

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	07-06-2023 17:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	07-06-2023 17:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	110 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Social Justice And Empowerment
Department Name/विभाग का नाम	Department Of Empowerment Of Persons With Disabilities
Organisation Name/संगठन का नाम	Swami Vivekanand National Institute Of Rehabilitation Traini And Research (svnirtar) Olatpur Odisha
Office Name/कार्यालय का नाम	Cuttack
Total Quantity/कुल मात्रा	33
Item Category/मद केटेगरी	C Arm equipment for Operation Theatre without CMC , C Arm equipment with CMC , Digital Radiography System without C Digital Radiography System with CMC , Footsteps , Dry Laser printer , 3 KVA or more online UPS , voltage stabilizer , Mann Bone cutting Machine , Oxygen Concetrator , Intelligent Tourniquet machine , Paraplegia folding Bed with mattress , Patient Trolley with mattress , Electro Cauty
BOQ Title/बीओक्यू शीर्षक	DR CRM EQUIPMENT
Minimum Average Annual Turnover of the bidder (For 3 Years)/बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का)	50 Lakh (s)
Years of Past Experience Required for same/similar service/उन्हीं/समान सेवाओं के लिए अपेक्षित विगत अनुभव के वर्ष	2 Year (s)
MSE Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से एमएसई छूट	No
Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से स्टार्टअप छूट	No
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Experience Criteria,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,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 buyer

Bid Details/बिड विवरण

Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	Yes
RA Qualification Rule	50% Lowest Priced Technically Qualified Bidders
Type of Bid/बिड का प्रकार	Two Packet Bid
Primary product category	Digital Radiography System without CMC
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	2 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Evaluation Method/मूल्यांकन पद्धति	Item wise evaluation/

EMD Detail/ईएमडी विवरण

Advisory Bank/एडवाइजरी बैंक	State Bank of India
Schedule 1 EMD Amount/ईएमडी राशि (In INR)	12000
Schedule 2 EMD Amount/ईएमडी राशि (In INR)	12000
Schedule 3 EMD Amount/ईएमडी राशि (In INR)	70000
Schedule 4 EMD Amount/ईएमडी राशि (In INR)	70000
Schedule 5 EMD Amount/ईएमडी राशि (In INR)	200
Schedule 6 EMD Amount/ईएमडी राशि (In INR)	1000
Schedule 7 EMD Amount/ईएमडी राशि (In INR)	1500
Schedule 8 EMD Amount/ईएमडी राशि (In INR)	500
Schedule 9 EMD Amount/ईएमडी राशि (In INR)	5000
Schedule 10 EMD Amount/ईएमडी राशि (In INR)	1000
Schedule 11 EMD Amount/ईएमडी राशि (In INR)	1000
Schedule 12 EMD Amount/ईएमडी राशि (In INR)	3800
Schedule 13 EMD Amount/ईएमडी राशि (In INR)	2000
Schedule 14 EMD Amount/ईएमडी राशि (In INR)	12000

ePBG Detail/ईपीबीजी विवरण

Advisory Bank/एडवाइजरी बैंक	State Bank of India
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ePBG Percentage(%) / ईपीबीजी प्रतिशत (%)	10.00
Duration of ePBG required (Months) / ईपीबीजी की अपेक्षित अवधि (महीने).	26

(a). 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. / 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, विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।

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

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

Beneficiary/लाभार्थी :

DIRECTOR

CUTTACK, Department of Empowerment of Persons with Disabilities, Swami Vivekanand National Institute of Rehabilitation Training and Research (SVNIRTAR) Olatpur Odisha, Ministry of Social Justice and Empowerment (Director)

Splitting/विभाजन

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

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	Yes
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MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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1. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of 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.

2. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or their reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts 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.

3. 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 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. In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

4. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs 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 the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises 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. If L-1 is not 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 Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total QUANTITY.

5. 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 will be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

6. Reverse Auction would be conducted amongst first 50% of the technically qualified bidders arranged in the order of prices from lowest to highest. Number of sellers eligible for participating in RA would be rounded off to next higher integer value if number of technically qualified bidders is odd (e.g. if 7 bids are technically qualified, then RA will be conducted amongst L-1 to L-4). In case number of technically qualified bidders are 2 or 3, RA will be between all with any elimination. If Buyer has chosen to split the bid amongst N sellers, then minimum N sellers would be taken to RA round. In case Primary products of only one OEM are left in contention for participation in RA based on lowest 50% of bidders qualifying for RA, the number of sellers qualifying for RA would be increased to get at least products of one more OEM (directly participated or through its reseller) if available. Further, if bid(s) of any seller(s) eligible for MSE preference are coming within price band of 15% of Non MSE L-1 or if bid of any seller(s) eligible for Make in India preference is coming within price band of 20% of non MII L-1, then such MSE / Make in India seller shall also be allowed to participate in the RA process.

Pre Bid Detail(s)

Pre-Bid Date and Time	Pre-Bid Venue
02-06-2023 16:00:00	SVNIRTAR, OLATPUR, CUTTACK

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:

Evaluation Schedules	Item/Category	Quantity
Schedule 1	C Arm Equipment For Operation Theatre Without Cmc	1
Schedule 2	C Arm Equipment With Cmc	1
Schedule 3	Digital Radiography System Without Cmc	1
Schedule 4	Digital Radiography System With Cmc	1
Schedule 5	Footsteps	1

Schedule 6	Dry Laser Printer	1
Schedule 7	3 Kva Or More Online Ups	1
Schedule 8	Voltage Stabilizer	1
Schedule 9	Manman Bone Cutting Machine	1
Schedule 10	Oxygen Concetrator	2
Schedule 11	Intelligent Tourniquet Machine	1
Schedule 12	Paraplegia Folding Bed With Mattress	10
Schedule 13	Patient Trolley With Mattress	10
Schedule 14	Electro Cautry	1

C Arm Equipment For Operation Theatre Without CMC

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

Technical Specifications/तकनीकी विशिष्टियाँ

Specification Document	View File
BOQ Detail Document	View File

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

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

S.No./क्र.सं.	Consignee Reporting/Officer/परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवर दिन
1	Prasanta Rout	754010,At-Olatpur, Po-Bairoi, Dist-Cuttack, Pin-754010, Odisha	1	45

C Arm Equipment With CMC

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

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1	Prasanta Rout	754010,At-Olatpur, Po-Bairoi, Dist-Cuttack, Pin-754010, Odisha	1	45

Digital Radiography System Without CMC

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

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1	Prasanta Rout	754010,At-Olatpur, Po-Bairoi, Dist-Cuttack, Pin-754010, Odisha	1	45

Digital Radiography System With CMC

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier

respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

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1	Prasanta Rout	754010,At-Olatpur, Po-Bairoi, Dist-Cuttack, Pin-754010, Odisha	1	45

Footsteps

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

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1	Prasanta Rout	754010,At-Olatpur, Po-Bairoi, Dist-Cuttack, Pin-754010, Odisha	1	45

Dry Laser Printer

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

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3 KVA Or More Online UPS

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

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1	Prasanta Rout	754010,At-Olatpur, Po-Bairoi, Dist-Cuttack, Pin-754010, Odisha	1	45

Voltage Stabilizer

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

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Manman Bone Cutting Machine

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

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Oxygen Concetrator

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

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1	Prasanta Rout	754010,At-Olatpur, Po-Bairoi, Dist-Cuttack, Pin-754010, Odisha	2	45

Intelligent Tourniquet Machine

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

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1	Prasanta Rout	754010,At-Olatpur, Po-Bairoi, Dist-Cuttack, Pin-754010, Odisha	1	45

Paraplegia Folding Bed With Mattress

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

Technical Specifications/तकनीकी विशिष्टियाँ

Specification Document	View File
BOQ Detail Document	View File

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

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

S.No./क्र.सं	Consignee Reporting/Officer/परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवर दिन
1	Prasanta Rout	754010,At-Olatpur, Po-Bairoi, Dist-Cuttack, Pin-754010, Odisha	10	45

Patient Trolley With Mattress

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

Technical Specifications/तकनीकी विशिष्टियाँ

Specification Document	View File
BOQ Detail Document	View File

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

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

S.No./क्र.सं.	Consignee Reporting/Officer/परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवर दिन
1	Prasanta Rout	754010,At-Olatpur, Po-Bairoi, Dist-Cuttack, Pin-754010, Odisha	10	45

Electro Cauty

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

Technical Specifications/तकनीकी विशिष्टियाँ

Specification Document	View File
BOQ Detail Document	View File

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

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

S.No./क्र.सं	Consignee Reporting/Officer/परे षिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी दिन
1	Prasanta Rout	754010,At-Olatpur, Po-Bairoi, Dist-Cuttack, Pin-754010, Odisha	1	45

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

1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contract rates. Bidders are bound to accept the orders accordingly.

2. Forms of EMD and PBG

Bidders can also submit the EMD with Account Payee Demand Draft in favour of

DIRECTOR, SVNIRTAR
payable at
OLATPUR, BAIROI, CUTTACK

Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to Buyer within 5 days of Bid End date / Bid Opening date.

3. Forms of EMD and PBG

Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (bes PBG which is allowed as per GeM GTC). DD should be made in favour of

DIRECTOR, SVNIRTAR
payable at
OLATPUR, BAIROI, CUTTACK

. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.

4. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

SWAMI VIVEKANAND NATIONAL INSTITUTE OF REHABILITATION TRAINING AND RESEARCH

(Ministry of Social Justice & Empowerment, Govt. of India)

Department of Empowerment of Persons with Disabilities,(Divyangjan)

OLATPUR, P.O: BAIROI, DIST: CUTTACK (ODISHA) Pin: 754010.

Ref-AD-5/BOQ/Equipment/PMRD//22-23

Date-20.04.2023

GEM BOQ BID DOCUMENT FOR PMRD EQUIPMENT

GENERAL INSTRUCTIONS AND TERMS & CONDITIONS OF TENDER DOCUMENT

**Bidders can participate in GEM BOQ Bid in GEM site those are registered seller of GEM.
All rules & regulations of bid are as per default conditions and procedure of GEM.**

A. FOLLOWING DOCUMENTS TO BE UPLOADED.

SI	Name of documents
1	GST Certificate
2	Pan Card
3	Aadhar card
4	Last quarter/month GST 3B receipt.
5	IT return for 21-22/22-23
6	Bidder turnover certificate mentioning UDIN Number of CA.
7	Experience certificate in GEM.
8	MSME certificate if any & MII certificate (mandatory).
9	OEM Authorization certificate for SI-1 to 4 and 9, 11 and 14 mandatory.
10	Technical Bid details as per Annexure-I
11	Compliance Statement as per Annexure-II

12	Declaration as per Annexure-III
13	Bank Account details

Annexure-I (Technical bid details format).

Sl. No	Information required	Information to be provided by the bidder
1	Name of the firm/ organization	
2	Whether the organization is proprietorship / partnership/ Pvt. Ltd.,/ Ltd. Company	
3	Local/present Address, Mob. No. & What's up No. and E-mail. Of the proprietor and firm.	
4	If the head office other than in (3) above, then give the address for the same	
5	Name of the contact person and his contact no.	

Annexure-II (FORMAT OF COMPLIANCE STATEMENT)

Name of Items	Required Specification	Whether complied to the required specification YES/NO	If yes, write name of brand/company of equipment to be supplied
1	2	3	4

Annexure-III (DECLARATION FORMAT)

I/we having my/our office at
..... do hereby declare that I/we have carefully read all the terms & conditions of
BOQ BID of the SVNIRTAR, Olatpur, Bairoi, Dist-Cuttack, Odisha-754010 for.....
..... I will abide by all terms and conditions set forth in the tender paper and GEM for t
eriod of agreement.

Signature of Bidder

B. Terms & Conditions

Ø As per default terms & condition of GEM.

- Ø Materials will be delivered and installed at SVNIRTAR during working hours and on working days only. If c
nee is changed, it will be informed by mail or clarification/ATC in the bid.
- Ø If any items are not accepted, it may be replaced within seven days otherwise it will be rejected.
- Ø If price of any items or total amount of order is more than our estimate value, excess amount items may
jected or total bid may be cancelled.
- Ø Work will be treated as ok if it is accepted by the indenting department/Engineer.
- Ø Installation/demonstration/training is the responsibility of supplier. No extra cost will be paid for it.
- Ø Warranty certificates must be submitted along with materials.
- Ø Supplier must attend the call for maintenance of any defect of equipment/materials within warranty peri
three years.
- Ø Defect of equipment/materials must be replaced/repared within seven days and equipment's must be ol
- Ø Design/materials/brand may be changed by indenter as per site requirement.
- Ø Leaflet/brochure of equipment to be supplied by bidder must be submitted.
- Ø **CMC for equipment is required for minimum 5 years after warranty period. CMC amount quot
ongwith equipment value will be paid after satisfactory completion of CMC on half yearly/yr
basis.**

**Bidders applied for DR System must be quoted from SI No-3 to 8 (mandatory) but out of 3
ne item will be accepted alongwith 5 to 8 considering financial estimate.**

**Similarly bidders applied for C-Arm equipment must be quoted for item No-1 & 2. One item
e selected considering financial estimate.**

**After installation, an agreement will be made by bidder for CMC. L1 eligible bidder of any
ment will be given order for supply and installation of equipment at SVNIRTAR and he will a
e given CMC as per quoted rate after agreement.**

**Payment of CMC will be made on yearly basis after satisfactorily completion and submissic
manual bill duely certifying from the user wing. For CMC minimum two visit of party is man
y in each quarter and further on calling as and when required or breakage of equipment. Aut
y may change or add the T&C and can cancel the CMC if required.**

S/d-

DIRECTOR

Details specification PMRD Equipment.

Item Number	Item Title	Item Description
1	C-Arm equipment for Operation Theatre without CMC	Details specification sheet attached below.
2	C-Arm equipment with CMC	Specification is same as per Sl. 1 and CMC terms & conditions has mentioned in the document Terms & conditions.
3	Digital Radiography System without CMC	Details specification sheet attached below.
4	Digital Radiography System with CMC	Specification is same as per Sl. 3 and CMC terms & conditions has mentioned in the document Terms & conditions.
5	Footsteps	For the table supplied for DR System.
6	Dry Laser printer	320 DPI/PPI (single tray) capable of accommodating all available film sizes for printing compatible to DR System.
7	3 KVA or more online UPS	For providing minimum 30 Mins power backup for Console & printer of DR System.
8	voltage stabilizer	To be supplied with compatible to run the entire DR System machine.
9	Manman Bone cutting Machine	As per details attached below.
10	Oxygen Concentrator	As per details attached below.
11	Intelligent Tourniquet machine	As per details attached below.

12	Paraplegia folding Bed with mattress	<p>Hospital Bed 2 Cranks (Heavy Duty) with mattress, IV stand & Over bed table.</p> <ul style="list-style-type: none"> · Free: Leatherette mattress, Over Bed table, IV stand/Dextrose Holder, · Adjustable in two positions 9 Upper Torso & Legs) · ABS head & foot board can be removable. · Alluminium Alloy side rail, collapsed type with safe lock. · Bed framework made from mild steel ERW rectangular tubes. · With controller brake to allow caregiver to set predetermined · Easy to fold, with plastic head & footboard, Mesh-type bed board. · Dimension-79"x38"x22", · Backrest lifting Angle-80 degree + 5 degree, Knee rest lifting Angle- 40 degree + 5 degree.
13	Patient Trolley with mattresses	Stretcher trolley with oxygen cage & safety rails for patients. Emergency recovery trolley, MS stretcher top with cushion top (Trolley for hospital), Dimension- 84"x22"x32".
14	Electro Cautery	As per specification given below.

(5) Specification for Manman Bone Cutting Machine

1. Driving unit

- a. Completely enclosed with stainless steel body.
- b. 90 watt motor, 220v/samp AC/DC supplies with MCB (miniature circuit breaker).
- c. Supported on a mobile folding stand (Stainless steel tubes & M.S square bars with castors).
- d. Includes a foot control with step-less speed control & ON/OFF switch with fuse.

2. Cannulated Drill (one piece pistol grip) hand piece (Autoclavable)

- a. Stainless steel Jacob's Drill chuck (0-1/4")
- b. Weight 800gms Approx.
 - c. Maximum speed 1200 RPM
 - d. 5.5 cannulated.

3. Cannulated Reaming (one piece pistol grip) hand piece (Autoclavable)

- a. Maximum speed 400 RPM.

- b. AO type quick coupling.
- c. 5.5mm cannulated.
- d. Ideal for Intra Medullary Reaming.
- e. Weight 750gms approx.
 - f. Adaptors available for Jacob's, Trinkle, Synthes, Hudson & Zimmer ends.

4. Saggital Saw (one piece Pistol Grip) hand piece (Autoclavable).

- a. More than 17500 CPM. Oscillating type.
- b. Weight 700gms approx.
- c. Five types of blade can be set at 45 degree to 90 degree.
- d. Blades from hardened & tempered high quality stainless steel.
- e. Special blade for total knee replacement (TKR) is provided.
- f. To take difficult cuts at depth.
- g. Ideal for TKR, THR.

5. Flexibles haft (Autoclavable)

- a. Length 1.5mts.
- b. Weight approx 1000gms.
 - c. Push-pull type ends (stainless steel).

6. Flexible Reamer (Autoclavable)

- a. Flexible Reamers Shaft 8mm fixed Head.
- b. Flexible reamer shaft for detachable heads upto 12mm.
- c. Flexible reamer shaft for detachable heads above 12mm.
- d. Detachable reamer heads from 8.5 to 15mm, step 0.5mm.
- e. Flexible reamer shaft standard length 440mm.

7. Flexible Reamer Shaft with fixed heads form 6mm to 15mm (with step of 0.5mm).

8. Pen Type Drill hand piece (Autoclavable)

- a. Pistol grip optional provided.
- b. Stainless steel Jacob's Drill Chuck (0-1/4")
- c. Weight 500gms approx (with grip)
- d. Weight 250gms approx (without grip)
- e. Ergonomically designed upon the output of shaft.
- f. 4mm cannulated upto 400mm deep.
- g. Useful for general-purpose nailing wire driving & drilling.

9. Cannulated K-Wire Driver Pistol grip hand piece (Autoclavable)

- a. Holding capacity of wire from 0.9mm to 3.5mm
- b. Steps election is available with knob.
- a. Weight 800gms approx.
 - b. Maximum speed 1200RPM
 - c. 5.5mm Cannulated.

10. Manman Guide Wire.

- a. 3 no.wire in one set.
- b. 2 no.bided guide wire.
- c. 1 no.normal guide wire.
- d. Standard length of guide wire 100cm approx.

6).Specifications for Oxygen Concentrator

Respironics Ever flo is the most popular home oxygen concentrator that provides a continuous flow of 0.5-5 LPM with oxygen purity of 93 % (+/-3% at all flow rates.

Light weight and Easy to Transport: Ever flo weighs just 14 kgs and comes with a compact design that can be easily carried or driven using its wheels and top handle.

Sound Level: The machine emits sound at 40 dB, the lowest among all the concentrators.

Lowest Power Consumption: Ever flo consumes just 350 watts of power making it energy-efficient and budget-friendly in the long run.

Operating Altitude: The operating altitude of Respironics Everflo is 7000ft or 2286 m which allows it to be used for patients who live at a high altitude

Oxygen Purity Indicator: To prevent any unforeseen situation, the machine comes with an Oxygen Purity Indicator or OPI that lights up if the oxygen purity level of the machine reaches below 82%.

Warranty: Respironics Ever flo comes with a 3 years warranty

in India. **Approvals and Certifications:** FDA-approved and CE certified.

Required

- Ever flo 5 LPM Oxygen Concentrator
- Nasal Cannula/ Face Mask 2 nos.
- Humidifier Bottle
- Power Cable

7. Technical Specifications of Intelligent Tourniquet

Control	Micro computerized cuff pressure control
Inflation Air Source	Internal Air compressor
Cuff Pressure	Adjustable 100 to 450 mmHg
Preset Resolution	10mmHg
Accuracy	Max. +5%
Displays	3 digit-Pre-selected Pressure 3 digit-Clock-Elapsed time Green led for inflate & Red led for Deflate
Push Button Functions	Present Pressure for each separately, inflate/Deflate-cuffs 1 & 2 Deflate-cuff 1 &2
Clock Elapsed Time	0.00-3.00 hours
Counter	Reset at deflate mode
Alarms	Pressure Sensor Setting: 1. Cuff pressure is out of rang >than 30 sec. after initial start. 2. Cuff pressure is out of rang > than 11 sec. during operation. 3. After elapsed time of 30 min & every 30 min. thereafter. 4. 3 beeps -9 min. prior to set time. 5. Deflate mode cuff pressure is higher than 20mm Hg 15 sec. after deflate mode is activated.
Power Consumption	200 W
Voltage Source	230 VAC, 50 Hz
Weight	7.5 kg
Dimensions	290(w) x 110 (h) x 260 (d) mm

Note: Specifications are subject to change without notice

Intelligent Tourniquet 2003

Double Cuff operating room electronic tourniquets

Smart, flexible and easy to operate electronic tourniquet system, suitable for any mode of tourniquet application including I. V. Regional Anesthesia / Bier's Block. Unit includes an independent, reliable control and pressure sensor. Suitable for any tourniquet cuff inflation, total operation control time, recording and sophisticated alarms for a

onal safety.

Special Features and benefits

- Ø Electrically powered
- Ø Immediate access to any required cuff pressure
- Ø Sophisticated alarms
- Ø Integrated time recording and display
- Ø User friendly panel access
- Ø Computerized control
- Ø No need for external air supply
- Ø Pressure memory is saved during power failure

Ordering Information

-

Ø Intelligent Tourniquet 2003	LD 10010000 Accessories
Ø Transparent tubing	LT 10030001
Ø Quick Coupling Female	LT 10030002
Ø Quick Coupling Male	LT 10030003
Ø Mobile Stand & Basket available on request	LT 1003004

-

Brand- MDE/ Diamond are preferable.

SPECIFICATIONS OF C-ARM IMAGE INTENSIFIER

Microprocessor controlled C-arm machine should provides the excellent image qua at low radiation, ideally suited for entry level surgery in many application fields.

A) IMAGE INTENSIFIER:

- Image Intensifying Tube: 9 Inches, Triple Field.
- Camera: High Resolution Camera.
- Monitor (02 Nos.): 17" High resolution LCD monitor along with a trolley.

B) C-ARM MOVEMENTS:

- 1) Rotation: +180 Degrees.
- 2) Motorized Up/Down: 420mm or more

- 3) Horizontal Travel: 210 mm or more
- 4) Arc Orbital Movement: 120 Degrees.
- 5) Wig Wag: ± 12.5 Degrees.
- 6) Source to Image distance should be 940mm.
- 7) Depth of "C" should be at least 600mm

C) X-RAY GENERATOR:

- 1) High Frequency (40 KHz or More)
- 2) Output power should be 3.5KW.
- 3) Fluoro & Rad. Kv 40 to 110 KV
- 4) Radiographic mA: 20mA - 80mA (Optional)
- 5) Fluoroscopic mA:
 - § up to 4 mA (Normal Mode)
 - § up to 8 mA (Optional High definition Fluoro).

D) X-RAY TUBE:

- Monoblock tube head having dual focus Stationary Anode X-Ray tube of focal spot 0.6mm (small focus) & large focus (1.5mm) should be provided.
- Anode Heat storage capacity should be at least 40KHU.
- Fix Cylindrical Collimator should be provided.

E) CONTROL: Control should have the following:

A very compact, soft touch control panel (APR) with L.C.D display on which KV, ro mA, radiography mAs, fluoro time, I.I Zoom, error interlocks for KV, filament a hermal overload are displayed. Console panel has following functions and indications.

- Machine ON/OFF switch.
- I.I magnification (I.I field) selection switch.
- Fluoro and Radio mode selection.
- Fluoroscopy timer (Five minute cumulative timer with buzzer that activates after the completion of 300 seconds of exposure to reinitiate the exposure reset switch is provided).
- ABS (Automatic brightness stabilization) selection for hand free operation- also known as DR
- KV and mAs increase and decrease switches.
- X-Ray ON switches with indicator. □ Switches for up/down movement of "C" on both side panel.
- Radio and Fluoro Exposure ON Switches on Panel
- Emergency OFF switches on the control panel.

F) MEMORY SYSTEM should include the following: -

High Resolution image processing software

Main features

- GUI based software panel for easy operation
- Pre-set image parameters setting as per Extremities, Ortho, and Uro procedures.
- Unlimited patient folder creation with total image storage up to 500 images

Pre-processing:-

- LIH Operating Mode
- Averaging 1 to 16 frames
- Patient data Entry, Manual & Emergency modes
- Image grabbing in Fluoro mode.

Post processing:-

- Brightness /Contrast Adjustments/Enhancement with control of WW & WL
- Negative image feature
- zoom with pan
- Image Flip UP/DN & L/R
- Image rotation feature
- Quad view
- Image save & Retrieve from & to separate patient images folders

Storage & Connectivity:-

- PC connectivity through LAN port
- Image storage through USB

G) Power requirement:

- The unit should be operable on Single Phase 230 V \pm 10% AC, 50 Hz
- Inbuilt electronic voltage stabilizer should be provided.

H) OTHER REQUIREMENTS:

- The company should be ISO certified company.
- The unit should be approved by AERB.
- The company should have a Service center in State.
- The company should have proven track record in Govt. sector.

I) OTHER TERMS & CONDITIONS.

1. Easy availability of spares in India.
2. Trained engineers to maintain and support the system.
3. All specifications to be provided with original product data sheet.
4. Number of installations of the C-ARM machines in central/ state/ PSU Govt. Hospitals (Note: Seller should supply a performance certificate of the device to the buyer if demand after placement of order) - minimum 3 nos.
5. Availability of toll free facility for technical support maintained by OEM or authorized agencies maintained by OEM or authorized agencies
6. User/ Technical/Maintenance manuals to be supplied in English in hard and soft copy.
7. Demonstration of equipment and training to be provided after completing supplies before acceptance
8. Copies of report and certifications to be furnished to buyer On demand at time of supplies.
9. CMC post warranty: 5 years as details mentioned in the documents.
10. All installation materials/labour are responsibility of supplier. Installation will be done during working hours without damaging any Institute property. If any damages happened, its cost will be recovered from the supplier.

Technical Specification of DR System

A Digital Radiography System with 50KW or more High Frequency X-ray machine with dual flat panel detectors one for Table Bucky and one for vertical Bucky radiographic examinations with the following minimum Specifications & Configuration.

A. HIGH FREQUENCY GENERATOR:

1. Generator should be of latest technology with high frequency offering 30 kHz or more X- Ray generator.

2. Power output of the generator should be 50 KW or more.
3. Generator should offer 2/3 Point technique & user should have following parameters selection range.
4. KV range should be 40 to 125 KV or more
5. MA range: 40 to 630 or more.
6. MAs range should be 5 to 500 mAs or more.
7. Output power: 500 mA or more at 100 kV
8. Exposure time should be 1ms to 5 secs or better.

B. CONTROL PANEL

1. Soft Touch Control Panel having following functions & indications should be provided.
2. The panel can be supplied in Floor or Wall mount with Spill Proof design.
3. Following features should be available on the control panel.

C. Machine ON/OFF Switch.

1. Digital Display for display of X-ray parameters of KV & mAs. There should be option of selecting mA station.
2. MA, KV & mAs increase and decrease switches.
3. Tube focal spot selection Switch / automated.
4. Ready and X-Ray on switch with Indicators
5. Bucky Selection Switch.
6. Self-diagnostic Program with Indicators for Earth fault error, KV error, filament error & Tube's Thermal Overload.
7. Anatomical Programming radiography (i.e. APR) should be provided in which KV & MAS are automatically selected depending upon the physique of the patient and part of the body to be X-rayed.
8. Anatomical Programming 200 programs or more.
9. A dual action hand switch with retractable cord should be provided.

D. TUBE (Chinese make tube is not acceptable)

1. Rotating anode X-ray tube with Small Focus 0.6 mm or less & Large focus 1.2 mm or less

2. Anode Heat storage capacity of the tube should be 300 KHU or more.

3. One Pair of 6 meter H. V. cable.

4. One No. collimator with auto shut off facility should be provided.

E. HV TANK

A very compact H.V. Tank filled with high dielectric transformer oil / solid state oil free type should be provided. The H.V. Tank should contain H.V. transformer, Filament Transformers, H.V. Rectifiers & H.V. Cable receptacles.

F. Tube Stand

Ceiling free stand with counter balanced tube head, ± 180 degree Rotatable mounted on floor rails for convenient movement should be provided.

G. Table

1. Fixed Horizontal table with 4 way movement should be provided.

2. Transverse and longitudinal movements of the table-top should be locked by electromagnetic locks.

3. Table should consist of Motorized reciprocating bucky with grid of Ratio 8:1, 85 lines/inches.

4. The bucky should cover the entire length of the table & should be locked at any desired position by an electromagnetic Lock.

5. The table top should be made of low radiation absorption, water proof material.

6. Table accessories like stainless steel cassette tray, compression band should be provided.

7. Bucky tray should have facility to accommodate cassette type wired cum wireless Flat panel detector.

8. Offered table should have load bearing capacity of 150 kgs or more.

H. Vertical Bucky Stand

1. Vertical bucky stand with oscillating grid ratio of 8:1, 85 lines/inches to be provided.

2. The bucky should move up & down and should have arrangements to be equipped with wired cum wireless Flat panel detector.

3. The stand should be floor mounted type.

I. Flat Panel Detector (FPD with TFT technology) for Table

1. Wire cum Wireless inbuilt battery Flat Panel Detector system (FPD) of Size 14"x17" or more should be offered. If detector is offered removal battery, then bidder must supply 2 (two) sets of batteries along with detector.
2. Detector Battery must be covered under warranty and CMC
3. The Scintillator material of the detectors should be made up of Cesium Iodide and sensor with Thin Film Transistor (TFT) and Amorphous Silicon technology.
4. The detector offered should have on board memory capable of storing up to 100 images.
5. The detectors should have a minimum spatial resolution of 5 lp/mm or more.
6. Detector array Size: Should be a minimum of 3K x 4K pixels or higher.
7. Pixel Pitch: 100 microns or less.
8. A to D conversion: 16 bits.
9. Should have IP rating: IPX6 or more
10. DEQ: 70% or more at 0 lp/mm.
11. Should be drop tested upto 1meter.
12. Weight bearing: 400 kg or more at floating area.
13. Detector should be permanent antibacterial.
14. The detector offered should be light in weight with less than 3 kgs.
15. Images pre-viewing should be available within 3 secs after exposure and the cycle time should be less than 12 seconds.
16. Battery charging time should be less than 40 minutes from empty to full.
17. The detectors should have Automatic Exposure Detection as standard feature.
18. The detectors should be able to work at normal room temperature and humidity. The detector system should not require frequent calibrations on daily start-up.

J. Flat Panel Detector (FPD with TFT technology) for Vertical Bucky

1. Wire cum Wireless inbuilt battery Flat Panel Detector system (FPD) of Size 17"x17" or more should be offered. If detector is offered removal battery, then bidder must supply 2 (two) sets of batteries along with detector.
2. Detector Battery must be covered under warranty and CMC

3. The Scintillator material of the detectors should be made up of Cesium Iodide and sensor with Thin Film Transistor (TFT) and Amorphous Silicon technology.
4. The detector offered should have on board memory capable of storing up to 100 images.
5. The detectors should have a minimum spatial resolution of 5 lp/mm or more.
6. Detector array Size: Should be a minimum of 4K x 4K pixels or higher.
7. Pixel Pitch: 100 microns or less.
8. A to D conversion: 16 bits.
9. Should have IP rating: IPX6 or more
10. DEQ: 70% or more at 0 lp/mm.
11. Should be drop tested upto 1meter.
12. Weight bearing: 400 kg or more at floating area.
13. Detector should be permanent antibacterial.
14. The detector offered should be light in weight with less than 3.5 kgs.
15. Images pre-viewing should be available within 3 secs after exposure and the cycle time should be less than 12 seconds.
16. Battery charging time should be less than 40 minutes from empty to full.
17. The detectors should have Automatic Exposure Detection as standard feature.
18. The detectors should be able to work at normal room temperature and humidity. The detector system should not require frequent calibrations on daily start-up.

K. Image Processing Console cum workstation:

1. The DR Console should be offered with Medical Grade monitor 19" or more.
2. Windows and Level Adjustments
3. Annotations must be possible
4. Previews of images should be available in about 5 Sec or less
5. Zooming, ROI, Image Cropping and grid removal function should be available.
6. Soft tissue processing must be possible

7. System should be offered with dedicated orthopedics measurement tools

8. Should offer capability of local image storage

9. Should be capable of connecting minimum of 2 Flat panels simultaneously

10. Should be capable of connecting directly to the Dry Laser printer

L. DICOM connectivity

1. Workstations

2. PACS

3. External Storage Devices

4. DICOM Printer(s)

M. Accessories - To be offered as standard: - Following accessories should be supplied with the machine at the time of installation.

1. Light weight Lead Apron Full body and Skirt type 0.5mm Pb equivalent- 2 nos.

2. Gonad Shield for male - 2 nos.

3. Gonad Shield for female - 2 nos.

4. Thyroid Shield - 2 nos.

5. Lead glass (80x100 cm) window supplied -1 no

6. Lead apron hanger - 1 no.

N. POWER REQUIREMENT:

The unit should be operable on 3 Phase, 400 Volts AC 50Hz with line resist less than 0.4 Ohms. Line Regulation +10%.

O. OTHER REQUIREMENTS:

11. The X-Ray unit should be BIS/ European CE (4 digit notified body) /USFDA approved.

12. The X-Ray unit must have AERB type approval.

13. Flat Panel Detector, Console Software and Dry laser Printer from same company.

14. Easy availability of spares in India.

15. Trained engineers to maintain and support the system.
16. All specifications to be provided with original product data sheet.
17. Number of installations of the X ray machines in central/ state/ PSU Govt. Hospitals (Note: Seller should supply a performance certificate of the device to the buyer if demand after placement of order) - minimum 3 nos.
18. Availability of toll free facility for technical support maintained by OEM or authorized agencies maintained by OEM or authorized agencies
19. User/ Technical/Maintenance manuals to be supplied in English in hard and soft copy.
20. Demonstration of equipment and training to be provided after completing supplies before acceptance
21. Copies of report and certifications to be furnished to buyer On demand at time of supplies
22. QA, QC and other tests as per NABH shall be carried out by OEM or authorized of OEM
23. CMC post warranty: 5 years as details mentioned in the documents.
24. All installation materials/labour are responsibility of supplier. Installation will be done during working hours without damaging any Institute property. If any damages happened, its cost will be recovered from the supplier.

14	Specifications for Electro Surgical Unit/Diathermy/Cautery
1	System should come with Micro-processor-based technology with capacity of 300 watts and can be used for all Open & Laparoscopic surgeries including liver resection & liver transplantation with monopolar and bipolar modes available.
2	It should have capacity to monitor changes in tissue impedance by 4, 34,000 times per second to produce consistent clinical tissue effects and adjust the energy output accordingly.
3	It should come with Three-section touch screen display for ease of use and should display error alerts also.
4	It should be compatible with three button cautery pencil to use advanced monopolar mode like cut / coagulation with single button and independently also with cut & coagulation button and have a capacity to use lower power settings resulting in less char, less thermal spread and less arcing than a traditional monopolar coagulation mode.

5	It should have Auto Bipolar Mode to use Bipolar Energy without Bipolar Energy without Bipolar Foot Switch.
6	It should have 6 different modes like Low / Medium / High / Precise / Standard / Macro modes for Bipolar Energy Usage.
7	It should have Pure Cut / Blend Cut modes in Monopolar Cut energy.
8	It should have 6 different modes like soft / fulgurate / shared fulgurate / shared spray / spray modes in Monopolar coagulation energy.
9	It should come with internal memory of 8GB storage capacity to store events & errors .
10	It should be compatible with other devices, including: gon Plasma Coagulation System a. Ar b. Smoke Evacuator.
11	Unit should perform self-test during Power ON.
12	Unit should have digital Wattage Indications for Bipolar, Monopolar Cut and Coagulation.
13	Unit should have Two Monopolar outputs to use by two surgeons simultaneously.
14	Unit should have Audio Visual Patient Plate Error Monitoring System.
15	Unit should have Split type Patient Plate contact quality monitoring System for Maximum Patient Safety (Unit should not be delivering power until and unless maximum area of the patient plate is attached to patient body to minimize the risk of post-operative cautery burns)
16	Monopolar Coagulation Should consist Spray for Non-Contact Coagulation.
17	Monopolar Coagulation Should consist of Fulgurate mode for Monopolar Underwater Coagulation & Cutting to use for TURP procedures.
18	Unit should be compactable with three button monopolar pencil which can be used to adjust the power output of the machine from the sterile field itself.
19	Unit should have facility to use monopolar and bipolar function without Switchover.

20	Unit should have simultaneous coagulation facility in monopolar coagulation.
21	Unit should have a facility to use auto bipolar mode by setting delay time of up to 2.5 seconds.
22	Unit should have facility to enable Auto Bipolar & Ammeter as per the requirement.
23	The system should have current ammeter, to display the conductivity of the bipolar energy.
24	Should be able to use shared coagulation in monopolar mode and should have an option to enable and disable the shared coagulation facility also.
25	Should have an option to enable and disable auto bipolar as per the requirement from the surgeon.
26	There should be soft coagulation mode to do precise surgeries like Liver Resection & Liver Transplants.
27	It should have facility to use shared coagulation mode with two pencils of two buttons or one pencil of two buttons & one pencil of three buttons.
28	System should be software Upgradable for future features usage.
29	Unit should have US FDA and European CE Approved.
30	<p>Output Waveforms: Bipolar Mode</p> <p>Precise- More than 400 kHz continuous sinusoid</p> <p>Standard- More than 400 kHz continuous sinusoid</p> <p>Macro- More than 400 kHz continuous sinusoid</p> <p>Low- More than 400 kHz continuous sinusoid</p> <p>Medium- More than 400 kHz continuous sinusoid</p> <p>High- More than 400 kHz continuous sinusoid</p>

31	<p>Monopolar cut</p> <p>400 kHz continuous sinusoid</p> <p>sinusoid bursts of sinusoid, 50% Duty Cycle.</p> <p>Pure Cut- More than Blend- more than 400 kHz recurring at 27.7KHz +/- 10% Intervals.</p>
32	<p>MonopolarCoag</p> <p>400 KHz continuous sinusoid</p> <p>400 kHz damped sinusoidal bursts with a repetition frequency of 27.7kHz +/-10% with 6.25% Duty cycle. Shared Fulgurare- More than 400 kHz damped sinusoidal bursts with a repetition frequency of 27.7kHz +/-10% with 6.25% Duty cycle</p> <p>Fulgurate- More than 400 kHz damped sinusoidal bursts with a repetition frequency of 21.1 kHz +/- 10% with 4.76% Duty cycle Shared Spray- More than 400 khz damped sinusoidal bursts with a repetition frequency of 21.1khz +/-10% with 4.76% Duty cycle</p> <p>Soft- More than</p>
33	<p>System should have standards of IEC 60601-1:2012 for leakage Currents & Patient Auxiliary Currents.</p>
34	<p>System should be Defibrillator proof with standards of (IEC 60601-1 IEC 60601-2-2,and ANSI/AAMI HF18)</p>
35	<p>System should have safety standards for Liquid silage/Ingress so that in normal usage it should not we electrical insulation or other components, which when wetted are likely to adversely affect the safety of the equipment.</p>
36	<p>System should have standards of Voltage Transients-Energy Platform mains transfer (IES 60601-1. IEC 60601-2-2 and ANSI/AAMI HF18) so that system continues to operate normally with no errors or system failures when transfer is made between line AC and an emergency system voltage source. The system may momentarily shut down in safe mode.</p>

Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority, 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 to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. Any clause(s) incorporated by the Buyer regarding following shall be treated as null and void and would not be considered part of bid:-

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 being 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.
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.

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

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

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 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 with 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.

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 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 द्वारा 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।

---Thank You/धन्यवाद---
