

बिड दस्तावेज़ / Bid Document

बिड विवरण / Bid Details	
बिड बंद होने की तारीख/समय / Bid End Date/Time	05-03-2026 14:00:00
बिड खुलने की तारीख/समय / Bid Opening Date/Time	05-03-2026 14:30:00
बिड पेशकश वैधता (बंद होने की तारीख से) / Bid Offer Validity (From End Date)	180 (Days)
मंत्रालय/राज्य का नाम / Ministry/State Name	Ministry Of Health And Family Welfare
विभाग का नाम / Department Name	Department Of Health And Family Welfare
संगठन का नाम / Organisation Name	North Eastern Indira Gandhi Regional Institute Of Health And Medical Sciences (neigrihms)
कार्यालय का नाम / Office Name	Neigrihms, Shillong
कुल मात्रा / Total Quantity	13
वस्तु श्रेणी / Item Category	Spirometer , Flow meter , Algometer , Metronome , Ph meter , Apparatus for continuous passive mixing
GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS	Instruments for Physiology -PG programme
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Condoms for Family Planning Programme, IUCD 375 for Family Planning Programme, IUCD 380A for Family Planning Programme, Tubal Rings for Family Planning Programme, Refrigerated Centrifuge For General And Research Purpose, Bivalent RDT Malaria Kit for NCVBDC Programme, Non Refrigerated Centrifuge for General Purpose and research, Injectable Contraceptive (Antara) for Family Planning Programme, Condoms (Free Supply) for Family Planning Programme, LED Diving Torch Light (Diving Instruments or Accessories)
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	<ul style="list-style-type: none"> Spirometer (V2)
बीओक्यू शीर्षक / BOQ Title	Instruments for Physiology
बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का) / Minimum Average Annual Turnover of the bidder (For 3 Years)	1 Lakh (s)
मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का) / OEM Average Turnover (Last 3 Years)	1 Lakh (s)

बिड विवरण/Bid Details	
उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष/ Years of Past Experience Required for same/similar service	3 Year (s)
वर्षों के अनुभव एवं टर्नओवर से एमएसई को छूट प्राप्त है / MSE Relaxation for Years Of Experience and Turnover	Yes Complete
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / Startup Relaxation for Years Of Experience and Turnover	Yes Complete
विक्रेता से मांगे गए दस्तावेज़/ Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC),Additional Doc 4 (Requested in ATC),Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेजों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेन् है/ Do you want to show documents uploaded by bidders to all bidders participated in bid?	Yes (Documents submitted as part of a clarification or representation during the tender/bid process will also be displayed to other participated bidders after log in)
बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension	2
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	10
ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count	1
विगत प्रदर्शन / Past Performance	30 %
बिड से रिवर्स नीलामी सक्रिय किया/ Bid to RA enabled	No
बिड का प्रकार/ Type of Bid	Two Packet Bid
प्राथमिक उत्पाद श्रेणी/ Primary product category	Flow meter
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय / Time allowed for Technical Clarifications during technical evaluation	7 Days
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/ Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No

बिड विवरण/Bid Details	
अनुमानित बिड मूल्य /Estimated Bid Value	500001
मूल्यांकन पद्धति/Evaluation Method	Item wise evaluation
वित्तीय दस्तावेज की आवश्यकता है / Financial Document Required	Yes
मध्यस्थता खंड/Arbitration Clause	No
सुलह खंड/Mediation Clause	No

ईएमडी विवरण/EMD Detail

एडवाइजरी बैंक/Advisory Bank	Bank Of Baroda
Schedule 1 ईएमडी राशि/EMD Amount (In INR)	2000
Schedule 2 ईएमडी राशि/EMD Amount (In INR)	2000
Schedule 3 ईएमडी राशि/EMD Amount (In INR)	2000
Schedule 4 ईएमडी राशि/EMD Amount (In INR)	2000
Schedule 5 ईएमडी राशि/EMD Amount (In INR)	1000
Schedule 6 ईएमडी राशि/EMD Amount (In INR)	1000

ईपीबीजी विवरण /ePBG Detail

आवश्यकता/Required	No
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(a). जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने हैं। एमएसई केटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।/EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). The EMD Amount will be applicable for each schedule/group selected during Bid creation.

(c). ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए। / EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

लाभार्थी /Beneficiary :

Stores and Procurment Officer
Neigrihms, Shillong, Department of Health and Family Welfare, North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences (NEIGRIHMS), Ministry of Health and Family Welfare
(Harendra Dey)

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

एमआईआई खरीद वरीयता / MII Purchase Preference

एमआईआई खरीद वरीयता / MII Purchase Preference	Yes
मेक इन इंडिया विक्रेताओं को खरीद में प्राथमिकता, यदि उनका मूल्य L1+X% तक की सीमा में है / Purchase Preference to MII sellers available upto price within L1+X%	20
मेक इन इंडिया खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MII purchase preference	50
सार्वजनिक खरीद (मेक-इन-इंडिया को प्राथमिकता) आदेश 2017 के अनुसार केवल क्लास 1/क्लास 2 के स्थानीय आपूर्तिकर्ताओं को ही भागीदारी की अनुमति है दिनांक 16.09.2020 (समय-समय पर संशोधित एवं लागू) / Allow participation only from Class 1/Class 2 local suppliers as per the Public procurement(Preference to Make-in-india) order 2017 date 16.09.2020(as amended and applicable time to time)	Yes, in compliance with the MII ORDER : DPIIT Order(as amended and applicable time to time)

एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं को खरीद में प्राथमिकता, यदि उनका मूल्य L1+X% तक की सीमा में हो / Purchase Preference to MSE OEMs available upto price within L1+X%	15
सूक्ष्म और लघु उद्यम को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MSE purchase preference	25

1. If the bidder is a Micro or Small Enterprise as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Experience Criteria" as defined above subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.
2. If the bidder is a Micro or Small Enterprise (MSE) as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Bidder Turnover" as defined above subject to meeting of quality and technical specifications. If the bidder itself is MSE OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover, shall upload the supporting documents to prove his eligibility for Relaxation.
3. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Experience Criteria" as defined above subject to their meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.
4. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Bidder Turnover" as defined above subject to their meeting of quality and technical specifications. If the bidder is DPIIT Registered OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover shall upload the supporting documents to prove his eligibility for Relaxation.

5. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

6. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM of the product offered in the bid {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts and delivery acceptance certificates like CRAC to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

7. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

8. Preference to Make In India products (For bids < 200 Crore): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate. The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

9. Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the OM No. F.1/4/2021-PPD dated 18.05.2023 [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

10. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

11. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 30% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity

supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

Pre Bid Detail(s)

मूल्य भिन्नता खंड दस्तावेज/Pre-Bid Date and Time	प्री-बिड स्थान/Pre-Bid Venue
13-02-2026 16:00:00	sProcurement Cell or through VC

मूल्यांकन विधि(मदवार मूल्यांकन विधि) / Evaluation Method (Item Wise Evaluation Method)

Contract will be awarded schedulewise and the determination of L1 will be done separately for each schedule. The details of item-consignee combination covered under each schedule are as under:

मूल्यांकन अनुसूचियां / Evaluation Schedules	अनुमानित मूल्य / Estimated Value	वस्तु/श्रेणी / Item/Category	मात्रा / Quantity
Schedule 1	100000	Spirometer	2
Schedule 2	100000	Flow Meter	2
Schedule 3	100000	Algometer	2
Schedule 4	100000	Metronome	2
Schedule 5	50000	Ph Meter	2
Schedule 6	50001	Apparatus For Continuous Passive Mixing	3

Spirometer

(क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक/Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

तकनीकी विशिष्टियाँ / Technical Specifications

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Khrawkumar Jithod Katrai	793018,P.O. NEIGRIHMS, Mawdiangdiang, Shillong	2	60

Flow Meter

(क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक/Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

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क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Khrawkumar Jithod Katrai	793018,P.O. NEIGRIHMS, Mawdiangdiang, Shillong	2	60

Algometer

(क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक/Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

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परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Khrawkumar Jithod Katrai	793018,P.O. NEIGRIHMS, Mawdiangdiang, Shillong	2	60

Metronome

(क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक/Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

तकनीकी विशिष्टियाँ /Technical Specifications

Specification Document	View File
BOQ Detail Document	View File

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परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Khrawkumar Jithod Katrai	793018,P.O. NEIGRIHMS, Mawdiangdiang, Shillong	2	60

Ph Meter

(क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक/Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

तकनीकी विशिष्टियाँ /Technical Specifications

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परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Khrawkumar Jithod Katrai	793018,P.O. NEIGRIHMS, Mawdiangdiang, Shillong	2	60

Apparatus For Continuous Passive Mixing

(क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक/Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

तकनीकी विशिष्टियाँ /Technical Specifications

Specification Document	View File
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Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Khrawkumar Jithod Katrai	793018,P.O. NEIGRIHMS, Mawdiangdiang, Shillong	3	60

क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions

1. Experience Certificate for the supply of the same to any Govt/ PSU/ any renowned private organisation along with Supply/ Purchase Order.
2. If the agency is registered under MSME or NSIC, then EMD exemption certificate needs to be enclosed.
3. Make in india specific authorisation certificate needs to be enclosed.
4. **Generic**

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

5. **Generic**

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

6. **Generic**

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 50 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 50% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$, subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the

original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

7. **Warranty**

Warranty period of the supplied products shall be 1 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

8. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

Technical Specification

-

Computerized Spirometer (Electronic Spirometer)

Computerized Spirometer It helps to diagnose and monitor conditions that affect breathing by measuring the airflow in and out of the lung.

Should be able to perform at least following test with regard to various parameters used in pulmonary Functions Test.

- i. Vital Capacity (VC)
- ii. Inspiratory Capacity (IC)
- iii. Inspiratory Reserve Volume(IRV)
- iv. Expiratory Reserve Volume(ERV)
- v. Tidal Volume(TV)
- vi. Minute Ventilation (MV)
- vii. Maximal Voluntary Ventilation (MVV)
- viii. Breathing Frequency (BF)
- ix. Breathing Reserve (BR)
- x. Real Time Flow/Volume Curve Showing ≥ 30 Spirometric parameters.
- xi. Real time Volume /Time Curve. Technical Specifications :

1. Should be a small handheld portable device with maximum acceptable weight without computer in the range of 60-150 gm.

2. Should have flow range $\pm 14-16$ L/Sec or more and accuracy of flow measurement $\leq 5\%$

3. Should have volume range 0 to 10-14 L or more and accuracy of volume measurement $\leq 3\%$

4. Maximum resistance of headpiece should be ≤ 0.9 cm H₂O/L/Sec (at 14 L/Sec flow) or ≤ 0.5 cm H₂O/L/Sec(at 12 L/Sec flow)

5. Dead space and maximum resistance should be adequate enough so as not to compromise machine accuracy.

6. Should have power supply via USB Cable /adaptor with appropriate computer software for data analysis of the spirometric parameters.
7. Should have CE /FDA/IEC/Appropriate Indian Safety & Quality standard Certification.

Wright Peak Flow Meter

1. Measurement Range: 60-800 L/min (liters per minute) is a common range for the standard Mini Wright meter. Some models may have a lower range for children or individuals with severe airflow obstruction.
2. Accuracy: The meter should be calibrated to ensure accuracy, with typical specifications stating within ± 10 L/min.
3. Repeatability: The device should provide consistent readings, with specifications often stating within ± 2 L/min.
4. Scale Increments: The scale markings on the meter should allow for clear and accurate readings, typically with increments of 5 L/min.
5. Dimensions and Weight: The device is typically lightweight and compact, designed for portability. For example, one model measures 7" H x 6" W x 2.5" D and weighs 2.4 lbs.
6. Mouthpiece: Disposable or reusable mouthpieces are used with the device.
7. Calibration: Individually calibrated for accuracy and reproducibility.
8. Features & Benefits:
9. Asthma Management:
10. The Mini Wright meter is a key tool for monitoring asthma and helping individuals manage their condition.
11. Portability:
12. Its lightweight and compact design allows for easy use at home, work, or while traveling.
13. Easy to Use:
14. The device is designed for simple operation, making it accessible for individuals of various ages and abilities.
15. Objective Measurement:
16. Provides objective data on airflow, allowing for better assessment of lung function.
17. Important Considerations:
18. Scale Variations:
19. Mini Wright meters are available with different scales, including the traditional Wright scale and the newer European scale.
20. Accuracy in Different Ranges:
21. Some meters may have different accuracy profiles across the measurement range, so it's important to be aware of this when interpreting results.
22. Proper Technique:
23. Using the device correctly is crucial for obtaining accurate readings. Refer to instructions and seek guidance from a healthcare professional.
24. Regular Monitoring:
25. Regularly monitoring peak flow, as directed by a healthcare provider, is essential for effective asthma management.

26. For medical college use, the Mini Wright Peak Flow Meter, with its established accuracy, repeat ability, and ease of use, is a suitable choice for teaching and clinical practice.

Algometer

- 1) Automated handheld device with software for measuring pressure for assessing deep tissue pain perception
- 2) .Hardware components for automated handheld device for measuring pressure for assessing deep tissue pain perception.
- 3) Automated, Computerized handheld device for measuring pressure for assessing deep tissue pain perception.
- 4) . Quantify pressure response in the evaluation of various pain conditions and monitor treatment effectiveness
- 5) Features: . Graphic LCD display of the test including applied pressure change rate. .
- 6) Display - 160X100 LCD with display update of 8 per second .
- 7) Ergonomic handle for easy grip, and support various tip sizes.
- 8) Auto calibrate. Tip size of pressure analyzer - 1 cm²
- 9) Communication USB . Database SQL server compact edition.
- 10) Load cell up to 50 lbf (25 kgf) .
- 11) Accuracy $\pm 0.3\%$ F.S
- 12) Resolution: 0.05 lbf .
- 13) Internal Memory of device - 500 Data Point Memory .
- 14) Standardized stimulus for repeatability.
- 15) . Includes a Patient response unit to record, to start or stop the test and for measuring pressure threshold and tolerance tests.
- 16) Software Details for Automated handheld device for measuring pressure for assessing deep tissue pain perception.
- 17) . Licensed & Originality of Software is original and lifetime licensed .
- 18) User interface of Able to record test results mapped according to the predefined body site, and be able to save, export to excel and print as a customizable report.
- 19) Display test statistics according to selected test methods.
- 20) Pressure units to support KPa; Kg/cm² and lbs/in² of Stimuli Protocol Limits (Threshold, tolerance), ramp and hold,
- 21) it should allow managing patients, test paradigms and results. O
- 22) The ability to interface with the computer and measure/control the rate of ascent, gives a more standardized stimulus for repeatability. O
- 23) Able to record test results mapped according to a predefined body site, and be able to save, export to Excel and print as a customizable report. O
- 24) Produce real-time audio feedback to control and monitor applied pressure change rates.
- 25) Report generation
- 26) Offer outcome-based reports with built-in- templates.
- 27) Ability to compare previous data of a patient between body sites or over time.

- 28) Ability to change parameters of the test: units, rate of ascent, maximum pressure applied. o Comprehensive test statistics
- 29) Customizable outcome-based colour graphic reports of Body site selection, Calibration verification weight, Ramp & Hold Protocol Compatibility and Other Requirements Operating system requirement, Warranty & maintenance criteria:
- 30) Software operating system - Microsoft 1 1/Updated linux system o Firm must quote 5 years warranty
- 31) The firm must quote 5 years CMC after completion of 5 years warrant5r. o Onsite training & maintenance should be provided to the user by the vendor. Medical Device Regulations o Compliance with relevant regulations (FDA, CE certified/ ISO). Quality assurance may be verified and checked from Standardization Testing and Quality Certification Directorate { STQC} or National test house o a o User Documentation o Comprehensive user Manual. Online Support Resources.

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Electronic Metronome (Digital)

For generating different beats for per minute (BPM) variable sound frequency.

PH METER

1. Should have Electrode connector, carry, PH electrode and temperature sensor.
2. The measurement of pH mV and temperature should be possible.
3. Range pH measurement should be at least -2.00 to + 14.00
4. Accuracy for each PH measurement should be ± 0.005 or better
5. For calibration, preprogrammed buffer sets should be supplied, automatic buffer recognition and display should be possible maximum 3 point calibration, and manual calibration with selected buffers should be possible.
6. Should have dead stop function.
7. Range for mV should be -999.9 to +999.9 Accuracy for each mV measurement should be ± 0.3 mV.
8. Auto range function for mV, which can be switched off. If needed.
9. Temperature measurement range should be from -5 to 120°C Automatic temperature compensation and read out from 0 to 60 C with temperature sensor.
10. Accuracy for temperature $\pm 0.1^\circ\text{C}$.
11. Selection for °C and automatic switch over to manual temperature input when no temperature input is connected.
12. Should have two channels for pH, mV and temperature measurements.
13. RS 232 C interface output to connect a printer or a computer. Data storage for atleast 500 data a BIVC connection, including cover and stand, pH temperature combination electrode calibration solutions,
14. Should have direct connection to printer.
15. Should have protection against water and dust IP65 (impermeable to water splashes from the direction).
16. Automatic buffer recognition and calibration for 1 or 2 buffers recognition of up to 5 selectable

e buffers.

17. 5 years comprehensive warranty.

Apparatus for Continuous Passive Mixing

1. CPM is used to treat joints of the lower limb after an injury, disease or following surgery.
2. Based on a concept originated by SALTER IN 1970, this device has varied applications namely treatment of intra articular fractures, septic arthritis, ligaments tendon healing and also following total joint replacement to ensure a sufficient range of motion.
3. To prevent stiffening, the joint have to be moved continuously which results in the following. · Minimize swelling and pain after operation · Ensures faster recovery and shortened hospital stay. Prevents extra articular contractures and adhesions.
4. Ext/Flex Angle indicator at knee position · Compact and elegant construction · Electronic controls enable all adjustment of angle to be made on the front panel. · Smooth and silent movement ·
5. Digital timer with alarm · Patient safety switch for stopping and reversing the motion.
6. Specifications Treatment time 0 – 99 minutes Reset time 1 to 5 seconds Angle Extension 0 Power 230V/AC/50Hz, 75VA.

Specification for Multi-frequency Body Composition Analyser – Bio- electrical Impedance technology, touch screen, portable

Parameters

Fat % and normal range

Fat weight and normal range

Lean % and normal range

Lean weight and normal range

Water % and normal range

Dry Lean weight

Total Body Water and normal range

ECW % and normal range

ECW volume

ICW % and normal range

ICW volume

3rd Space Water

BMR

BMR/ Body Weight

Estimated Average Requirement

BMI and normal range

BMFI and normal range

FFMI and normal range

Nutritional Index

Body Cell Mass

Waist/Hip Ratio

Prediction Marker (Impedance Ratio)

Phase Angle

Impedance values at 4 frequencies ranging from 5 kHz to 200 kHz

Resistance at 50 kHz

Reactance at 50 kHz

Phase angle at 50 kHz

** Skeletal muscle mass - in software

** 100 tests are stored in memory

** Age range : 6 -17 years

18 - 70 years

> 70 years (in software)

Software for report generation

Compatible portable thermal printer, Bluetooth enabled and battery operated.

Measure Phase angle

Two separate equations to calculate lean mass (FFM) and total Body Water.

Applies to all age groups from neonates to the very elderly and irrespective of population group

Measurement

Technology : Bio-Impedance Analysis (BIA)

Impedance Measuring Range : 20 - 1300 Ω ohms

Accuracy : Impedance (5 kHz): +/- 2 Ω

Impedance (50 kHz): +/- 2 Ω

Resistance (50 kHz): +/- 2 Ω

Reactance (50 kHz): +/- 1 Ω

Phase Angle (50 kHz): +/- 0.2o

Impedance (100 kHz): +/- 3 Ω

Impedance (200 kHz): +/- 3 Ω

Test Current : 620 Micro-Amps R.M.S. (Root Mean Square)

Frequency : 5/50/100/200 kHz (KiloHertz)

Calibration : a calibrator is supplied for independent verification from time to time

Configuration : 2 LEMO lead wire (removable)

Computation Time : 3 seconds

PC Communication : USB interface

Internal Power Source : Duracell MN1500 alkaline batteries, 6 x AA (LR6) 1.5v non- rechargeable

Service : there are no serviceable parts other than the need for periodic battery replacement and periodic calibration.

Quality Standards : Manufactured to strict ISO I3485-2016 quality standards.

Fully accredited by the Medical Devices Directive (MDD) with its CE1639 marking and for EN6060I, also FDA cleared.

अस्वीकरण/**Disclaimer**

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for

[attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)

9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.
15. Buyer added ATC Clauses which are in contravention of clauses defined by buyer in system generated bid template as indicated above in the Bid Details section, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by GeM GTC.
16. In a category based bid, adding additional items, through buyer added additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogs or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.

For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.

The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:

- **All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and**
- **All operative provisions of the erstwhile Labour Laws until their complete substitution.**

All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.

[यह बिड सामान्य शर्तों के अंतर्गत भी शासित है /This Bid is also governed by the General Terms and Conditions](#)

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।/In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---धन्यवाद/Thank You---