO13485 certified
- Safety tests: Conforms to IEC 60601-1

Accessories must include:

- Hydrocollator Moist Heat Hot Pac : Standard Size-2, Over size-2, Cervical Standard size-2, Hydrocollator Knee or Shoulder Hot Pac-2
- Cotton Terry towel (Adult size): 8 Nos. to be supplied.

10. Paraffin Wax Bath Unit:

10.1: Clinical use: Paraffin wax treatments are used for the Symptomatic relief of pain and stiffness due to Arthritis, Bursitis, and Tendonitis, Muscle strains or Sports-Injuries. It is basically use as a superficially thermotherapy modality in physiotherapy.

10.2: Technical Specification:

- Double walled Construction with adequate insulation made of SS body.
- Wax tank made of 18-20 gauge Stainless steel & anodized Aluminium cover Mounted on 5cm dia. Four casters.
- Capacity – 25 Kg (Min.) to hold 20 Kg Wax
- Heater - 2000 watts
- Thermostatic temperature control (30 - 90 degree C) - Auto cut-off
- Thermostat - 30 to 110o C
- Perforated steel plate to cover heating element for safety of patient
- The scope of supply includes 20 Kg of Wax.

10.3: Power Supply:

- The unit should work on 230volt & 50HZ supply
- The unit should have inbuilt over voltage protection.

10.4: Quality Standard:

- The model should be CE/BIS approved.
- The manufacturer should be ISO13485 certified

11. Short wave diathermy unit (500W) for Physiotherapy

11.1: Clinical Use: It is a deep heating thermotherapy modality used for pain relief, joint stiffness reduction in number of cases like post fracture rehabilitation, Back & neck pain, Frozen Shoulder, Arthritis etc.

11.2: Technical Specification:

- High power medical diathermy transmitting oscillator valve and solid state rectifier
- RF power source Vacuum generating valve
- Power output: 500 watts

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- Operation Frequency: 27.12 MHz
- Wave length: 10 to 12 meters
- Automatic timer, (timer 0 – 30min)
- Intensity control: 5 step smooth control with gradual increase
- The unit should have digital display.
- Cooling fan should be provided
- Two sets of cable and treatment Pads for Adult and Paediatric should be provided. (Pad Type Electrode)
- Disc electrode of two different sizes to be provided.

11.3: Power Supply:

- The unit should work on 230volt & 50HZ supply
- The unit should have inbuilt over voltage protection.

11.4: Quality Standard:

- The model should be CE/BIS approved.
- The manufacturer should be ISO13485 certified

12. Vacuum Therapy Unit

12.1: Clinical Use:

- Decrease or relieve pain and inflammation from injury or chronic conditions.
- Relieve deep muscular issues and reduces muscle spasms.
- Release and soften scar tissue and loosen post-surgery adhesions.
- Lift and stretch soft tissue to separate fascia and restrictions.
- Increase range of movement and flexibility in joints.
- Promote healthy circulation and open the energy flow of the body.
- Move stagnation and enable normal lymphatic flow.
- Enhance any athletic training program to improve performance.

12.2: Technical Specification:

- It should be a table top model of dual channel.
- The unit should generate continuous and pulsed outputs with variable pulse speed
- The vacuum pressure should be adjustable as per requirement.
- Vacuum: 100 – 500 mbar continuously adjustable
- Therapy forms: continuous or pulsed
- Pulsed vacuum: 2 – 6 secs. Adjustable
- No. of vacuum electrodes: Four of 60-70mm

- The unit should have digital display.
- All required accessories should be provided with the unit for smooth functioning. Glass or plastic cups and a vacuum pistol, bulb or machine to create suction on the body surface.

➤ With attached trolley

12.3: Power Supply:

- The unit should work on 230volt & 50HZ supply

➤ The unit should have inbuilt over voltage protection.

12.4: Quality Standard:

- The model should be USFDA /CE(notified) approved.

➤ The manufacturer should be ISO13485 certified

13. Knee and Hip Auto Passive mobilise

13.1: Clinical Use: The mobiliser used during the first phase of rehabilitation following a soft tissue surgical procedure or trauma, Post fracture management of Femur, Tibia-Fibula, Knee & hip replacement etc. . This rehabilitation procedure follow-up for control post-operative pain reduces inflammation, provide passive motion in a specific plane of movement, and protect the healing repair or tissue.

13.2: Technical Specification:

- The device should provide anatomical motion of the knee & hip for the adult and paediatric patient.
- Gear mechanism for continuous operation.
- Can be used for both left and right portion of the patient.
- Must be well cushioned for comfortable feel.
- Should have adjustable flexion angle up to 120 degree
- Provided with patients safety switch.
- Treatment timer : 0 to 60 min
- Features for Up & Down control limit button to control reverse direction movement
- Flexion delay : 5,10,15 sec
- Extension Delay : 5,10,15 sec

13.4: Power Supply:

- The unit should work on 230volt & 50HZ supply

➤ The unit should have inbuilt over voltage protection.

13.5: Quality Standard:

- The model should be USFDA /CE approved.

➤ The manufacturer should be ISO13485 certified

➤ The model should be compliance to electrical safety standards of IEC60601-1

14. Shoulder, Elbow and Wrist auto passive mobiliser

14.1: Clinical Use: The mobilise used during the first phase of rehabilitation following a soft tissue surgical procedure or trauma, Post fracture management of Humerus, Radius-Ulna, frozen shoulder etc. This

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rehabilitation procedure follow-up for control post-operative pain reduces inflammation, provide passive motion in a specific plane of movement, and protect the healing repair or tissue.

14.2: Technical Specification:

- The device should provide anatomical motion of the shoulder (Flexion-extension, Abduction-Adduction (vertical & Horizontal plane), Circumduction & Elbow (Flexion-extension), wrist combination of ulnar deviation, flexion (range - 0-80 deg) and Dorsey flexion plus radial deviation (range : 0-80 deg for the adult and paediatric patient).
- Gear mechanism for continuous operation.
- Can be used for both left and right portion of the patient.
- Must be well cushioned for comfortable feel.
- Should have adjustable for range of motion
- Provided with patients safety switch.
- Treatment timer : 0 to 60 min
- Features for Up & Down control limit button to control reverse direction movement
- Range of motion delay (For each movement pattern) : 5,10,15,30,45 sec
- Range of motion delay (For each movement pattern: 5,10,15,30,45 sec

14.4: Power Supply:

- The unit should work on 230volt & 50HZ supply
- The unit should have inbuilt over voltage protection.

14.5: Quality Standard:

- The model should be USFDA /CE approved.
- The manufacturer should be ISO13485 certified
- The model should be compliance to electrical safety standards of IEC60601-1

15. Parallel Bar

15.1: Clinical Use: It use for horizontal surface gait training, Coordination training of lower limb in various neurological conditions like paralysis, GBS, Parkinson etc.

15.2: Technical Specification

- The parallel bar should be a height adjustable; plat form based one which should be very simple for easy accommodation of multiple patients of age group.
- The handrails should be in single piece, circular in design stainless steel ribbed pipe of minimum diameter 1 1/2".
- Both the end of the handrails should be fitted with bumpers.
- The Uprights should be made of heavy gauge square 1 1/2" steel tubes.
- All parts should be powder coated except the handrail. The handrail should single piece stainless steel pipe
- The uprights are to be fitted on a 1 1/2" thick hard plywood base water and termite resistance. Both end of this platform should be curved slope for obstruction free. The platform should be stain finish. Both the end of the plat form should have two anti-slip threads for none skidding.

- Safety treads at both ends of platform should be provided for safety of the patient when take turn.
- Models make it safer for patient to turn

15.3: Minimum dimension of the structure:

- Length of the bar: 10feet
- Width of the bar: 25" – 28"
- Height adjustment of the Bar: 26" – 39"
- The manufacturer should be ISO approved.

16. Stair climbing training unit

16.1: Clinical Use: It use for vertical gait training, Coordination training of lower limb in various neurological conditions like paralysis, GBS, Parkinson etc.

16.2: Technical Specification

- The stair case shall be a Small Up and Down type with 6step UP and 4 step down.
- The patient can ascend and descend without turning.
- The stairs are to be 10" of minimum depth.
- The total length of the stair case should be fitted with two full width rails
- It should bear a load capacity under normal for all category of patient.
- Can be easily sifted to any space.
- Dimension:
- For down four steps: 10"L x 30" W x 6" H
- For UP four steps : 10"L x 30" W x 4" H
- The base platform: 24"Lx 30"W x 24" H
- Complete unit shall be made of good quality Poly Wood of water and termite resistance
- The supplier should be ISO certified.

17. Adult Trampoline

17.1: Clinical use: Use for coordination training of Parkinson, tabes dorsalis and vestibular rehabilitation.

17.2: Technical Specification:

- Compact round trampoline, shape- round.
- Dimensions: diameter of the mat minimum 350cm
- The mat made of polypropylene.
- The perimeter should be padding to cover the springs and protect jumpers from a fall or finger pinching. The padding should be made of
- Anti-UV treatment on the safety pad, bed and net for optimal outdoor use

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- Minimum lateral installation clearance
- Minimum 40mm galvanised steel frame.
- Maximum user weight 200kg
- Height of the mat above ground minimum 1feet
- 5-6 legs U shaped legs.
- 65-70 springs

17.3: Quality specification

- The product should be CE approved.
- The manufacturer should be ISO certified.

18. Tilt Table (Electrical)

18.1: Clinical use:

- Tilt Table is primarily use to transitionally bring a patient into a progressively upright standing position. They are used with bedridden, wheelchair bound patients or with people who are unable to support their own weight due to neurological impairment or injury.

18.2: Technical specification:

- It should function like an electric operated table with vertical to horizontal tilt is achieved with an easy-to-turn.
- Crank is angled to provide leverage for maximum lifting efficiency.
- The table should have three positioning (0-90 degree) straps for security on raising the patient.
- Should have minimum 28" wide surface with an extra-wide footboard (20"W x 18"D),
- Minimum 2"-thick high-density (40) foam/Moulded foam padding.
- Made of heavy-duty steel frame with vinyl upholstery.
- Surface area: 28"Wx 78"LLx 33"H (approx.). approximate
- The table should be operate on 230Volt, 50Hz AC electricity supply

Standard Quality

- The manufacturer should be ISO 13485 certified
- The model should be CE/BIS approved.

19. Manual therapy Bed unit

19.1: Clinical Use: Use for examination bed, Manual therapy bed for providing mobilisation, stretching, passive movement etc.

19.2: Technical Specification:

- A 3 section, variable height plinth.
- With breathing slot at head end
- This plinth is built for sustained heavy use.
- Length : 74" Approx
- Width : 28 " (Approx.)
- Height Adjustment : 21 inches to 37 inches approx
- Head rest up and down Gas Spring
- Couch up and down Motorised
- The frame and the base shall be made of MS with powder coating.

20. Wage board:

20.1: Clinical use:

- For gross-motor activities as rolling tumbling, walking up or downhill or just lying down to read or study. Excellent for positioning severely disabled children.

20.2: Technical specification:

- Size : 10" X 24" X 26" & 12" X 24" X 26"
- Made up of plywood of 19mm Thickness.
- It should be covered with a polyvinyl coating cover.
- Should not collect sweat, odour or dirt and should be easily wiped & cleaned with a damp cloth.
- Should have non sticky & non skidding surface.
- Should provide cover bag for safe keeping & handling.
- The manufacture should be ISO certified.

21. Adult Roller & Balance board (wobbles' Board)

21.1: Clinical use

- It should be useful for adult & paediatric.
- It should be used for rocking from side to side, spinning around and balancing where a patient can stand or sit.

21.2: Technical Specification:

- The board made up off 19mm thick ply wood.
- The board should be provided with anti skid profile and four integrated handlebars.
- It should be covered with a polyvinyl coating cover.
- Should not collect sweat, odour or dirt and should be easily wiped & cleaned with a damp cloth.
- Dimension:
 - Adult roller: length – 30", Radius -8" approx.
 - Balance board: approximate 4' (L) x 2'(W) across and approximately 7 inches height.
- The manufacturer should be ISO certified.

22. Therapeutic Mat:

22.1: Clinical use:

- Used for various mat exercises like stretching, active exercises to geriatric patients, paralysis and other neurologically impaired patients.

22.2: Technical Specification

- Made of good quality foam of minimum density of 40kg/cm³
- The thickness of the mattress should be 4"
- Dimension: 6.5ft (L) and 3 ft(W)
- It should be covered with a polyvinyl coating cover.
- Should not collect sweat, odour or dirt and should be easily wiped & cleaned with a damp cloth.
- Should have non sticky & non skidding surface.
- Should provide cover bag for safe keeping & handling.
- The manufacturer should be ISO certified.

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23. Shoulder wheel, over head pulley, Shoulder ladder (set)

23.1: Clinical use:

- Used for improving mobility & strength of shoulder girdle & rotator cuff muscles in case of frozen shoulder, paresis & paralysis cases.

Technical Specification:

A. Shoulder Wheel:

- It should be a wall mounted one.
- The wheel for use of adult and paediatric
- The motion arc can be adjustable from 10 to 38 inches by adjusting the handle.
- The wheel shall be mounted on a two chrome plated height adjustable (8" to 26") rails.
- The resistance can be varied by turning the resistance knob.
- The manufacturer should be ISO certified

B. Over Head Pulley:

- Heavy duty, medical grade, shoulder pulley exerciser for physical therapy use.
- Over the door metal bracket allows easy one hand setup.
- Units with a door strap require two hands, which is difficult with an injured shoulder.
- Easily adjustable cord length for any height and for use in both seating and standing position.
- The overhead pulley should have the provision of wall mounting.

C. Shoulder Ladder:

- Wood Finger/Shoulder Ladder
- 32 vertical finger steps
- Solid wood with heavy topcoats
- Pre-drilled mounting holes
- The manufacturer should be ISO certified.

24. Foot Bath Unit

24.1: Clinical Use: Use for diabetic foot, leprosy foot for debridement of dead skins and softening the skins in case of neuropathy.

24.2: Technical specification:

- Foot bath tub of size-L-12 X B-14 x D-6 1/2
- With top lid to cover when not in use.
- 3 function vibration massage bubble massage water tempering
- Attached infrared light spots
- Attached massage naps
- Removable splash protection
- Non Slip rubber feet
- Cord length -6 meter with auto winder
- Power : 220 Volt, 50 Amp & 60-100W

25. Quadriceps training unit including weight cuffs & dumbbells:

25.1: Clinical Use:

- Use for strengthening of lower limb and abdominal muscles in cases of paresis, paralysis, post surgical rehabilitation etc.

25.2: Product Eligibility Criteria:

- Should be CE /ISI approved product.
- Manufacturer should be ISO 9001 certified for quality standards.
- Manufacturer should have ISO 18001 certification for Occupational Health & Safety Assessment Series (OHSAS)

25.3: Technical Specifications:

- 2 folded top.

- Should be made up of rectangular CRC frame with epoxy powder coating.
- Should have facility of arm rest with height adjustment.
- Should have 2 inch cushion top seat with high quality rexin cover.
- Should have back rest adjustment with angle range of 5 to 90 degree with locking facility.
- The torque unit should have two lever arms with one adjustable weight and other one providing fixed contact with patient.
- Should have facility of changing the angle between two arms for providing maximum resistance at any point in the range.
- Should have height adjustment facility for torque unit with locking facility.
- Load range should be with maximum 100kg.
- Weight cuffs (6 Nos.) : ½ Kg - 3 Kg (1 each)
- Dumbbell (6 nos.) : ½ Kg - 5 Kg (1 each)

26. Treatment wooden beds with Mattress

Technical Specification:

- Foam rubber padded top,
- Size 72" x 24",
- upholstered with rexine & had adjustable back rest of 18" length which can be adjusted in height for desired position
- Two drawers is provided underneath the top.
- Top is mounted on sturdily built well polished hardwood legs & frames. Total height 31"
- 2 step wooden stairs should be provided with the bed.

27. Hand rehabilitation Therapy unit

27.1: Clinical use : Used for exercise of fingers, intrinsic muscles, wrist flexor & extensor etc. In cases of paresis & paralysis of upper extremity.

27.2: Technical specification:

- Hard-wood table with laminated top, size 25" x 35" x 30" high.
- Fitted with 6 pulleys in a steel frame. Leather loops and nylon cord passing through the pulleys with adjustable hanging weight underneath for Fingers Hand, Wrist and Forearm exercises.
- Especially for Metacarpo-phalangeal & Inter-phalangeal joints.
- Provided with Supinator/Pronator and Wrist-Circum-duction wheel for Wrist exercises.
- Comes with Five sets of weights, each set consists of 5 weights of One each of 100, 200, 300, 400 and 500 grms.
- Attached hand gym kit board on table top. Which have following features
 - Laminated exercise board with storage drawer,
 - Have several holes to fix Pegs and Springs.
 - Comes with One finger Disc, One Roller, Three Spring loaded Knobs, 3 Aluminium pegs and 3 Sets of Springs of different tensions.
 - The unit permits active flexion and extension exercises of the finger and grip.
- Therapy Putty: FIVE packs of 450gm each in five different resistances.
- Medicine Ball Set: FIVE balls, 1, 2, 3, 4 & 5kg.

28. Thera bands /Elastic bands (Flat type) :

28.1: Clinical use: Stretch-It a resistive treatment & exercise system with unlimited options.

28.1.2: Technical specification:

- With each roll of 15cm wide x 5 meter long bands. Full Set of Five rolls come in following FIVE resistances for adult use.
 - (a) Light: Yellow.
 - (b) Medium-Light: Red.
 - (c) Medium-Heavy: Green.
 - (d) Heavy: Blue.
 - (e) Extra-Heavy: Black.

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28.2: Grip Exerciser: Use for strengthening of hand grip.

- Chrome plated finished, metallic grip exerciser is fitted on a 75mm wide laminated base.
- Suitable for patients with very weak / infirm hand.
- Gives heavy resistance with Six detachable springs.
- The upper bar is calibrated in centimeters and is provided with a needle to mark & record the daily progress.

30. Diagnostic equipments

30.1. BP apparatus:

- Technique: Aneroid
- Shock proof
- Latex free, Light weight ; easy to carry
- Range of BP monitoring : upto 300mm Hg with a accuracy of +3Hg
- The housing of the meter should be made of good quality thermoplastic/ corrosion proof aluminium alloy.
- The insufflations bulb should be made of good quality material and should allow rapid insufflations.
- The pressure release valve should permit precise release of pressure and also allow fast deflation.
- Micro filter must provide to protect air release valve and measuring system.
- Spoon-shaped grip made of stainless steel.
- The device should be shock resistant
- Should be supplied with a good quality carrying case
- Should be supplied with following reusable cuffs: Child, and Adult.
- The cuff should be latex free. The cuff surface should be easily cleanable by wash.
- The equipment should have comprehensive warranty for 3 years. The calibration should be for 3 years free.
- The instruments should be CE marked (certificate to be submitted in technical bid)
- Manufacturer should be ISO 13485 approved

30.2. X ray-reader/X-ray veiw Box: use for X-ray viewing.

- Single plate X-ray viewing screen
- LED lamps controlled by dimming ballasts
- Control luminance without flicker
- Uniform level of illumination across the entire front panel
- Sealed flush with the inside face of the operating theatre wall
- Spring loaded clips to secure the X-ray
- Minimum lamp hour: 30000hr
- Colour temperature should be of minimum: 4500K

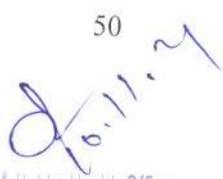
30.3. Gonio-meter: Use for measurement of joint range of motion.

- 3 different size Goniometer to accurately measure the axis and range of motion in a particular joint.
- Manufactured from clear toughened plastic for unrivalled durability.
- 12 Inch Goniometer featuring three different scales. 360 degrees. Metric and Imperial.
- Calibrated with the ISOM System.
- Manufacturer should be ISO certified.

30.4. Hand grip & pinch Dynamometers: Use for hand grip test and muscle strength measurement.

- Maximum reading remains until the unit is reset

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- Five position handle and body
- Strength reading can be viewed as pounds or kilograms
- CE Certified
- Supplied in a protective carrying case
- The manufacturer should be ISO certified.

30.5 Knee hammer:

- Used to test joint reflexes or bone fractures in the joints
- The Taylor hammer features a 7.5 inch chrome handle
- Has a colored triangular rubber head
- The manufacturer should be ISO13485 approved

30.6 Plumb unit: Metallic plum with nylon thread

30.7 Stadio meter:

- 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)
- The manufacturer should be ISO certified
- Warranty : 1 Year

30.8 Weighing scale:

- Sturdy dial type mechanical platform weighing machine for adult and children.
- Zero adjustment facility should be there.
- Resolution : 50 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 Dept., Govt. of Odisha.
- ISO 9001 certified manufacturer (certificate to be submitted). Warranty: 1 Year

30.9 Inch tape:

- Spring controlled.
- The measuring tape should be
- The measuring tape made of woven fabric.
- It should be cleanable .Measurment range - 5 foot
- The tape should have both inche and centimeter scale.
- The calibration certificate should be provided.

30.10 Skin fold measurement Calliper: Use to measure skin fold thickness for body fat analysis.
Technical specification:

- Measurement Range: 0 to 70mm
- Material: ABS
- 1 Body Fat Calliper
- Measure Tape
- Measurement Chart

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- Baby Weighing Scale with Sling
- Should have Tough Nylon Plastic (Black) body with demonstration photos in white color
- Capacity: Maximum load capacity should be 5 Kg
- Each Product should be stamped by weigh & Measurement Department.
- Should have color coded reading scale.
- Should have Zero Adjustment.
- Should have inbuilt overload protection.
- Minimum gradutation should not be less than 100gms.
- Scale should be fitted with an approx 3" rod handle with non-corrosive metallic ring on top and S shaped hook at the bottom for suspending the sling bag.
- Spring used in the scale should be made of heavy duty steel spring, non-corrosive grade II.
- Sling bag should be made of double stitched tough & tear resistant 100% polyester to weigh the baby (with load carrying capacity of at least 7KG) sling bag width at the middle of the bag : 24" Two nos. sling bags should be provided in each baby weighing scale.

2. Clinical Digital Thermometer

- Digital Thermometer with Fahrenheit scale
- Safe to use, automatic, no glass, no mercury
- Measurement rage : 90.0° F to 109° F
- Measurement accuracy : +/- 0.2°F between 98.0°F to 102.0°F
+/-0.3° F between 96.4 F to 98.0°F
+/-0.3° F between 102.0 °F to 106.0°F

(Type testing Certificate from lab relating to measurement accuracy need to furnished in technical bid)

- Should have auto shut off Facility.
- Display should be LCD Type.
- Beeper alarm of approx. 10 Seconds sound signal when peak temperature reached.
- Battery operated
- Should have more than 200 hrs. of battery life.
- Warranty : 1 Year

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