

CHIEF DISTRICT MEDICAL & PUBLIC HEALTH  
OFFICER, MALKANGIRI

Tel: 06861-231543

Tender Reference No- 2710

Dated.18.03.2022

TENDER DOCUMENT

FOR

Equipment, Three Seated Chair & Canopy etc.  
under NHM, Malkangiri

Address for Correspondence-

OFFICE OF THE

CHIEF DISTRICT MEDICAL & PUBLIC HEALTH  
OFFICER, MALKANGIRI

At/Po-DNK, Dist- MALKANGIRI, Odisha

Pin-764045

**OFFICE OF THE CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER,  
MALKANGIRI**

**NOTICE INVITING TENDER**

Tender Reference No. : . 2710 /CDM&PHO/2021-22/ Equipment, Three Seated Chair,  
Canopy, etc. under NHM, Malkangiri

Dated:

**TENDERS ARE INVITED FROM ELIGIBLE BIDDERS**

1	Period of Availability of Tender Document	<p>(Downloadable from website: <a href="http://www.malkangiri.nic.in">www.malkangiri.nic.in</a>)</p> <p>In case of any bid amendment and clarification, responsibility lies with the bidders to collect the same from the above mentioned website before last date of submission of tender document and the tender inviting authority shall have no responsibility for any delay / omission on part of the bidder.</p>
2	Last date & time for submission of Tender	<p><b>Date: . 25.03.2022 Time: 11:00 A.M.</b></p> <p><b>Address of Submission of Bid:</b> OFFICE OF THE CHIEF DISTRICT MEDICAL&amp; PUBLIC HELATH OFFICER, MALKANGIRI <i>(Through Speed post / Registered post/ Courier)only</i></p>
4	Date, time and place of opening of Tender	<p><b>A. Technical Bid (Cover A) opening: 25.03.2022 at 12.00 Noon in the address mentioned above.</b></p> <p><b>B. Financial Bid (Cover B):</b> <i>The date of opening of financial bid will be intimated to the firms found successful in the technical bid evaluation.</i> <i>( Venue is mentioned at the address mentioned above)</i> <i>(Bidders / authorized representative may remain present at the time of opening of bid)</i></p>

# TENDER DOCUMENT FOR EQUIPMENT, THREE SEATED CHAIR & CANOPY UNDER NHM MALKANGIRI

## Section – I (Instruction to Bidders)

01. Sealed tenders are invited from registered firms/agencies (with GST registration having GSTIN) having adequate experience in supply of different type of Equipment, Three Seated Chair & Canopy under NHM, Malkangiri.

02. Interested bidders may obtain details terms and conditions from the website for taking up this assignment. The interested bidder may download the tender document from the website [www.malkangiri.nic.in](http://www.malkangiri.nic.in).

03. The tender should be submitted in two parts i.e. **Technical Bid (Cover-A)** and **Financial Bid (Cover-B)**. The bidders should submit their **technical** and **financial** bid **separately** in **two separate envelopes** and the same should be put into **another cover envelop** superscribed as **“Tender for Equipment, Three Seated Chair, Canopy etc. under NHM, Malkangiri to adv. No. \_\_\_\_\_”**. The Technical & Financial Bid envelopes should be clearly marked as Technical Bid & Financial Bid on the top of the relevant envelopes. The tenders should be addressed to:

***The Chief District Medical & Public health Officer,  
Malkangiri,  
DNK ROAD Malkangiri, Pin -764045, Odisha***

04. Bidders who **qualified in technical Bid**[as per submission of relevant valid documents as asked to be submitted in Technical Bid – Part 1 - Tender Forms (T1,T2 & T3), fulfilling all the terms & condition of the tender document and inspection of infrastructure of the bidder if required], their **Financial Bid** (Part 2) shall **only** be opened. The circulars issued by the Finance Department, Govt.of Odisha from time to time regarding tax matters shall be taken into account for evaluation and shall be binding on the bidders. The bidders are requested to clearly mention the **% of GST along with HSN Code of GST** separately **against each item** as mentioned in the price bid format (Part 2). The unit price (exclusive of tax) shall be taken into account for evaluation. Also during evaluation, as per the Govt. of Odisha Finance Deptt. Office memorandum No. 13290 dtd. 02.04.2013 (Clause 2), the price preference system shall be applicable to **local micro & small enterprises** registered with respective DIC, Khadi, Village, Cotton & Handicraft Industries, OSIC and NSIC.

05. As per Finance Department office memorandum no.21926 dtd. 12.8.2015, **Local micro & small enterprises** registered with respective DIC, Khadi, Village, Cotton & Handicraft Industries, OSIC and NSIC while participating in tenders of Government Departments & Agencies under its control shall be exempted from payment of earnest money. On conclusion of the bidding process, the local MSE bidder, if selected, shall be required to pay 25% of the value of performance security.

Section-2

**TERMS AND CONDITIONS**

Terms & Conditions		Documents to be Submitted
1	The organization should be a bonafide registered body	Photo copy of the Registration certificate
2	The organization must have GST registration certificate (with mention of GSTIN) and PAN	Photo copy of GSTIN & PAN
3	Annual turnover of the bidder must be <b>≥ 10 Lakhs</b> in <b>each year</b> of last three preceding financial years.	Audited Balance Sheet & P&L account of last three preceding financial years duly certified by Chartered Accountant with membership No.
4	The organization will have to submit an <b>Affidavit (On original Stamp Paper of relevant value)</b> with the following clauses:- 1. It has not been blacklisted by any Government Organization 2. The organization does not have any legal suit / criminal case pending against it for violation of PF /ESI/MW Act or any other law. 3. The Directorate will have no liability regarding transportation, loading and unloading of material and all the material ordered shall be delivered at the designated place in good condition. The defective or damaged printed material if any will be replaced by the Organization. 4. That the organization agrees to abide by all terms & conditions of tender 5. The organization will quote prices (Exclusive of GST)	Affidavit
5	Tender must be accompanied by <b>EMD of 02% of quoted rate (if the bidder is other than local MSME)</b> as mentioned in <b>Para 07 of Section-I</b> by way of Demand Draft (Must be submitted), drawn on any Nationalized / Scheduled Bank in favour of <b>“ZSS non- NRHM, Malkangiri”</b> . Tenders (if the tenderer is other than local MSE) if not accompanied by EMD will not be entertained.	Demand Draft
6	The tenderer should furnish the copies of the work order executed in similar type of printing works during the last three years.	Photocopies of work orders executed.
7	The head of the organization (bidder) should submit an authorization and specimen signature of their authorized signatory if any.	Authorization regarding specimen signature of authorized signatory
8	The successful bidder (if other than Local MSE) will have to deposit <b>Performance Security @ 10%</b> of the work order value by way of demand draft drawn on any Nationalized / Scheduled Bank payable at Malkangiri in favour of Chief District Medical & Public Health Officer, Malkangiri/ Bank Guarantee from any Nationalized / Scheduled Bank. The successful bidder (if Local MSE) will have to deposit 25% of the stipulated <b>Performance Security</b> (i.e. 25% of 10% of the work order value) by way of demand draft drawn on any Nationalized / Scheduled Bank payable at Malkangiri in favour of Chief District Medical Officer, Malkangiri / Bank Guarantee from any Nationalized/ Scheduled Bank. The performance security shall be returned on successful completion of the assignment without interest. The performance security may be forfeited towards compensation for any loss resulting from the successful bidder's failure to fulfil the obligations under the scope of work and terms & conditions of the Purchase Order.	To be submitted at the time of Acceptance of the work order

9	Conditional Tenders (like alternative price offers etc.) are liable to be rejected. In the event of acceptance, CDM&PHO decision will be final. The tender, which is not as per our required specifications will not be considered.	
10	A committee selected by the authority may inspect the printing press of the qualified bidder before finalization of financial bid to verify the capacity of printing & other aspects of the offset press & relevant documents.	
11	If the successful bidder/ bidders fails to supply the entire quantity within the stipulated period (as mentioned against each item in <b>Para 09 in Section I</b> ), liquidated damage @ of the following % of the relevant contract value, <b>per week of delays</b> after the stipulated time shall be calculated: 1% for 1st week, 2% for 2nd week, 4% for 3rd week, 8% for 4th week, 16% for 5th week & 30% for 6th week. Default beyond 6th week shall amount to cancellation of work order/contract. The defaulting firm shall not be allowed to participate in the next tender for any item under NHM. Performance Security deposited by the defaulting firms shall be forfeited.	
12	The undersigned will not make any advance payment to the organization. The organization will have to carry out the entire job on its own. 100% payment shall be made after delivery of the full quantity. The payments will be paid only after satisfactory completion of the job, submission of bill in that regard .	
13	All information, documents and data coming in the possession of the organization as a result of execution of the job shall at all time remain the property of Chief District Medical & public Health Officer, Malkangiri. The organization shall not make or allow any of his employee or agents etc. to make an unauthorized copy, use, access or other utilization of this material commercially or otherwise, directly or indirectly except as agreed to by the Directorate. The organization shall also ensure complete confidentiality of the information and data provided to it in the course of carrying out the job.	
14	Bidder must have sound knowledge of latest intellectual and property right. The authority who assigns the work is in no way responsible for any deviation made by the printer in this regard.	
15	The cost towards the testing of paper (as mentioned in clause 19) will be borne by the successful bidder.	
16	The Authority reserves the right to accept or reject any or all the tenders without assigning any reasons whatsoever	
17	<b>Rates quoted</b> against this tender notice shall remain valid up to <b>12 months</b> after award of contract. No request for increase in rates, if any, will be allowed or entertained during this period. Printing should be as per Specification.	
18	Page numbering of the Proposals must be done otherwise rejected.	
19	Jurisdiction: All legal disputes are subject to the jurisdiction of Malkangiri courts only.	
20	The bidder shall submit its proposal in the form and manner specified in the Tender.	

**FORMATS - Part 1**

**FORM – T1**

**(To be submitted in Technical Bid Envelop)**

**(The documents has to be arranged serially as per the order mentioned below)**

<b><u>1</u></b>	Name of the Organization	
<b><u>2</u></b>	Address of the organization	
<b><u>3</u></b>	Name of authorized signatory (in capital letters)	
<b><u>4</u></b>	Authorization and specimen signature of the authorized signatory	
<b><u>5</u></b>	Telephone number of authorized signatory / Organization	
<b><u>6</u></b>	Registration no (Attach photocopy of registration certificate of the Firm / Registration certificate issued from DIC in case of local MSE registered with respective DICs, Khadi, Village, Cottage & Handicraft industries, OSIC and NSIC)	
<b><u>7</u></b>	GST registration acknowledgement (Photocopy of GST registration)	
<b><u>8</u></b>	PAN (Photocopy of PAN)	
<b><u>9</u></b>	Annual turnover certificate duly signed by Chartered Accountant must be submitted for last 3 years (Turnover must be $\geq$ 10 Lakhs each year) .	
<b><u>10</u></b>	Draft number & date of tender document Cost (Non-Refundable) of <b>Rs.1, 180/-</b> .	
<b><u>11</u></b>	Draft number and date of the <b>EMD of 02% of quoted rate</b> [Pl. refer to the <b>Clause 07 of Section– I related to submission of EMD - will submit 25% of the prescribed EMD</b> ]	
<b><u>12</u></b>	Affidavit of declaration ( <i>On original Stamp Paper</i> ) as per Clause 4 of the terms & condition	
<b><u>13</u></b>	Whether all documents submitted signed by the authorized signatory of the organization ( Yes/ No)	

**DECLARATION**

I / we hereby certify that the terms and conditions, specification etc. given with the tender notice have been read carefully and acceptable to me/us and that the information furnished above is full and correct to the best of by my/our knowledge. I / we understand that in case of any deviation/forged information in the above statement at any stage, our Firm/Agency will be blacklisted and will not have any dealing with your organization in future.

(Signature and seal of the authorized signatory)

Place  
Date

**Seal**



FORM T3

(Refer Clause No. 3 relating to annual turnover)

(To be submitted in **Cover A -Technical Bid**)

(To be furnished in the **letter head** of the Auditor/ Chartered Accountant firm in original refer to this tender call notice No)

**ANNUAL TURN OVER STATEMENT**

The Annual Turnover for the last three financial years of M/s \_\_\_\_\_ who is a Manufacturer /Distributor/Importer (*Pl. tick whichever is applicable*) are given below and certified that the statement is true and correct.

Sl.No.	Year	Turnover in (Rs.)
1.	2018 –2019 (FY)	-
2.	2019- 2020 (FY)	-
3.	2020- 2021 (FY)	-

**Average Annual Turnover** (for the above three years) in (Rs.) \_\_\_\_\_

Date:

Place:

Signature of Auditor/  
Chartered Accountant  
(Name in Capital)

Seal

Membership No.-  
Registration No. of Firm

**Note:**

- a) To be issued in the **letter head** of the Auditor/Chartered Accountant mentioning the Membership no.

**FORM T4**

(To be furnished in Technical Bid)

**PAST EXPERIENCE IN EXECUTING MAJOR SUPPLY OF EQUIPMENTS, THREE SEATED CHAIR & CANOPY**

Name of Assignment	Name/address of the Organization for which similar supply of Equipments have been executed	Date of award of Assignment	Date of completion of assignment	Value of the Work order (Rs.)

Note: Please furnish the **Work order copies** of the works executed in support of the information mentioned above.

Authorized Signatory [*In full and initials*]: \_\_\_\_\_

Name and Title of Signatory: \_\_\_\_\_

Name of Firm: \_\_\_\_\_

Address: \_\_\_\_\_

(Company Seal)

## FORWARDING LETTER/SELF DECLARATION FORM

(To be submitted on Bidder's in non-judicial paper)  
*[To be submitted in Technical Bid]*

To  
CDM & PHO cum District Mission Director  
Malkangiri  
At/Po- Malkangiri DNK Road-764045  
Dist- Malkangiri

Dear Madam/Sir,

Sub: Your Tender Ref. No. \_\_\_\_\_, Dated \_\_\_\_\_.

This is with reference to your above mentioned tender for supply of DEIC Equipment/Three Seated Chair/Canopy for DEIC-RBSK Malkangiri. Having examined the tender document, we hereby submit our proposal along with the necessary documents. I / We hereby declare that our company is having unblemished past record and was not under a declaration of ineligibility for corrupt and fraudulent practices issued by Government of India or any State Government/PSU in the country of India.

Further, we agree to abide by all the terms and conditions as mentioned in the tender document. We have also noted that NHM reserves the right to consider/ reject any or all bids without assigning any reason thereof.

Date: \_\_\_\_\_/\_\_\_\_\_/2022

Authorized Signatory:

Name:

Designation:

Place:

Phone:

Email:

## TECHNICAL BID:

Documents to be submitted in the Technical Bid otherwise rejected are follows:

- i. Demand Draft towards EMD of **02%** of *quoted rate* in favor of “ZSS non- NRHM, Malkangiri” payable at Malkangiri only DD from any national Bank.
- ii. Copy of PAN card and IT return acknowledgement slip of last three F.Y 2018-19, 2019-20 & 2020-21.
- iii. The bidder must furnish copy of GST Registration certificate.
- iv. Forwarding letter & Self-Declaration form on non-judicial paper as per Page No-16 and Page No-9 (Clause-4) respectively.
- v. **Registration certificate of the firms.**(DIC /Firm act.)
- vi. **Sample paper for each item.**
- vii. **Last three years experience (order copy of same category of work for each 3year).**
- viii. **Tender cost Rs.1,180/- in favor of “ZSS non- NRHM, Malkangiri” payable at Malkangiri only DD from any nationalize Bank.**
- ix. **Annual turnover** certificate duly signed by Chartered Accountant must be submitted for last 3 years(Turnover must be  $\geq$  **10 Lakhs** each year).

### 1. PRICE BID

- i. Hard Copy signed & sealed both in words and figures.
- ii. The Price bid of the technically qualified bidders will only be opened.
- iii. The net quoted price (Cost of Printing along with all taxes & transportation) should both in figures and words. In case of difference in words and figures, words will be taken into consideration for evaluation.

### 2. EARNEST MONEY DEPOSIT – (EMD)

- 2.1 **02% of quoted rate** should be paid as EMD in the form of Demand Draft from a Nationalized Bank located in India, drawn in favor of **ZSS Non-NRHM**, Malkangiri payable at Malkangiri and submitted in the Technical Bid. The bidder should write the organization name at the back side of the DD. ***Bids without EMD shall be treated as non-responsive and will not be accepted. No exemption from submission of EMD is allowed.***
- 2.2 The EMD of successful bidder is liable to be forfeited if the tenderer, revokes any terms of the tender within the validity period that will liable towards ***blacklisting for minimum 2 years & concerned party could not participate in further bidding in under Zilla Swasthya Samiti, Malkangiri.***
- 2.3 EMDs given by unsuccessful bidders will be refunded after placing of work order to the successful bidder.
- 2.4 EMD of the successful bidder will be forfeited in case the successful bidder fails to accept/executes the order.
- 2.5 EMD of successful bidder will be returned after receiving of successful delivery certificate of all items.
- 2.6 EMD shall not carry any interest.

### 3. EVALUATION :

The rates of the item quoted by the technically qualified bidders will be evaluated after taking the following points into consideration: -

- 3.1 Rate of items of each bidder will be taken after inclusion of all taxes as applicable.
- 3.2 After Evaluation the lowest Eligible Bidder (NET Price) will be selected.

## PRICE BID FORMAT

Sl. No	Name of the Item	Specification	HSN code (4 digit code) of the % of GST mentioned in Column F	Quoted rate Per unit/set Exclusive of GST (Rs.)	% of GST	Quoted rate Per unit/set Inclusive of GST
A	B	C	D	E	F	G

**Note:** The prices should be quoted by taking into account the place of delivery mentioned against the item (mentioned at Para 10- Section II) and the two stage paper testing procedures (as mentioned at clause – 4 of Section – I).

(Rates per Unit quoted should be **inclusive** of all costs, transportation to the consignee place (as mentioned in **Para 10** in Section–I) & **exclusive** of GST if any as applicable (The % of GST if any **must be** mentioned in the separate column mentioned above).

Evaluation shall be made on the Price per Unit (Exclusive of GST). In case of different % of GST for the relevant item (s) quoted by bidders, the correct % of GST shall be applicable.

(Signature of the authorized signatory)

Place:

Date:

Seal

**SCHEDULED OF REQUIREMENT WITH SPECIFICATIONS (PAED. USE ONLY) Annex-I**

Sl. No.	Unit	Name of the Equipment with specification	Quantity
1	Vision Equipment (Paed. Use)	Log Mar Charts	1
2		Pencil Torch with yellow light	1
3		Infant and toddler VEP or Visual Evoked Potential Testing Equipment	1
4		Lea Near Vision cards with symbols with card	1
5		Hiding Heidi Low Contrast Face Test, serial No.253500; Double sided	1
6		Spectacle Occuder item #52327	1
7		Occluder Glasses item #52851	1
8		LEA SYMBOLS Chart for Vision Rehabilitation item no.258000	1
9		Leo Learns by doing -DVD for interaction with a vision impaired child (790000)	1
10		Lea Fixation stick	1
11		Canon Power Shot TX1 digital camera	1
12		Random Dot Butterfly stereopsis test ith immediate -sized Polarized glasses	1
13	Equipments for Psychological Assessment (Paed. Use)	LPT : Linguistic Profile Test	1
14		Denver Developmental Screening Test II (DDST-II)	1
15		Piagets Sensori-Motor Intelligence Scale 0-2 years + Piagetian Cognitive Tasks	1
16		Childhood Behavioral Checklist CBCL	1
17		Cerebral Palsy and Neuro-motor impairment INCLN (INDT-NMI)	1
18		INCLN Diagnostic Tool for Epilepsy (INDT-EPI)	1
19	ADHDT 2	1	
20	Sensory Integration Equipments (Paed. Use)	Pinspot and Mirror Ball	1
21		Mirror Ball Motor	1
22		LED Mirror Ball	1
23		Fire Ball- mounted on the roof	1
24		Sound Activated Light	1
25		LED Bubble Tube	1
26		OPTIC fibres	1
27		Bubble Tube	1
28		Rotating Drum	1
29		Chime Frame and Beater	1
30		Mirror Chime Bout	1
31		<b>Swings :</b>	
32		Bolster swing	1
33		Platform swing	1
34	Tyre tube swing	1	
35	Rope ladder swing	1	
36	Rhythmic Rocker	1	
37	Speech & Hearing Wing (Paed. Use)	OPD Material	1
38		Thudicum's speculum set	1
39		Killian's speculum set	1
40		Posterior rhinoscopic mirrors	1
41		Aural Speculum all sizes black finish	1
42	Nasal Packing Forceps	1	
Sl. No.	DEIC Unit	Name of the Equipment with specification	Quantity
43	Speech &	Aural Suction Tips (Micro suction adapter)	1
44	Hearing Wing	Nasal Suction Tips	1

45	(Paed. Use)	Hartman's Forceps	1
46		Eustachian tube catheter	1
47		Punch biopsy forceps	1
48		Laryngeal biopsy forceps	1
49		BP Handles of various sizes (Available in district store)	1
50		Tongue depressor	1
51		Therapy Ball : 65 cm	1
52		45 cm and a pump for inflation	1
53		<u>Therapy mats</u> - 6ftx3ft (Length 6 ft and breadth 3ft, thickness 4cm)	1
54		<u>Bolster:</u>	
55		2ft long, diameter-8 inch	1
56		2 ft long, diameter-10 inch	1
57		<u>Small roll</u> - 13 inch long, diameter-3 inch	1
58		<u>Prone Wedges</u> Foam filled wdges covered with Nylon, fitted with Rexene straps to position the child	1
59		Big - Height-14 inch; Length-31 inch, Breadth-17 inches	1
60		Small - Height-10 inch; Length-26 inch, breadth-17 inches	1
61		<u>Balance Board</u> Rexene covered cushioned platform, size 45 cm x 60 cm x 15 cm high	1
62		Kaye-Walker (Height: 48-64 cm distance between hand grips 34 cm, frame width 58-60 cm, frame length 69-83 cm, user height 107-137 cm, maximum user weight 39 kg., frame weight 3.85 kg)	1
63		Trampoline (Small)	1
64		<u>Bolster swing</u> With nylon rope or straps with hooks to fit in the swing frame. Size 25 cm diameter x 90 cm long	1
65		<u>Wooden Benches with cushion and Rexene Cover</u>	
66		a) Small (3ft long, height 8 inches, breath inches)	1
67		b) Big (3 ft long, height 12 inches, breath 8 inches)	1
68		Splints (Ankle Foot Orthosis)	1
69		<u>Special Chair</u> With cut-out tray (Tailor made according to need of the child)	1
70		Cut-out floor table (2ft x 2ft)	1
71		Floor seat (Pelvic strap)	1
72		Looking Mirrors	1
73		Toys (for play and stimulation)	1
74		Small rattles	1
75		Sueaky toys	1
76		Puja Bell (clapper bell)	1
77		Soft toy	1
78		Brush for tactile stimulation	1
79		Theaputty : Gluten free, non-toxic, red, yellow and blue colors. 03 containers.	1
80		Peg Board : Laminated square board having 10 holes to hold smoothly finished solid plastic pegs in five different bright colours	1
Sl. No.	DEIC Unit	Name of the Equipment with specification	Quantity
81	Speech & Hearing Wing (Paed. Use)	Ball Pool : The dense foam padded mini Ball Pool is Soft, safe and perfect for small children. It provides and excellent sensory stimulating activity. The round pool is 120 cm in diameter x 50 cm high & has 10 cm thick padded sides. The pool contains 500 multi colour balls of 7 cm or 8 cm diameter. Pool side and bottom is	1

		covered with durable Rexene that easily wipes clean	
82		Balls of different size	1
83		<u>Gaiters:</u> Aluminium/bamboo stick of 8", 10", 12", 14" long inserted in the pockets of thick canvas, 3 velcro straps to be wound around Total 8 nos (1 pair of each size mentioned)	1
84		Thick handle spoon Stainless steel spoon, padded handle 3	12
85		Thick handle bent spoon Stainless steel bent spoon, padded handle 3	12
86		Plastic spoon with long handle (for babies), Long handle bright colour spoon	12
87		Plastic glass with rim cut on one side: Plastic glass with one side of the rim is cut to accommodate nose:3	12
88		Stainless steel plates with high rim: High rim to prevent spilling over of food	2
89		Spouted Cups:	4
90	Dental Equipment	a)RVG(Radiography) b) GIC (for normal filling) c) Composite d) Periosteal Elevator	1 each
91	Three Seated Public Chair	Three Seated Public Chair : Stainless Steel with arm & backrest, without cushion	6
92	<b>Canopy with printing</b>	<b>Canopy</b> : Foldable Canopy printed with IEC messages (Size-6'x6'x7'), Fabric media. The inner and side of the Canopy to be printed with different messages.	14

## List of Equipments and Instruments for Technical Specifications (Annex-II)

Sl. No	Name of the EIF	Technical Specification
1	Head Light	<p><b>Purpose:</b> Coaxial luminaire provides shadow free illumination for improved efficiencies</p> <p><b>Light weight and comfortable head band options :</b> Yes</p> <p><b>Supply of accessory like charger,cable &amp; batteries :</b> Yes</p> <p><b>Color of light :</b> Cool day light</p> <p><b>Brightness (Lumen):</b> 40</p> <p><b>Color Temperature (Degree Kelvin):</b> 4500 degree K,</p> <p><b>Minimum LED Life (Hours):</b> 20000</p> <p><b>Nature of focusing:</b> Spot</p> <p><b>Portable compact design with no wires- into shirt pocket:</b> Yes</p> <p><b>Charging time (Hours):</b> 2-4Hours</p> <p><b>Color rendering index (CRI):</b> 90</p> <p><b>Type of battery :</b> Alkaline</p> <p><b>Run time (Minutes ):</b> 60</p> <p><b>ON/OFF control:</b> Yes</p> <p>MINIMUM Spot diameter (mm): 10</p> <p>MAXIMUM Spot diameter (mm) : 60</p> <p><b>Standards:</b></p> <p>Product complies with: <b>IEC 60601-1 and IEC60601-2-41</b> :Yes</p> <p>Model Should be CE/BIS certified :<b>Yes</b></p> <p>Manufacturer should be ISO13485 certified: <b>Yes</b></p>
2	Ear Specula	<p>Shape: Oval cone design</p> <p>Material: Stainless Steel, antimagnetic, acid-resistant</p> <p>Supply:Set of 4nos.Diameter: 3mm, 4mm,5mm&amp; 7mm respectively.</p> <p>Sterilization / Disinfection:Completely reusable and fully autoclavable.</p> <p>Each instrument shall be embossed/etched with manufacturer,,s name, initials or recognized trade-mark and the words 'Stainless Steel" or letters 'ss'</p> <p>Manufacturer should be ISO 13485 certified</p> <p>Product should be CE/BIS approved</p>
3	Nasal Speculum	<p>Type: Thudichum</p> <p>Product:Nasal Specula</p> <p>Profile: Set of 3(Adult sizes-4&amp;5 &amp; pediatric sizes-3)</p> <p>Specialty: Rhinology Instruments</p> <p>Material: Stainless Steel(ASI410/420)</p> <p>Surface Finish: Satin</p> <p>Sterilization / Disinfection: Completely reusable and fully autoclavable.</p> <p>Each instrument shall be embossed/etched with manufacturer,,s name, initials or recognized trade-mark and the words 'Stainless Steel" or letters 'ss'</p> <p>Manufacturer should be ISO 13485 certified</p> <p>Product should be CE/BIS approved</p>
4	Mouth Mirror	<p>Type Mirror With Handle</p> <p>Shape of Mirror: Round</p> <p>Diameter of Mirror (mm) set :18 millimeter &amp; 20millimeter</p> <p>Material of housing of the mirror: Medical Grade Stainless Steel(316/ASi410)</p> <p>Anti Fog Coating Yes</p> <p>Thick Non-Slip Handle for perfect grip: Yes</p> <p>Mirror should be With minimum 10 Cm Length of Handle: Yes</p> <p>Mirror should be detachable from the handle: Yes</p> <p>Extra light and handy for more fatigue-free working : Yes</p> <p>GENERAL FEATURES</p>

		<p>Product Description: Dental Mouth Mirror or Dentist's Mirror  Clinical Purpose: For allowing indirect vision by the dentist, reflecting light onto desired surfaces and retraction of soft tissues  Disposable or Reusable: Reusable  Sterile :Yes  Autoclavable: Yes  PACKAGING:Individually Packed  <b>CERTIFICATIONS &amp; REPORTS</b>  Submission of Test Report from Central Govt/NABL/ILAC accredited Lab to prove the conformity to declared specification at the time of supply: YES  Product certification: Manufacturer should be ISO13485 certified  Product should be CE /IS approved  <b>WARRANTY &amp; MAINTENANCE</b>  Warranty (Yrs) :Replacement warranty of 1year</p>
5	Tongue Depressor	<p>MAYO TONGUE DEPRESSOR  Types shape Flat with round ends  Stainless Steel(ASI410/420)  Surface Finish: Polish  Sterilization / Disinfection: Completely reusable and fully autoclavable.  Each instrument shall be embossed/etched with manufacturer,,s name, initials or recognized trade-mark and the words 'Stainless Steel' or letters 'ss'  Manufacturer should be ISO 13485 certified  Product should be CE/BIS approved  Child Size 140mm  Adult Size 200mm</p>
6	Foreign Body Removal Forceps	<p>Name: Alligator  Type: Forceps  Size:5 1/2”  Surface Finish: Polish  Curvature: Straight Jaws with angled Shanks  Working Surface style: Horizontally Serrated  Material: Stainless Steel(ASI410/420)  Sterilization / Disinfection: Completely reusable and fully autoclavable.  Each instrument shall be embossed/etched with manufacturer,,s name, initials or recognized trade-mark and the words 'Stainless Steel' or letters 'SS'  Manufacturer should be ISO 13485 certified  Product should be CE/BIS approved</p>
7	Otoscope	<p>Diagnostic Otoscope rechargeable set is to be supplied in Leather / hard case preferably HIP (High Impact Plastic) with internal soft cushion material for easy portability and protection: <b>Yes</b>  Light source : <b>LED bulb</b>  <b>Lamp Hour: 20,000 hours minimum /2years warranty of free replacement</b>  Number of Spare bulbs to be provided along with the otoscope:0  Speculum adapter to be provided : <b>Yes</b>  Number of sets of different sizes of Ear Specula to be provided along with otoscope : <b>2nos (One for Adult &amp; one for pediatric)</b>  Disposable :No, <b>Itshould be reusable</b>  Removable Otoscope head : <b>Yes</b>  Rotatable lenses : <b>Yes</b>  Rechargeable handle: <b>Yes</b>  Provision for variable light intensity : <b>Yes</b>  <b>CRI: Minimum 90</b>  <b>Color temperature: 4300K minimum</b>  <b>CONSTRUCTION/FUNCTIONAL FEATURES</b>  Material of the device body: Medical Grade Stainless Steel/Medical grade ABS body  Instrument Head Matt-black from inside: <b>NA</b>  Fibre optics for Cool Light Transmission: <b>Yes</b></p>

		<p>Magnification: <b>3x/3.5x</b>  Wide angle viewing lens allowing instrument under Magnification: <b>Yes</b>  Provision of sealed system for Pneumatic otoscopy with detachable pneumatic bulb : <b>NA</b>  Voltage Rating of the bulb (Volts)(Min) : <b>2.5/3/3.5</b>  Type of rechargeable battery: Li-ion/Ni-Cd/AA  Capacity of the Battery (mAh): <b>NA</b>  Battery Voltage(Volts) : <b>2.5/3/3.5</b>  Continuous runtime of the battery (Minutes): <b>Minimum 60minutes</b>  Charger to be provided along with the device: <b>Yes</b>  Weight (gms): 200-300  <b>STANDARD</b>  Conformity to Standard : EU-CE/USFDA/BIS  Manufacturer Should be ISO13485 certified</p>
8	Jobson Horn Probe	<p>Jobson Horne Probe size: 5.5"  Features: double end one side screw and other side round loop.  Rust free sturdy construction for better grip.  A light-weight, flexible and strong.  Probes designed as a dual-purpose instrument with Curette loop at one end and a threaded section at the other for holding wrapped cotton wool.  Reduced patient trauma due to smooth edges.  Sterilization / Disinfection: Completely reusable and fully autoclavable.  Each instrument shall be embossed/etched with manufacturer,,s name, initials or recognized trade-mark and the words 'Stainless Steel' or letters 'ss'  Manufacturer should be ISO 13485 certified  Product should be CE/BIS approved</p>
9	Tuning Fork	<p>Nickel-plated steel, material thickness 8 mm, Frequency: 128 Hz / 512 Hz and 1024 Hz.  Sterilization / Disinfection: Completely reusable and fully autoclavable.  Each instrument shall be embossed/etched with manufacturer,,s name, initials or recognized trade-mark and the words 'Stainless Steel' or letters 'ss'  Manufacturer should be ISO 13485 certified  Product should be CE/BIS approved</p>
10	Noise Maker	<p>Bell made of brass. Minimum length -8.5cm and minimum weight -70gram.  Should be child friendly.  Manufacturer should be ISO certified</p>
11	Mouth mirror	<p>Type Mirror With Handle  Shape of Mirror: Round  Diameter of Mirror (mm) set :18 millimeter &amp; 20millimeter  Material of housing of the mirror: Medical Grade Stainless Steel(316/ASi410)  Anti Fog Coating Yes  Thick Non-Slip Handle for perfect grip: Yes  Mirror should be With minimum 10 Cm Length of Handle: Yes  Mirror should be detachable from the handle: Yes  Extra light and handy for more fatigue-free working: Yes  <b>GENERAL FEATURES</b>  Product Description: Dental Mouth Mirror or Dentist's Mirror  Clinical Purpose: For allowing indirect vision by the dentist, reflecting light onto desired surfaces and retraction of soft tissues  Disposable or Reusable: Reusable  Sterile :Yes  Autoclavable: <b>Yes</b>  <b>PACKAGING:</b> Individually Packed  <b>CERTIFICATIONS &amp; REPORTS</b>  Submission of Test Report from Central Govt/NABL/ILAC accredited Lab to prove the conformity to declared specification at the time of supply: <b>YES</b></p>

		<p>Product certification: Manufacturer should be ISO13485 certified  Product should be CE /IS approved  <b>WARRANTY &amp; MAINTENANCE</b>  Warranty (Years) :Replacement warranty of 1year</p>
12	Periodontal probe	<p>Double ended periodontal probe. Provides accurate pocket depth measurement – and information on sub gingival calculus and other root surface unevenness  Ball end of ø 0,5 mm - Increases tactile sensitivity - Does not damage tissue or pierce pocket bottom  Sterilization / Disinfection: Completely reusable and fully autoclavable.  Each instrument shall be embossed/etched with manufacturer,,s name, initials or recognized trade-mark and the words 'Stainless Steel' or letters 'ss'  Manufacturer should be ISO 13485 certified  Product should be CE/BIS approved</p>
13	Tooth Model	<p>Enlarged mouth model with toothbrush to demonstrate correct brushing and dental care.  This model is three times life size and has normal anatomy. It's great for teaching proper brushing and flossing techniques.  This teeth care demonstration model features a mouth with 32 teeth at three times life-size, for closer observation  European CE Declaration according to 2014/53/EU and European Directive on Medical Devices  Manufacturer's Quality Certification according to ISO 13485 Yes  Packing Each model should be packed individually.  Warranty 1 year</p>
14	Torch	<p>Should provide even field of light  Bright and natural white light by high performance LED.  LED burns at least 20,000 hours.  Metal /ABS casing.  Easy to use with on/off switch.  Includes blade holder, batteries and nylon case.  Designed for durability, comes with a 2-year warranty including LED  Adjustable spot size from 2-5CM  Manufacturer should be ISO certified  Product should be CE/BIS approved</p>
15	Tooth Extraction Forceps Set (Adult)	<p><b>GENERAL FEATURES</b>  Product description: Dental Forceps for extraction of tooth  Purpose For dental extraction of tooth  Utility Dental surgeries of Adult  <b>PRODUCT INFORMATION</b>  Items in Extraction forceps set: Upper anterior, Lower anterior, Lower molar (Right),Lower molar (Left), Upper molar (Left), Upper molar (right),upper premolar, lower premolar.  anatomically-designed beaks for a sure, effective grip: Yes  Thick and non-slip handle: Yes  Longevity and corrosion resistant material: Yes stainless steel (ASI 410/420)  Cleaning, disinfection and sterility: All instruments autoclavable  <b>DIMENSIONS &amp; MATERIAL</b>  Minimum Handle length (Cm):10  Material of all instruments :Surgical Grade Stainless steel(ASI410/420)  Rockwell hardness (HRC): 1  Tensile strength (Mpa) : 1  <b>STANDARD</b>  Product conformity to standard ISO 13485  Product should be CE/BIS approved  <b>PACKING MODE</b>  All the instruments along with user manual, warranty card, Dehumidifier, Cleaning brush, Cleaning cloth etc packed in a carrying case : Yes  Packing Each carrying case packed Individually</p>

		<p><b>CERTIFICATIONS &amp; REPORTS</b>  Submission of Test Report on form 39 or from Central Government /NABL/ILAC accredited Lab or Manufacture's in-house Test Report to prove the conformity to declared specification at the time of supply Yes  Product conformity certificate is to be provided to the buyer at the time of supply Yes  <b>WARRANTY</b>  Minimum Warranty (yrs) : 5 years replacement</p>
16	Instrument Set	<p>As per requirement the clinician to decide the list of instruments</p> <p>Broad specification: <b>Quality standard (Applicable to all surgical instruments)</b>: Instruments should be made up of stainless steel medical grade AISI 410 &amp; 420. Test reports should be submitted in the technical bid.  Part No. and the CE Mark must be engraved/Embossed on the instrument.  Sample demonstration  Instrument should cover 2 years replacement warrantee.  All the instruments should be autoclavable.</p>
17	Binocular Microscope	<p>Microscope Type: laboratory binocular non-hinged type with built in light and with light intensity regulator  Conformity to Indian Standard: Research IS:5204 latest  <b>ISI MARKED :NA</b>  Eye piece Type : Compensating  Binocular Eye pieces Confirming to the requirements of IS: 8275/1976 ( latest) :Yes  Eye Piece with magnification : Set of Two For Binocular 10x  Objective Type : achromatic  Objective Magnification :100X,40X,10X,4X  Numerical Apertures of Objective: 1.25  Type of lamp for Illumination :LED  Plano Concave mirror attachment :Yes  Stage : Rectangular  Size of Stage : 76 X 40 MM/Standards Size  Coarse and Fine Movement of stage:Yes  Co-axial focusing :Yes  Micrometer Arrangement :No  <b>ACCESSORIES</b>  Extra eyepieces (inclusive in the scope of supply) : NA  Carrying case (inclusive in the scope of supply):Yes  <b>WARRANTY</b>  Warranty 2 year  <b>CERTIFICATION</b>  Availability of Test Report from Central Govt/NABL/ILAC accredited lab to prove conformity to specification No  Test Report No and Date N.A.  Name and Address of the Lab N.A.  Manufacturer Should be ISO13485 certified  Model should be CE/USFDA /ISI approved</p>
18	Near Vision Chart	<p>Name of Tool : Lea Symbols Near Vision Card/ISHARA Near Vision Chart  Type : "16 inches/40 centimeter Lea Near vision chart"  Objective : To fulfill the criteria to be a good vision for children by measuring near visual acuity  Use : "To assess the child's functional vision at near distances"  Utility: Pre-school children of 3 to 5 years age group  <b>PRODUCT INFORMATION AND TESTING</b>  "Front side of the Lea symbol cards printed with proportionally spaced (log MAR) lines" : Yes  "Back side of Lea symbol card printed with 25% and 50% spacing" : Yes</p>

		<p>"The card contains very familiar 4 symbols like circle, square, house and apple" : Yes  All optotypes should be similar legibility : Yes  Each line should have optotypes size ranging from 20/400 to 20/10 (6/120 to 6/3) equivalent : Yes  Detection of mild amblyopia is possible with closed spacing of the symbols on Lea symbol card : Yes  Test distance (cm) : 40  Response key printed on the test card : Yes  "Includes Student response or training card and instructions" : Yes  Inclusive of conditioning flash card : Yes  Can be used as wall hanging : Yes  Material of the card "Non-tear waterproof material"  Card size (cmxcm) : 20.3x25.4  <b>PACKING</b>  Packing (including user instructions) :Packed in a wallet  <b>CERTIFICATIONS</b>  Certification Available :Yes  Manufacturer Quality certification (ISO)  Product approval certificate for Clinical Use</p>
19	Color Vision Chart	<ul style="list-style-type: none"> <li>• Individuals with color vision defect should see a different figure from individuals with normal color perception.</li> <li>• Makes use of the peculiarity that in red-green blindness, blue and yellow appear remarkably bright compared with red and green</li> <li>• Diagnostic plates: intended to determine the type of color vision defect.</li> <li>• International standard test chart books for color deficiency 38 plates with user manual</li> <li>• Book should be specially printed to measure incrementally higher color sensitivity and specificity</li> </ul> <p>Manufacturer should be ISO certified</p>
20	Snellen's Chart	<p>Snellen chart with Red/Green bar to test visual acuity.  Assessment distance 6m.  Size: 23 x 35.5 cm</p>
21	Stadiometer	<p>Standards:  Conformity to Stadiometer as per ICDS standards : <b>Yes</b>  Stadiometer designed to Measure Height of Adult and Children aged 24 Month and Above in Vertical Position : <b>Yes</b>  Performance Parameters  Smallest Graduation for Stadiometer (cm) : <b>0.1 cm</b>  Accuracy for Stadiometer (cm) : <b>(+/-)0.1 cm</b>  Precision for Stadiometer (cm) : <b>(+/-)0.1 cm</b>  Warranty (in Years) : <b>2</b>  <b>Dimensional And Material Parameters</b>  Unit of Measurement : <b>In Centimeters</b>  Measuring Length in vertical position of Stadiometer (should be able to measure up to 200 cm at least) :<b>200 centimeter</b>  Width of board for stadiometer (cm) : <b>Approx. 5.5 cms</b>  Weight of the device (Kg):<b>4 kilogram or less</b>  Material of Board : <b>mild steel rust proof</b>  <b>Additional Features</b>  No part Should be Loose or Shaking During Transportation : <b>Yes</b>  Double sided graduation Parallel to Board for Easy Measurement : <b>Yes</b>  Stable connection assuring precise and accurate measurement : <b>Yes</b>  No need of calibration as all parts have prefixed position: <b>Yes</b>  Stadiometer should have Firm flat surface :<b>Yes</b>  Designed for heavy duty use in demanding conditions : <b>Yes</b>  Simple and fast set up, no tool (screw driver etc) required :<b>Yes</b>  Orientation of numerals on the measurement scale: parallel to the board</p>

		<p><b>:Yes</b>  Stadiometer should have large foot plate providing extra stable base and smoothly gliding measuring slide/wedge : <b>Yes</b>  Stadiometer shall have Adjustable feet for stability on uneven or soft ground and also spirit level indicator to check flat surface : <b>Yes</b>  Fold-up Mechanism and low-weight, making it compact and easy to transport : <b>Yes</b>  Stadiometer shall be free from sharp edges and corners : <b>Yes</b>  Stadiometer shall have friction feature between board and measuring slide/wedge for preventing the latter from drooping when released: <b>Yes</b>  Durable, Resistance to excessive Humidity, High temperature resistant, water resistant and shock Resistant :<b>Yes</b>  <b>Stadiometer supplied with :</b>  (i) Carry bag or carry case made of long lasting fabric, zipper closer  (ii) removable, adjustable shoulder/back strap(s) and  (iii) small side pocket for storage of operating instructions, loose parts and/or stationery material :<b>Yes</b>  Stadiometer supplied with Instructions for use, training, maintenance and trouble shooting in English, Hindi and any other regional language as per requirement, appropriately illustrated with pictograms : <b>Yes</b>  Packed in a carton box which should be of sturdy quality and provides adequate protection of the goods while in transportation :<b>Yes</b>  Reports  Model approval from Director (Legal Metrology) : <b>Yes</b>  Certificate number and date from Director (legal Metrology) Department :IND/--/--/--- DATED:--/--/20--  Type Test certificate including Environmental conditions from Regional Reference and standard laboratory (RRSL) : <b>Yes</b>  RRSL Certificate Number, date and address  Calibration from concerned weight and measurement controller ate to be obtained at the time of supplies : <b>Yes</b>  Model approval certificate, Type test and calibration certificate to be furnished if asked by buyer at the time of supplies: <b>Yes</b></p>
22	Digital BP Apparatus	<p>Type Of SPHYGMOMANOMETERS or Blood Pressure recording unit:  <b>Digital</b>  Conformity to Indian Standard for SPHYGMOMANOMETERS : <b>NA for digital</b>  Measuring device : <b>Automated</b>  Type : <b>Integrated</b>  ISI MARKED : <b>NA for digital</b>  Measurement Method : <b>Oscillometric</b>  Display for Digital BP instrument: <b>LCD(Liquid Crystal Digital) Display</b>  Range: Pressure measurement (mmHg): <b>0 to 300</b>  Range: <b>Pulse measurement for digital with accuracy &amp;plusmn; 5%. (per minute) 40 to 200</b>  Accuracy: Pressure measurement (mmHg) : <b>+/- 3</b>  Pressure Detection : <b>Capacitive Pressure sensor</b>  InflationAutomatic Pressure Application by pump  Deflation and rapid Air Release : <b>Automatic Pressure Release Valve</b>  Cuff Range : <b>Medium (22-32)cm</b>  Cuff: <b>disinfect able one piece and bladder cuffs, tested according to ISO 105 EO1/ equivalent standard.</b>  Operating Temperature range : <b>0 to 55 degree Celsius</b>  Stroage Temperature range : <b>(-10) to 55 degree Celsius</b>  Automatic power off if system is idle for 3 minutes :<b>Yes</b>  Weight (in gram):<b>230</b>  <b>Power</b>  Power Source: <b>AA size chargeable battery set</b></p>

		<p>Type of AA Size chargeable Battery (AA Size) : <b>Alkaline/ Li-ion</b></p> <p><b>WARRANTY, CERTIFICATIONS, TEST REPORTS</b></p> <p>Availability of Type Test Report covering complete test parameters as per IS3390 latest for Mercurial and IS7652 latest for Aneroid type, from any ILAC/NABL accredited/Central GovLABFor digital type including Environmental test from any ILAC/NABL accredited/Central Gov LAB : <b>Yes</b></p> <p>CE Marking Certificate for B.P. Apparatus Model. <b>Yes</b></p> <p>For Digital Sphygmomanometer ,Availability of Type test reports consisting of verification of all the features &amp; functional parameters &amp; environmental tests sequences as under:</p> <p>a) Dry heat test (For 16 hours at a temp of 55degree C in accordance with IS: 9000/part-3/section-3/1977)latest : <b>Yes</b></p> <p>For Digital Sphygmomanometer Cold test(For 4 hrs at a temp of (-10) degree C in accordance with IS: 9000/part-2/section-3/1977latest c) Damp Heat Cyclic Test ( For 2 cycles of 24 hrs at a temp 55 degree C &amp; 95% RH in accordance with IS: 9000/part-5/section-1/1981)latest Note:- The BP Instrument shall be checked for all the parameters before conditioning After completion of the above environmental tests sequence, with a recovery period of 1 to 2 hrs, BP Instrument shall be functional " <b>Yes</b></p>
23	Aneroid BP apparatus	<p><b>CONFIGURATION DETAILS</b></p> <p>Type Of Sphygmomanometer: <b>Aneroid</b></p> <p><b>Design:</b> Corrosion resistant shock proof body, chrome plated metal/ stainless steel pressure control valve</p> <p>Conformity to Indian Standard for SPHYGMOMANOMETERS :<b>IS 7652 latest for Aneroid</b></p> <p>Measuring device :<b>Mechanical</b></p> <p>Type : <b>Portable</b></p> <p>Measurement Method:<b>auscultatory</b></p> <p><b>Display for BP instrument:</b>Gauge"s background in white color. Graduated scale for ever/ 2mmhg, every 10 units and every 20 units.</p> <p>Range: Pressure measurement (mmHg) : <b>0 to 300</b></p> <p><b>Accuracy:Pressure measurement (mmHg) +/- 3</b></p> <p><b>Pressure Detection: NA</b></p> <p><b>Deflation and rapid Air Release: Manual</b>setting of deflation possible up-to 2/3mm Hg/sec. From 260mmHg To 15mm Hg in a maximum deflation time of 10 seconds</p> <p>Cuff Range: <b>(22-32)cm</b></p> <p><b>Cuff Type:</b> Nylon straps cuff with pouch, latex bulb with completely chromium plated valve with regulation of vent-hole air by screw valve.</p> <p>Sterilization / Disinfection: <b>The cuff should be disinfect able one piece and bladder cuffs, tested according to ISO 105 EO1/ equivalent standard.</b></p> <p>Tube : Single rubber tubes used should have an internal diameter of <math>3 \pm 0.5</math>mm and the external diameter should not be less than 8mm</p> <p><b>Dimensions of the Equipment (mmXmm): NA</b></p> <p><b>Dimensions of the Dial screen (mmXmm) :</b> The dial manometer with diameter of 50 mm-60mm</p> <p><b>Operating Temperature range 0 to 55 degree Celsius</b></p> <p><b>Stroage Temperature range (-10) to 55 degree Celsius</b></p> <p><b>Weight (in gram) 150</b></p> <p><b>WARRANTY, CERTIFICATIONS, TEST REPORTS</b></p> <p>Availability of Type Test Report covering complete test parameters as per IS7652 latest for Aneroid type, from any ILAC/NABL accredited/Central GovLABFor digital type including Environmental test from any ILAC/NABL accredited/Central Gov LAB: <b>Yes</b></p> <p><b>CE/IS Marking Certificate for B.P. Apparatus Model. Yes</b></p>
24	Fully Automated	Not recommended for HWC PHC as sample load is very minimum compared

	Bio-chemistry Analyzer	to the throughput & cost of the System. Semi-automated analyzer can suffice the requirement.
25	Urine Analysis(DIPSTICK)	<p><b>Specification of DIPSTICK:</b> Dipsticks for urine test for protein and sugar (<i>1 container of 100 strips</i>) Product :<b>Urine Test Reagent Strips</b> Purpose : <b>To determine pathological changes in a patient’s urine in standard urinalysis</b> The entire reagent strips should be disposable: <b>Yes</b> Each strip should be stable and ready to use upon removal from the bottle <b>Yes</b></p> <ul style="list-style-type: none"> <li>➤ Urine Reagent Strips provide tests for the following parameters: <ol style="list-style-type: none"> <li>1. Glucose</li> <li>2. Bilirubin</li> <li>3. Ketone (Acetoacetic acid)</li> <li>4. Specific Gravity</li> <li>5. Blood</li> <li>6. pH</li> <li>7. Protein</li> <li>8. Urobilinogen</li> <li>9. Nitrite</li> <li>10. Leukocytes</li> <li>11. Ascorbic Acid in Urine.</li> </ol> </li> <li>➤ The Urine Reagent Strips should be packaged along with a drying agent in a plastic bottle with a cap to provide complete air tight.</li> <li>➤ Each strip should be stable and ready to use upon removal from the bottle.</li> <li>➤ The entire reagent strip should be disposable.</li> <li>➤ Results are obtained by direct comparison of the test strip with the color blocks printed on the bottle label.</li> <li>➤ All the reagent strips should be withstand at a room temperature between 15°-30°C (59°-86°F) and out of direct sunlight.</li> <li>➤ The minimum self-life of the urine strips should be 1year unopened and minimum 3months once it is opened.</li> <li>➤ The required controlled shall be provided along with the strip packet.</li> <li>➤ The strip pack sizes should be of 100 sizes.</li> </ul> <p><b><u>Quality Standards:</u></b></p> <ul style="list-style-type: none"> <li>➤ Availability of Test Report from Central Govt/NABL/ILAC accredited Lab to prove the conformity to the declared specification (Proof of the same to be submitted to buyer on demand) : <b>YES</b></li> <li>➤ Availability of Valid Drug License from the appropriate Drug Authority defined under Drugs and Cosmetics Act, 1940(Proof of the same to be submitted to buyer on demand)For Manufacturing Urinalysis Strips, For Sale or Distribution of Urinalysis Strips <ul style="list-style-type: none"> <li>➤ Drug License Number: To provide</li> <li>➤ Drug License date : To provide</li> </ul> </li> <li>➤ ISO 13485/ ICMED 13485 Certified Manufacturer (Proof of the same to be submitted to buyer on demand): <b>YES</b></li> <li>➤ CE(IVD) /BIS approved</li> <li>➤ Manufacturer should be ISO 13485 certified</li> </ul>
26	Peak Flow Meter	<p>The PeakAir Peak Flow Meter is used to measure your “Peak Expiratory Flow Rate,” which is simply the highest speed you can blow air from your lungs. Type: <b>Mechanical Peak Flow Meter</b> Instant readings to help track any changes in the air flow. Dual Flow Range: Accurately measures for both adults and children.</p> <p>Compact, lightweight and portable Built-in flexible three zone management system Easy- to- read numbers</p>

		<p>Measurement Range 40-800 L/min Accuracy and repeatability assurance Washable</p> <p><b>Standards</b> <b>EN ISO 23747:</b> 2009 compliance CE Approved/BIS</p> <p>Manufacturer should be ISO 13485 certified</p> <p><b>WARRANTY:</b> The product is available with 1-year warranty.</p> <p>Peak Flow Meter-1, Reusable Mouthpiece-4 nos(2-Children &amp; 2 Adults), Instruction Manual</p>
27	Lab Autoclave	<p>Type of Sterilizer: <b>VERTICAL CYLINDRICAL Steam Sterilizer</b> <b>Pressure type Sterilizer Chamber size:</b> 300 mm (Diameter) x 350 mm (Length),with Silicon door gasket (expansion type). Electric load of the unit shall be:<b>2-3 KW.</b> Steam supply to Sterilizer : Steam Generation by electrically heated using immersion heaters wired for operation on 1 phase wire 230 Hz AC supply [with immersion heaters having mineral filled sheathed heating elements conforming to IS: 4159/2002 duly BIS marked and complying with safety requirements as per IS : 302-2-201(1992)] it should work with 1 phase 220/230 V 50 Hz AC supply Material: Sterilizer parts; Chamber, Jacket, Door, Door Ring and shall be made of SS 316/SS316L Type of control : Manual Provision of Lock on Steriliser Chamber door: Manual Lock Display facility for Sterilisation Cycle parameters : Manual pressure Gauge Steam &amp; vacuum release valve . Warranty Period: 3 year Pressure, Steel &amp; Spore Test Certificate from a Govt/NABL/ILAC approved testing laboratory shall be furnished by Seller to Buyer for the offered Product should be CE/BIS approved Conformity to standard for electrical safety latest amendment : IEC - 60101 Manufacturer should be ISO13485 certified</p>
28	Refrigerator	200 liter capacity may be procured as per availability of service facility .
29	Incubator	<p>Conformity to Standards: CE/BIS Conformity to standard for electrical safety latest amendment : IEC - 61010</p> <p><b>Performance Parameters</b> Purpose Bacteriological incubator are used for the incubation of biological products under controlled conditions Type of Incubator : Bacteriological Incubator Capacity in liters 20 Material of Inner Chambers: SS 304 Material of Outer Chamber: CRCA (powder coated point) Steel Ambient Temperature in °C: 5°C above ambient to 60 °C (Bacteriological Incubator) Temperature Accuracy in °C: ±0.5°C Temperature Uniformity in °C : ±2°C Insulation : Glass wool Controller : Microprocessor based PID control Digital Display of temperature in °C : Yes Type of Display : LED Type of Temperature sensor : PT100 Power supply : 220 V , 50 Hz Single Phase Door: Insulated door and fitted with heavy hinges and should have Toughened glass window Air circulation fan Type of Shelves : Removable</p>

		<p>Material of Shelves : SS wire mesh  Number of shelves :2  Size of incubator (L x W x H) in mm x mm x mm:NA  Weight in kgs: NA  Auto power break off: No  Over temperature protection: Yes  Safety alarm system : Yes  Instruction manual to be provided : Yes  Warranty in Years : 1</p> <p><b>Standards</b>  Manufacturer should have ISO13485 certification: Yes  Copies of all certifications and reports to be provided to buyer on demand at time of supplies: Yes  Product should be CE/BIS approved</p>
30	Micro Pipette	<p>Clinical purpose: Pipettes are most appropriate tools for drawing &amp;dispensing of samples for users in the field of clinical diagnostics, control analysis and other areas.</p> <p><b>Technical Specification:</b></p> <ul style="list-style-type: none"> <li>➤ Should have ergonomic design with light &amp; smooth plunger action</li> <li>➤ Should have soft feel handle grip having both left &amp; right hand operation</li> <li>➤ Pipette handle should have thermoplastic elastomeric to prevent transfer of body heat to pipette volume during continuous usage</li> <li>➤ Fully autoclavable: Entire pipette can be steam autoclaved at temp. Of 121 0C</li> <li>➤ Should have larger &amp; clear 3 digit display giving smaller increment for wider selection of volume</li> <li>➤ Volume range should be of 10-100µl with increment of 1 µl</li> <li>➤ Accuracy: 0.8 to 5%</li> <li>➤ Should have locking mechanism to prevent accidental volume change during pipetting</li> <li>➤ Should have one hand eject facility</li> <li>➤ Should have in house clinical, repair and calibration facility</li> <li>➤ The tip cone should have leak free operation, smooth and light loading operation with choice of using variety of tips.</li> <li>➤ Should be compatible to universal tip types</li> <li>➤ Should be available with different color codes.</li> <li>➤ Warranty: 3years.</li> </ul> <p><b>Quality Standards:</b></p> <ul style="list-style-type: none"> <li>➤ Should be USFDA/CE (IVD) approved product</li> <li>➤ Manufacturers should have ISO 13485 certification for quality standards</li> <li>➤ Should be applied with individual QC &amp; calibration report according to ISO 8655</li> </ul>
31	Centriguge-8 Tubes	<p><b>Performance Parameters</b>  Purpose: Separating Serum from blood or for urine sedimentation  Centrifuge Design: Bench Top  Weight including Default Rotor in kg: NA  Auto cut off: Yes  Timer provided: Yes  Maximum RPM 3000-3500  Number of steps for RPM variation :In steps /Continuous  Incremental Steps of Variable RPM :300-400  Type of Motor: Brushless (without carbons)  Maximum Noise level when working at 1 meter distance in db 50  Ambient operating Temperature range in Degree centigrade Celsius and</p>

		<p>humidity range 0 to 50 degree centigrade and Relative humidity 15 to 90%  Rotor imbalance diagnostics and automatic stop if required: Yes  Facility to ensure that In case Machine is running and lid is opened with manual lock by user , machine shall stop: Yes  Maximum Timer Set range 60 minutes  Timer settings Provided :interval of 10 seconds up to 1 minute and over 1 minute up to 60 minutes in interval of 1 minute:NA  Display :LED /LCD  Speed Controller : Microprocessor controlled preprogrammed speed controller  Speed Control: Accuracy in case of set speed (Plus minus RPM )  Rotor configuration: Swing Out Rotor  Rotor Feature with reference to Autoclavability: Autoclavable Rotor @ 121 Degree Celsius,  Maximum Volume of the tube testable:15 ml centrifuges tubes  Rotor Size: 8X15ml  Power supply :Single phase, 230 V 50 HZ AC Source  Power consumption in watts: 500Max  Length of Power cord in meters 2  The Equipment shall be installed and demonstrated before Acceptance installation and demonstration: Yes  Accessories: Spanner to tight or loose Nut of Rotor on Motor shaft head puller, spare rotor nuts ,fuse-2,  Warranty in Years 3  Material Parameters:  Assembly Material for manufacture of Medical Centrifuge: Consists of Die cast Aluminum, Aluminum sheet, Stainless Steel, CRC Steel, Plastic and Rubber  Lid Material of Medical Centrifuge : mC.R.C Steel Finish with Powder Coating or stove painting / ABS Plastic of injection molding  Body Material of Medical Centrifuge: C.R.C Steel Finish with Powder Coating or stove painting / ABS PLASTIC OF injection molding  Centrifuge Bowl material of Medical Centrifuge: 304 Quality Stainless Steel Molded  Material of Rotor: Aluminium,  Standard:  ISO13485 certification for Manufacturer: Yes  Copies of all certifications and reports to be provided to buyer on demand at time of supplies Yes  Product should be CE/USFDA/BIS approved</p>
32	Needle Destroyer	<p>GENERAL Purpose :To destroy the used injection needles by instant electro melting process and to cut syringe tips manually using the appliance  Type : Portable and electrical  Principle of operation: Electro-melting type  <b>CONSTRUCTION</b>  Suitable sliding tray shall be provided for collection of residue and destroyed syringe tips :yes  Material of the Housing /enclosure: ABS Plastic  Housing/enclosure shall be moulded type and shock proof: yes  Provision to burn the needles and to cut the syringe tips shall be provided in the unit : yes  Manual cutter provided in the equipment Made of hardened blade of anti-corrosive SS material  Transformer winding : Copper  <b>FUNCTIONAL</b>  Number of needles of 1mm dia and 80mm length that can be destroyed in continuous operation of 5 minutes 50  Sizes of injection needles of all kinds which can be destroyed Dia Ranging from 0.4mm to 1.6mm (26 SWG to 14 SWG) with length 12.5mm to 80mm</p>

		<p>ELECTRICAL  Power supply : 207V to 253V,50Hz AC supply  Power ON/OFF switch with indicator shall be provided :YES  Rated power(Watts): 60 Watt  Shall be provided with fuse and power cord of min 3m length and earthing point : YES  Manual of usage instructions : To be supplied by the supplier  <b>CERTIFICATIONS</b>  Manufacturer should be ISO-13485  Comply in general to IS:302Pt-1/1979 to ensure safe and reliable operation in normal use: YES  Occupational health and safety certification from approved bodies as per OHSAS 18001-2007 : YES  CE /BIS Certification from approved bodies : Yes</p>
33, 34 & 35	Shoulder Wheel Over Head pully & Shoulder ladder	<p><b><u>Shoulder wheel, Overhead pulley, Shoulder ladder (set)</u></b></p> <p><b>Clinical use:</b> Used for improving mobility &amp; strength of shoulder girdle &amp; rotator cuff muscles in case of frozen shoulder, paresis &amp; paralysis cases.  <b>Technical Specification:</b>  <b>A.Shoulder Wheel:</b></p> <ul style="list-style-type: none"> <li>➤ It should be a wall mounted one.</li> <li>➤ The wheel for use of adult and pediatric</li> <li>➤ The motion arc can be adjustable from 10 to 38 inches by adjusting the handle.</li> <li>➤ The wheel shall be mounted on a two chrome plated height adjustable (8” to 26”) rails.</li> <li>➤ The resistance can be varied by turning the resistance knob.</li> <li>➤ The manufacturer should be ISO certified</li> </ul> <p><b>B. Over Head Pulley:</b></p> <ul style="list-style-type: none"> <li>➤ Heavy duty, medical grade, shoulders pulley exerciser for physical therapy use.</li> <li>➤ Over the door metal bracket allows easy one hand setup.</li> <li>➤ Units with a door strap require two hands, which is difficult with an injured shoulder.</li> <li>➤ Easily adjustable cord length for any height and for use in both seating and standing position.</li> <li>➤ The overhead pulley should have the provision of wall mounting.</li> </ul> <p><b>C. Shoulder Ladder:</b></p> <ul style="list-style-type: none"> <li>➤ Wood Finger/Shoulder Ladder</li> <li>➤ 32 vertical finger steps</li> <li>➤ Solid wood with heavy topcoats</li> <li>➤ Pre-drilled mounting holes</li> <li>➤ The manufacturer should be ISO certified.</li> </ul>
36	Walker	<p>Product type: Frame type, foldable walker  Purpose: Walking training device for improving postural alignment while walking, overcoming musculoskeletal impairments and for improving mobility anterior support with less energy consuming  Usage :Youth&amp; OLD  <b>PRODUCT INFORMATION</b>  Posture control possible: <b>Yes</b>  Light weight: <b>Yes</b>  Wiped clean with a damp cloth: <b>Yes</b>  Safety mechanism provided to prevent the user from slipping while walking : <b>Yes</b>  Foldable for easy storage and transportation: <b>Yes</b>  Anterior support <b>Yes</b></p>

		<p>Forearm Supports with latex free flanged hand grips: <b>Yes</b></p> <p><b>DIMENSIONS, MATERIAL &amp; WEIGHT</b></p> <p>Material frame: Stainless steel tubular frame</p> <p>Height of walker with standard wheels (cm) :<b>NA</b></p> <p>Height of walker with activity wheels (cm): <b>NA</b></p> <p>Distance between hand grips (cm): 34</p> <p>Frame width (Cm) : 58 to 60</p> <p>Frame length (cm) : 52-59</p> <p>Maximum user weight (kg): 100</p> <p>Frame weight (kg) : 2.5 to 3.0</p> <p><b>PACKING MODE</b></p> <p>All the main parts and accessories are Individually bubble wrapped and packed in a strong box to avoid transit damage <b>Yes</b></p> <p><b>CERTIFICATIONS &amp; REPORTS</b></p> <p>Submission of Test Report from Central Government /NABL/ILAC accredited Lab or Manufacture's in house Test Report to prove the conformity to declared specification at the time of supply <b>Yes</b></p> <p>Certification Available: ISO for manufacturer</p> <p>Product should be CE/ BIS approved</p> <p><b>WARRANTY:1year</b></p>
37	Cervical traction (manual)	<p>Cervical Traction Kitis a complete apparatus designed to provide traction to the cervical and upper dorsal vertebrae.</p> <p>Cervical traction Kit includes the following:</p> <ul style="list-style-type: none"> <li>➤ Traction Pulley Bracket</li> <li>➤ Cervical Traction Head Halter</li> <li>➤ Cervical Traction Spreader Bar</li> <li>➤ Traction Cord(Nylon rope)5meter.</li> <li>➤ Traction Weight Bag with weights</li> </ul> <p>Controlled continuous traction</p> <p>Easy removal and application</p> <p>Reduced frictional losses</p> <p>Durable and sturdy for a long life and multiple use.</p> <p>Can be used in sleeping posture. Pulley is ergonomically designed to fit any bed side. Soft padded head halter provides a comfortable interface for the traction, is easy to wear and use.</p> <p>Manufacturer should be ISO13485 certified</p> <p>Product should be CE/BIS certified.</p>
38	Exercise Bicycle	<p>i)Tubular steel frame on properly balanced legs with four rubber tips</p> <p>ii). Fitted with one hard rubber type wheel, standard chain and a socket</p> <p>iii). Seat should be adjustable</p> <p>iv). Should be fitted with a ball bearing resistance roller which permits controlled movement in riding</p> <p>v. LCD/LED display with speedometer.</p> <p>vi. Warranty: 3 Years</p> <p>Manufacturer should be ISO13485 certified</p> <p>Product should be CE/BIS certified</p>
39	Lumber Traction manual	<p>It strengthening broken bones, immobilization or relieving pressure on the skeletal system.</p> <p><b>Composition:</b></p> <p>Universal type</p> <p>Includes pelvic belt, spreader bar &amp; 3 meter long cord.</p> <p>It contains traction water and sand weight bag</p> <p>traction pulley bracket</p> <p>the pelvic traction bel</p> <p>traction cord and 8 kg weight.</p> <p>Manufacturer should be ISO 13485 certified</p>

		Product should be BIS/CE approved
40	Gait Training Apparatus/ Parallel bar	<p><b>Clinical Use:</b> It use for horizontal surface gait training, Coordination training of lower limb in various neurological conditions like paralysis, GBS, Parkinson etc.</p> <p><b>Technical Specification</b>  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</p> <p><b>15.3: Minimum dimension of the structure:</b>  Length of the bar: 10feet  Width of the bar: 25" – 28"  Height adjustment of the Bar: 26" – 39"  The manufacturer should be ISO approved.</p>
41	Hydro Collator Unit	<p><b>Clinical Use:</b> A moist heat modality use as a superficial to medium penetration thermotherapy modality. Clinically use for chronic pain management &amp; joint stiffness cases.</p> <p><b>Technical Specification:</b></p> <ul style="list-style-type: none"> <li>➤ Water tank made up of Stain less steel inner &amp; outer Cabin ( 20-25 Gauge thickness)</li> <li>➤ High grade thermally insulated</li> <li>➤ Static/Movable base</li> <li>➤ Top lid of stainless still, thermally insulated with Fibre handle.</li> <li>➤ Product Type:Table Top</li> <li>➤ Dimensions: NA</li> <li>➤ Tank capacity: 10- L</li> <li>➤ Temperature range: 50-90 degrees Celsius</li> <li>➤ Thermostatic temperature control (50 - 90 degree C) - Auto cut-off</li> <li>➤ Thermal cut-out temperature</li> <li>➤ Temperature accuracy: +/- 10%</li> <li>➤ Heat-up time to 90 degree Celsius: in 3 hrs.</li> <li>➤ Cool-down time from 90 degrees Celsius: 2 hrs.</li> </ul> <p><b>Power supply</b>  Mains power: 220-230 V, 50/60 Hz  Power consumption: 1000Watt</p> <p><b>Safety Standard</b>  Electrical safety class: Class 1, type B  Safety tests: Conforms to IEC 60601-1</p> <p><b>Quality Standard:</b>  The model should be CE/BIS approved.  The manufacturer should be ISO13485 certified</p> <p><b>Accessories must include:</b></p> <ul style="list-style-type: none"> <li>➤ Hydro collator Moist Heat Hot Pac : Standard Size-1, Over size-1,Cervical Standard size-1, Hydro collator Knee or Shoulder HotPac-1.</li> <li>➤ Cotton Towel: 4 pieces.</li> </ul>

42	Traction Bed	<p>i Traction Bed – 4 Fold ii. Size : 6 (L) x 2.5 (W) x (H) 3 feet iii. For horizontal cervical and lumbar traction. Should have complete with Storage Shelf &amp; a Flexion Stool Manufacturer should have ISO certified. Product should be CE/BIS Certified</p>
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N.B. - Technical Specification/Sample Photographs of some of the equipment, Three Seated Chair & Canopy is enclosed at Annexure – “A”

Note:

\* The samples can be inspected at Office of Chief District Medical & Public Health Officer on or before submission of tender.

07. **02 %** of *quoted rate* towards EMD in shape of DD may be drawn in favor of “**ZSS non- NRHM, Malkangiri**”. Exemption of EMD applicable to local MSEs or DIC Registered Firm in Odisha. As applicable

08; Tender Fees Non –refundable of Rs.1,180/- (Rupees One thousand one hundred eighty) in favor of “**ZSS non- NRHM, Malkangiri**” payable at Malkangiri, In absence of bid document cost the technical proposal of the bidder shall be rejected.

09: Delivery time: 01 month of issue of the Supply Order.

10. Place of delivery: DPMU/ Site will be intimated in orders.

## Technical Specifications/photographs of some equipments

### 1. Pin spot and Mirror Ball :



1	Clinical Purpose	Shine the pin spot onto the mirror ball to create hundreds of mirrored reflections around the room
2	Technical Characteristics	mains powered motor to spin mirror balls or other light hanging items;
		Fixed 2 RPM notational speed;
		Designed to use power from lighting circuit;
		Shaft with pre-drilled hole for mirror ball connection;
		Load limit of 4kg at mirror ball motor;
		Should operate on 220VAC/50Hz;
		Should be provided with 20cm ball and 15 cm chain with safety ring to prevent detachment of the rotating ball;
		Pinspot should have 4 different color wheel;

### 2. Mirror Ball Motor:



1	Clinical Purpose	This ceiling mounting box contains a motor that will rotate mirror ball at a steady 2 RPM, Fitted with 1m (approx.) mains lead and plug.
2	Technical Characteristics	Mains powered motor to spin mirror balls or other light hanging items;
		fixed 2 RPM rotational speed;
		Designed to use power from a lighting circuit;
		Load limit of 4kg at mirror ball motor;
		Shaft with pre-drilled hole for mirror ball connection;
		Should operate at 220VAC/50Hz

### 3. **LED Mirror Ball :**



1	Clinical Purpose	LED Mirror Ball features a 6 inches diameter ball covered with crack resistant mirror tiles, a battery/mains operated rotating motor with a silver chain and multi colored LED lights mounted in the motor.
2	Technical Characteristics	6 inches diameter disco mirror ball
		Rotating motor with LED lights
		Attached silver chain and ring
		On/Off switch and sound activation

### 4. **Fire Ball :**



1	Clinical Purpose	This classic light effect fires narrow beams of light around the room as it rotates.
2	Technical Characteristics	Should have wide coverage;
		Perfect for ceiling or desk mounting;
		Should have 100,000 hours LED life span (approx.);
		Should operate at 220VAC/50Hz
		Should have min 4 revolutions per minute;
		Should have max weight 2Kg

#### 5. Sound activated light :



1	Clinical Purpose	This classic light effect multicolor light around the room
2	Technical Characteristics	Should have sound activation system inbuilt;
		Fully Automatic LED Compact Border;
		Cycle Light for indoor use
		Lightweight;
		Adjusting speed and sound sensitivity;
		Should have low power consumption;
		Should operate at 220VAC/50Hz
		Should have 100,000 hours LED life span (approx.);

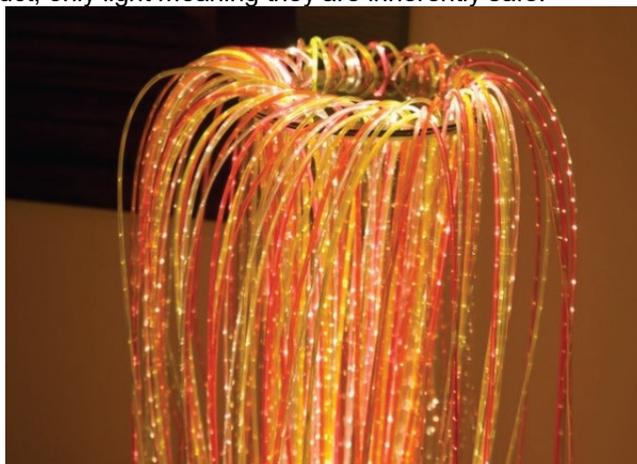
#### 6. LED Bubble tube (with LED light) :



1	Clinical Purpose	The light change in tube while touching around the light
2	Technical Characteristics (Bubble Tube with LED Light and vibrator)	Adjusting speed and sound sensitivity;
		Should have low power consumption;
		Should operate at 220VAC/50Hz
		Tubes should made of thick acrylic plastic, not glass;
		The LED light of Bubble tube should slowly change color whilst small bubbles rise continuously;
		Should have min 10,000 hours LED life span (approx.);
		Minimum Dimensions: 75mm diameter x 500mm height;
		Bubble tube with a vibrator and led light which changes colors with mirror on two sides;
		Should have low power consumption;
Should operate at 220VAC/50Hz		

#### 7. Optic Fibre :

Visual- A fiber optic light creates a fabulous visual effect, whilst being tactile and safe to touch. Calming or interactive, fiber optics appeal to all ages and abilities. No electricity is present in any fiber optic product, only light meaning they are inherently safe.



#### 8. Rotating Drum :

A large drum containing brightly coloured balls and bells. Dimensions:300 mm L x 230mm.



**9. Chime Frame and Beater:**

Six colourful wooden chimes, suspended within a strong wooden frame. The beater is attached to the frame to prevent loss. Dimensions: 370mm L x 270mm H.

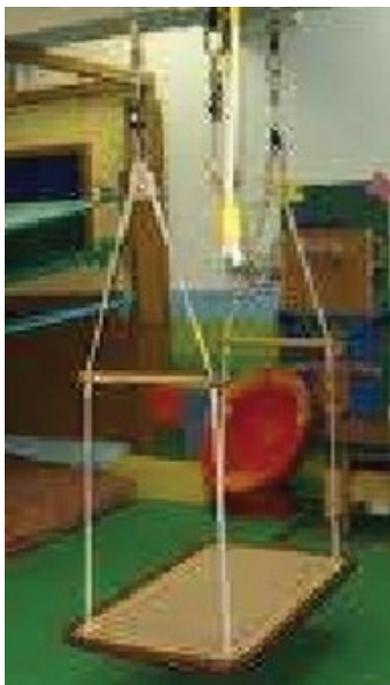


**10. Mirror Chime Bout :**

Strips of mirror Perspex faced with red and blue Perspex hang to create great visuals and sound at the slightest touch. Dimensions: 200mm D x 240mm H.

**11. Bolster Swing for vestibular stimulation:**

1	Clinical Purpose	Bolster swings are a must for sensory integration therapy as they encourage righting reactions, adjustments to linear acceleration and motor planning.
2	Technical Characteristics	Should have vinyl-covered base on-either side by simply flipping the bolster over;
		Should have one side is high-density foam padding; the other side is padded with low-density foam; (1 small-30cm diameter and 1.2 meter long)

**12. Platform Swing :****13. Tyre Tube Swing :**

and



1	Clinical Purpose	Tyre tube swings are a must for sensory integration therapy as they encourage righting reactions, adjustments to linear acceleration and motor planning
2	Technical Characteristics	Should have dual axis hanging feature;
		Should provide inflating pump with measuring gauge. The air nozzle should be on the outer side of the tube for safety from injury;
		Should have max load 180Kgs;
		Should have heavy duty hanger with ball bearing to support up to 60 min continuous swing;

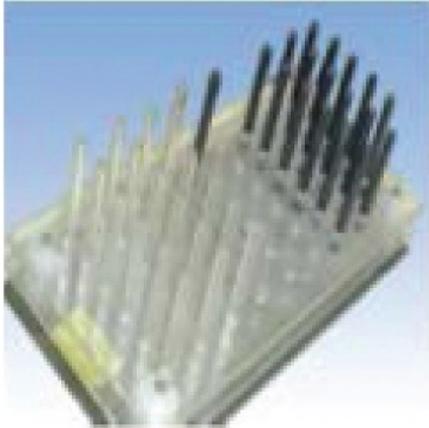
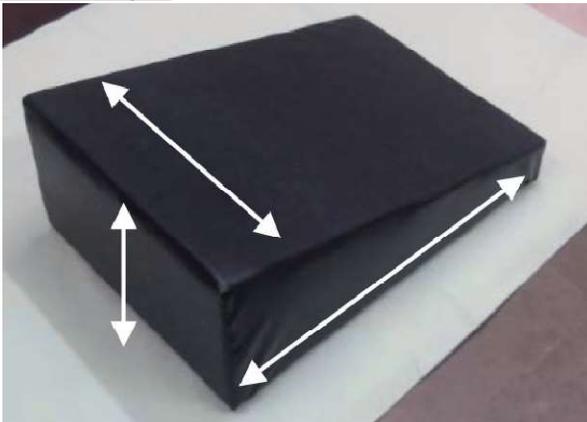
**14. Rope Ladder Swing for vestibular stimulation :**

1	Clinical Purpose	Provide Little acrobats can train their balance strength and power
2	Technical Characteristics	Should have a wooden bar that can be used as seat or gymnastic bar
		Should have sturdy synthetic rings which give a strong hold to little hands while exercising and the synthetic rope can securely be affixed with the metal rings.
		Should have max 200cm in length
		Should have min load capacity 60Kg
		Should have heavy duty hanger with ball bearing to support up to 60 min continuous swing;
		Age 3+

**15. Rhythmic Rocker :**

**16. Therapy Ball :****17. Balance Board:****18. Trampoline (Small)****19. Ball Pool with multi colour small ball for tactile stimulation :**

1	Clinical Purpose	Provide multi sensory tactile stimulation as preschoolers balance, adjust and move through them
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**20. Peg Board :****21. Prone Wedges:****22. Kaye-Walker :**

Height: 48-64 cm distance between hand grips 34 cm, frame width 58-60 cm, frame length 69-83 cm, user height 107-137 cm, maximum user weight 39 kg., frame weight 3.85 kg.

**23. Small Roll :**

**24. Three Seated Public Chair:**

Stainless Steel with arm & backrest, without cushion



**25. Canopy :**

Foldable Canopy printed with IEC messages (Size-6'x6'x7'), Fabric media. The inner and side of the Canopy to be printed with different messages.

