

TENDER ID	AHM202110005
DATE	29.10.2021

State Bank of India
Local Head Office

Mktg & Comm Department, 5th Floor, Bhadra, Laldarwaja, Ahmedabad-1

Part – I
(Technical Bid)

SBI, Mktg & Comm Department, 5th Floor, LHO, Ahmedabad invites online e-Tenders followed by e-Reverse Auction for Design, Supply, Installation, Testing and Commissioning (SITC) of 2 Nos. PSA Medical grade Oxygen Generation Plant of 500/600 LPM capacity at Samras Hospital, Kutch (Gujarat)

Name of The Tenderer:.....

Address:.....

.....

.....

Email ID:

Date:

GSTIN:.....

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NOTICE INVITING TENDER

SBI, Mktg & Comm Department, 5th Floor, LHO, Ahmedabad invites online e-Tenders followed by e-Reverse Auction for Design, Supply, Installation, Testing and Commissioning (SITC) of PSA Medical grade Oxygen Generation Plant of 500/600 LPM capacity, 2 nos at Samras Hospital, Kutch (Gujarat).

The other details of the tender are as under:

1.	Name of Work	SBI, Mktg & Comm Department, 5 th Floor, LHO, Ahmedabad invites online e-Tenders followed by e-Reverse Auction for Design, Supply, Installation, Testing and Commissioning (SITC) of PSA Medical grade Oxygen Generation Plant of 500/600 LPM capacity, 2 nos at Samras Hospital, Kutch (Gujarat).
2	Cost of Tender Documents cum processing Fee (Non-refundable)	Not Applicable
3	Earnest Money Deposit (EMD)	Not Applicable
4	Security Deposit (SD)	Bank will keep security deposit cum performance Bank Guarantee of 3% of the total contract value from contractors bill for defect liability period of three years. SD will be interest free.
5	Award of work	Work will be awarded to the lowest bidder after e-reverse auction
6.	Date for Downloading of Tender Document (Technical and Price Bid)	29.10.2021 to 09.11.2021 till 3:00 pm from Bank's Website: www.sbi.co.in Link <SBI in the News><Procurement News>
7	Last date and time for receipt of written queries for clarification from bidders in Pre-bid meeting.	At 12.00 Noon on 03.11.2021
8	Pre-Bid Meeting	At 3:00 pm on 03.11.2021 at SBI, Mktg & Comm Department, LHO Building, 5 th Floor, Ahmedabad.
9	Posting of clarifications on the Bidder's queries.	Clarifications, if any, shall be posted only on the Bank's website. No individual communication shall be provided to the Bidder.
10	Last date & time for submission of Technical bid along with all	Up to 3:30 PM on 09.11.2021

	necessary documents for pre-qualification as specified in the tender in sealed Cover-A superscribing “Tender for SITC of PSA Medical Grade Oxygen Generation Plant at Samras Hospital, Kutch (Gujarat)”.	Note: 1. It is sole responsibility of the bidder to ensure submission of their bid by stipulated date and time at specified address. The SBI shall not entertain bids received late due to any delay on account of delivery by the courier agency/speed post or any other mode for the reasons whatsoever. 2. Tenders received without all eligibility criteria documents shall be summarily rejected.
11	Address for submission and opening of Technical Bid.	State Bank of India, Mktg & Comm Department, 5 th Floor, LHO, Bhadra, Laldarwaja, Ahmedabad-1
12	Date and Time of Opening of Technical Bid	4.00 pm on 09.11.2021 at State Bank of India, Mktg & Comm Department, 5 th Floor, LHO, Bhadra, Laldarwaja, Ahmedabad-1
13	Date and Time of opening of online indicative Price Bid	Only those vendors who will qualify and found eligible in Technical bid evaluation will be informed to submit online indicative price bid.
14	Date and Time of reverse auction	Date and Time will be informed to only those vendors who will participate in the online indicative price bid.
15	Validity of offer for acceptance by the Bank	3 (Three) months from the date of opening of price bid
16	Validity of rates after acceptance by the Bank	6 (Six) months from the date of approval of rates by the SBI.
17	Date of Commencement of Work	7 st Day of Succeeding month of the Work Order
18	Penalty/Liquidated damages	0.5% per week maximum up to 5% of the contract value.
19	Period of Honoring Payment Certificate	21 days from the date of receipt of bill (excluding Sunday and Public Holidays).
20	Insurance	As per insurance clause of the tender document
21	Time allowed for completion of work	30 days from the date of issue of work order
22	Defect Liability period/Warranty	3 year from the date of installation.

23. In case the date of opening of tenders is declared as a holiday, the tenders will be opened on the next working day at the same time.

24. Tenders received without supporting documents for pre-qualification shall be summarily rejected and such bidders **shall not be allowed** to participate in the price bidding process.

25. Bank reserves their rights to accept any or to reject all the tenders in part or whole without assigning reasons thereof and no correspondence shall be entertained in this regard.

26. Tenders can be downloaded from www.SBI.co.in (link)<SBI in the News> <Procurement News>. It shall be responsibility of the Vendor to arrange and ensure that all pages of technical bid are properly bound. Tenders in loose pages shall be disqualified.

27. The Vendor shall sign and stamp each page of the tender document thereby ensuring the number and sequence of all pages. Tender documents without seal and signature of the authorized tenderer are liable to be rejected.

28. The information required should be neatly filled/typed in **each and every columns and row** of the Formats. The tender received with “partly filled formats” not containing desired information in each and every columns/points/row of various annexures shall be treated as INCOMPLETE and such applications shall be summarily rejected without any reference to the bidder and at the bidder’s risk and responsibility.

29. The tenderers are categorically advised to refrain from mentioning the remark “AS PER ATTACHEMENT/ENCLOSURES” in their applications and annexures to avoid rejection of their applications.

30. Conditional tenders shall be summarily rejected.

Chief Manager (Mktg & Comm)

EVALUATION OF PRICE BID:

1. The Bidders qualified in the Technical Bid evaluation shall only be allowed to participate in the online price bidding.
2. QCBS (Quality and Cost Based Selection) method of evaluation would be adopted for rating the bidders in technical bid evaluation.
3. The SBI reserve its rights to accept any or to reject all the bids without assigning any reasons therefore and no correspondence shall be entertained in this regard.

We have read and understood the abovementioned prequalification criteria and shall abide by the same.

Signature of the Vendor
With Seal

Name:

Place:

Date:

SAMPLE BUISNESS RULE DOCUMENT

SBI, Mktg & Comm Department, 5th Floor, LHO, Ahmedabad invites online e-Tenders followed by e-Reverse Auction for Design, Supply, Installation, Testing and Commissioning (SITC) of PSA Medical grade Oxygen Generation Plant of 500/600 LPM capacity, 2 nos at Samras Hospital, Kutch (Gujarat).

(A) Business rules for E-tendering:

1. SBI will engage the services of an E-tendering service provider who will provide necessary training and assistance before commencement of online bidding on Internet.
2. In case of e-tendering, SBI will inform the vendor in writing, the details of service provider to enable them to contact and get trained.
3. Business rules like event date, closing and opening time etc. also will be communicated through service provider for compliance.
4. Vendors have to send by email, the compliance form in the prescribed format (provided by service provider), before start of E-tendering. Without this the vendor will not be eligible to participate in the event.
5. The Vendors will be required to submit the various documents in sealed Envelope to the office of SBI, Mktg & Comm Deptt., 5th Floor, LHO, Bhadra, Laldarwaja, Ahmedabad before last date and time i.e. (1) Hard Copy of Technical Bid duly signed and stamped on each page **(2) valid certificates and other necessary documents for eligibility criteria.** Vendors not submitting any one or more documents shall not be eligible to participate in the on-line price bidding.
6. E-tendering will be conducted on schedule date &time.
7. **The e-tendering will be treated as closed only when the bidding process gets closed in all respects for the item listed in the tender.**

(B) Terms & conditions of E-tendering:

SBI shall finalize the Tender through e-tendering mode for which **M/s. e-Procurement Technology, Ahmedabad** has been engaged by SBI an authorized service provider. Please go through the guidelines given below and submit your acceptance to the same along with your Commercial Bid.

1. E-tendering shall be conducted by SBI through **M/s. e-Procurement Technology, Ahmedabad.**, on pre-specified date. While the Vendors shall be quoting from their own offices/ place of their choice, Internet connectivity and other paraphernalia requirements shall have to be ensured by Vendors themselves. In the event of failure of their Internet connectivity,(due to any reason whatsoever it may be) it is the bidders' responsibility.
2. In order to ward-off such contingent situation bidders are requested to make all thenecessaryarrangements/alternativessuchasback-uppowersupplywhateverrequiredso that they are able to circumvent such situation and still be able to participate in the E-tendering successfully. Failure of power at the premises of Vendors during the E-tendering can not be the cause for not participating

in the E-tendering. On account of this the time for the E-tendering can not be extended and SBI is not responsible for such eventualities.

3. M/s. **e-Procurement Technology, Ahmedabad.**, shall arrange to train your nominated person(s), without any cost to you. They shall also explain you all the Rules related to the E- tendering. You are required to give your compliance on it before start of bid process.
4. BIDDING CURRENCY AND UNIT OF MEASUREMENT: Bidding will be conducted in Indian currency & Unit of Measurement will be displayed in Online E-tendering.
5. BID PRICE: The Bidder has to quote the rate as per the Tender Document provided by SBI.
6. VALIDITY OF PRICE BID: The Bid price shall be for a period specified in the tender document and shall not be subjected to any change whatsoever.
7. Procedure of E-tendering:
 - i. **Online E-tendering:**
 - (a) The hard copy of the Technical as well as Price Bid is available on the Bank's website during the period specified in the NIT.
 - (b) Online e-tendering is open to the pre-qualified bidders who receive NIT from the Bank and qualified for participating in the price bidding as provisions mentioned hereinabove through SBI approved Service Provider.
 - (c) The Price-Bid shall be made available online by the Service Provider wherein the vendors will be required to fill-in their Item-wise rates for each item.
 - (d) The Vendors are advised not to wait till the last minute to submit their online item-wise quote in the price bid to avoid complications related with internet connectivity, network problems, system crash down, power failure, etc.
 - (e) It is mandatory to all the bidders participating in the price bid to quote their rates for each and every item.
 - (f) In case, vendor fails to quote their rates for any one or more tender items, their tender shall be treated as "***Incomplete Tender***" and shall be liable for rejection.
8. LOG IN NAME & PASSWORD: Each Bidder is assigned a Unique User Name & Password by M/s. **e-Procurement Technology, Ahmedabad.** The Bidders are requested to change the Password after the receipt of initial Password from M/s. **e-Procurement Technology, Ahmedabad.** All bids made from the Login ID given to the bidder will be deemed to have been made by the bidder.
9. BIDS PLACED BY BIDDER: Bids will be taken as an offer to execute the work as specified. Bids once made, cannot be cancelled / withdrawn and the Bidder shall be

bound to execute the work at the quoted bid price. In case the L-1 Bidder backs out or fail to complete the work as per the rates quoted, SBI shall at liberty to take action as deemed necessary including de-paneling such vendors and forfeiting their EMD.

10. At the end of the E-tendering, SBI will decide upon the winner. SBI decision on award of Contract shall be final and binding on all the Bidders.
11. SBI shall be at liberty to cancel the E-tendering process/tender at any time, before ordering, without assigning any reason.
12. SBI shall not have any liability to bidders for any interruption or delay in access to the site irrespective of the cause.
13. Other terms and conditions shall be as per your techno-commercial offers and other correspondences till date.

14. OTHER TERMS & CONDITIONS:

- The Bidder shall not involve himself or any of his representatives in Price manipulation of any kind directly or indirectly by communicating with other suppliers / bidders.
- The Bidder shall not divulge either his Bids or any other exclusive details of SBI to any other party.
- SBI decision on award of Contract shall be final and binding on all the Bidders.
- SBI reserve their rights to extend, reschedule or cancel any E-tendering within its sole discretion.
- SBI or its authorized service provider M/s. **e-Procurement Technology, Ahmedabad** shall not have any liability to Bidders for any interruption or delay in access to the site irrespective of the cause.
- SBI or its authorized service provider M/s. **e-Procurement Technology, Ahmedabad** is not responsible for any damages, including damages that result from, but are not limited to negligence.
- SBI or its authorized service M/s. **e-Procurement Technology, Ahmedabad** will not be held responsible for consequent damages, including but not limited to systems problems, inability to use the system, loss of electronic information etc.

N.B.

- All the Bidders are required to submit the Process Compliance Statement (Annexure-II) duly signed to M/s. e-Procurement Technology, Ahmedabad.
- All the bidders are requested to ensure that they have a valid digital signature certificate well in advance to participate in the online event.

PROCESS COMPLIANCE STATEMENT (ANNEXURE II)

(The bidders are required to print this on their company's letter head and sign, stamp before emailing)

To,
M/s. e-Procurement Technology,
B-705, Wall Street - II, Opp. Orient Club, Ellisbridge,
Ahmedabad – 380006,
State Gujarat, India

E: khushboo.mehta@eptl.in

D: +91 79 40016815/6824

SBI, MKTG & COMM DEPARTMENT, 5TH FLOOR, LHO, AHMEDABAD INVITES ONLINE E-TENDERS FOLLOWED BY E-REVERSE AUCTION FOR DESIGN, SUPPLY, INSTALLATION, TESTING AND COMMISSIONING (SITC) OF PSA MEDICAL GRADE OXYGEN GENERATION PLANT OF 500/600 LPM CAPACITY, 2 NOS AT SAMRAS HOSPITAL, KUTCH (GUJARAT).

Dear Sir,

This has reference to the Terms & Conditions for the E-tendering mentioned in the Tender document

This letter is to confirm that:

- 1) The undersigned is authorized representative of the company.
- 2) We have studied the Commercial Terms and the Business rules governing the E-tendering as mentioned in RFP of SBI as well as this document and confirm our agreement to them.
- 3) We also confirm that we have taken the training on the E-tendering tool and have understood the functionality of the same thoroughly.
- 4) We confirm that SBI and **M/s. e-Procurement Technology, Ahmedabad** shall not be liable & responsible in any manner whatsoever for my/our failure to access & bid on the e-E-tendering platform due to loss of internet connectivity, electricity failure, virus attack, problems with the PC, any other unforeseen circumstances etc. before or during the E- tendering event.
- 5) We confirm that we have a valid digital signature certificate issued by a valid Certifying Authority

6) We, hereby confirm that we will honor the Bids placed by us during the E- tendering process.

With regards,

Date:

Signature with company seal Name:

Company / Organization:

Designation within Company / Organization:

Address of Company / Organization:

Scan it and send to this Document on -----

LETTER OF DECLARATION

(To be submitted duly typed, signed with stamped by the Authorised Signatory on the Letter Head of the Bidder in Original along with Technical Bid document.)

The Chief Manager,
Mktg. & Comm
SBI, LHO, 5th Floor,
Bhadra, Laldarwaja,
Ahmedabad

SBI, MKTG & COMM DEPARTMENT, 5TH FLOOR, LHO, AHMEDABAD INVITES ONLINE E-TENDERS FOLLOWED BY E-REVERSE AUCTION FOR DESIGN, SUPPLY, INSTALLATION, TESTING AND COMMISSIONING (SITC) OF PSA MEDICAL GRADE OXYGEN GENERATION PLANT OF 500/600 LPM CAPACITY, 2 NOS AT SAMRAS HOSPITAL, KUTCH (GUJARAT).

Dear Sir,

Having examined the terms & conditions, schedule of requirements, scope of work etc. of the tender for the captioned work and examined the site of the works specified in the said memorandum and having acquired the requisite information relating thereto and affecting the tender. I/We hereby offer to provide specified services in the said memorandum mentioned in the attached schedule and in accordance in all respect with the schedule of instructions, scope of work and instruction in writing referred to in conditions of Tender, the articles of agreement, conditions of contract and with such conditions so far as they may be applicable.

a	Description of work	SBI, Mktg & Comm Department, 5 th Floor, LHO, Ahmedabad invites online e-Tenders followed by e-Reverse Auction for Design, Supply, Installation, Testing and Commissioning (SITC) of PSA Medical grade Oxygen Generation Plant of 500/600 LPM capacity, 2 nos at Samras Hospital, Kutch (Gujarat).
b	Earnest Money	Not Applicable
c	Validity of offer	90 days

3. Should this tender be accepted, I/we hereby agree to abide by and fulfill the terms and provisions of the said conditions of Contract annexed hereto so far as they may be applicable or in default thereof to forfeit and pay to SBI the amount mentioned in the said conditions.

4. We understand that as per terms of this tender, the SBI may consider accepting our tender in part or whole or may entrust the work of SITC of 2 Nos. PSA Medical Grade Oxygen Generation Plant of 500/600 LPM capacity for proposed Samras Hospital, Kutch (Gujarat). We, therefore, undertake that we shall not raise any claim / compensation in the eventuality of

Bank deciding to drop any of the scope of work of this tender at any stage during the contract period. Further, we also undertake to execute the work entrusted to us on our approved rates and within the stipulated time limit without any extra claim for price escalation.

5. We confirm that we are not debarred by the SBI for any of its projects.

6. Further, we confirm that we are eligible to quote this tender. In case any information is found incorrect at any subsequent point of time, our tender may be annulled / rejected by SBI, including taking any action against us as deemed fit.

We have read and understood all the terms & conditions, schedule of requirement and scope of work of the tender and accept the same.

Signature of the Tenderer
With Seal

BASIC INFORMATION OF THE VENDOR

(Please strike-off which is not applicable)

1	a) Name of the applicant/Firm/ Organization	
	b) Full Postal Address of Firm	
	c) Contact Details (i) Phone No. (ii) Mobile No. (iii) Fax No. (iv) e-mail Id (v) Web-site	
	d) Application fee details Online application fees receipt no. (Please enclose online application fees payment receipt) Date	Not Applicable
2	Year of establishment (Please enclose documentary evidence)	
3	Constitution of Firm (Enclose certified copies of documents as evidence)	Sole proprietorship/ Partnership /Private Ltd. / Public Ltd. / Any other (Please specify)
4	Name of the Proprietor/Partners/Directors of the organization/firm	
5	a) Name/s of authorized signatory with designation	

	b) Bio-data of Partners/Directors (Enclose separate sheet as)	
6	Mode of Authorization Enclose certified copies of document as evidence.	Resolution / Partnership Deed / Registered Power of Attorney / Proprietor / Any Other (Please specify)
7	Whether registered with any State/Central Government Medical Organization (Enclose certified copies of document as evidence). Name of Organization Category No. & Date of Registration Name of Organization Category No. & Date of Registration	YES / NO
8	No. of years of experience in the field and details of work in any other field (Please enclose documentary proof)	
9	Yearly turnover of the organization during last 3 years (year wise) and furnish audited balance sheet and Profit & Loss A/c. (Audited) for the last 3 financial years certified by the auditor. (Please enclose CA Certificate)	2017-18 2018-19 2019-20 Average :
10	<i>Banker's Details</i> (i) <i>Banker's Name</i> (ii) <i>Full Postal Address</i> (iii) <i>Telephone No.</i> (iv) <i>Account No.</i> (v) <i>Type of Account</i>	
11	PAN No.	
12	GST No.	
13	Whether last three years IT returns filed (Pl. enclose certified copies of the I T return of 2017-18, 2018-19, 2019-20)	

14	Details of major works executed & completed during last 3 years.	(Please enclose separate sheet)
15	Details of major works on hand.	Please enclose copies of LOI /work order / agreement
16	Whether any Civil Suit/litigation arisen in works executed during the last 5 years. If yes, please furnish the name of the project, employer, and nature of work, contract value, work order and brief details of litigation. Give name of the Court, place and status of pending litigation.	Attach a separate sheet if required.

(Signature of the authorized person)

Name:

(Mobile No.):

E-mail

1. ELIGIBILITY CRITERIA

- i) Only Class- I and Class- II Local supplier shall be eligible for participation. Bids from Class- I and Class- II Local supplier as defined in DPIIT order no. P- 45021/2/2017-PP (BE-II) dt. 16.09.2020 i.r.o Public Procurement (Preference to Make in India) shall be accepted. Bids from firms/ vendors other than Class-I and Class- II Local Supplier shall be summarily rejected. Vendors are requested to submit the declaration of Local Content as per Annexure I of the tender document.
- ii) Foreign OEMs participation is also enabled through its Indian Entities. The bidder should be an Indian or Overseas Manufacturer of PSA Medical Oxygen Generator/ Oxygen Concentrator Module.
 - a) The bidder should be an Indian Original Equipment Manufacturer (OEM) or its Authorized Dealer/Distributor and in case of overseas manufacturer, bidder should be subsidiary of the OEM in India or its Indian Authorized Dealer.
 - b) In case the bidder is Indian Manufacturer or subsidiary of the Overseas OEM in India – Self Declaration of Manufacturer of PSA Medical Oxygen Generator/ Oxygen Concentrator Module should be given.
 - c) In Case the bidder is not the manufacturer- Manufacturer Authorization form as per Annexure II should be given (signed by both, Manufacturer and Bidder).
 - d) In case, bidder is Subsidiary of the overseas OEM in India or Indian Authorized Dealer for Indian or overseas Manufacturer, then the past supply criteria of the self/ principal (OEM) could be considered.
 - e) Bidder must have service unit(s) in Gujarat State (before the start of downloading of tender documents) to perform warranty and CAMC obligations (and to attend any breakdown calls within 48 hours) as per SLA.
- iii) Average Annual turnover for Tenderers in the last two years i.e. 2017-18, 2018-19 and 2019-20 shall not be less than Rs.31,00,000.00
- iv) Tender should not be submitted by the firm/company for the Product(s) for which the firm/ Company has been blacklisted/ banned/ debarred by State Governments/ Central Government or any of the procurement agencies/Autonomous Bodies under the organizations stated above or if the Firm/Company is debarred as a whole by these organizations or any of its procurement agencies/Autonomous Bodies.
- v) Tenderer should have executed SITC of single work order of Rs.83,00,000/- or Two work orders of Rs.52,00,000/- each or Three work orders of Rs.42,00,000/- each of PSA

plants/Medical Grade Oxygen Generator Module in India of same quoted Make during last five years as on 30.09.2021. Tenderer should have supplied, installed, and commissioned minimum three PSA plants/Medical Grade Oxygen Generator Module in India of same quoted Make (at least 50% of the quoted capacity) since last three years as on 30th September, 2020. The vendor/bidder has to produce the purchase order copies with satisfactory commissioning certificate issued by the user department/hospital (both duly notarized). PO copies of the quantities manufactured and installed in any government institutions, semi-government institutions, autonomous institutions, private hospitals of minimum 50 beds (this has to be qualified) are acceptable.

- vi) Bidder must have minimum five years of experience as on 30.09.2021 in SITC of PSA plants/Medical Grade Oxygen Generator Module in India.
- vii) Following valid Quality Certificates to be submitted in the bid:
 - i) Copy of ISO certification or GMP Certificate of its original equipment manufacturer.
 - ii) ISO 13485: 2016 certification – for design of medical systems
 - iii) ISO 10083/ EN ISO 7396-1/ EN 737-3 European Standards and should be in accordance with medical device directives 93/42/EEC or Medical use international standard regarding the supply of oxygen via oxygen generators for a use in medical gases distribution networks.
 - iv) The Medical grade oxygen concentrator/generator shall be either US FDA approved or CE or should have CE (Conformity European)/European Certificate (EC) and a certificate that the oxygen generated complies with Medical grade standard of the OEM.
 - v) The bidder must have sufficient technical staff to attend breakdown services and for satisfactory CAMC.
 - vi) Must have service unit(s) in Gujarat State (before start date of downloading of tender documents) to perform warranty and CAMC obligations (and to attend any breakdown calls within 48 hours) as per SLA. Legal documentary proof should be attached.

2. GENERAL CONDITIONS:

- i. A complete set of tender document may be downloaded by any interested eligible bidder from website: www.sbi.co.in Link <SBI in the News><Procurement News> as per the schedule given in NIT. No cost for the Tender document shall be charged for the Tender documents downloaded by the Tenderers.
- ii. Tenders (price bid) will be opened online therefore, the presence of tenderers/authorized representatives of the Tenderers is not necessary.
- iii. All notices or communications relating to and arising out of this tender and any consequent agreement or any of the terms thereof shall be considered duly served on or given to the Tenderer if delivered to it or left at the premises, places of business or abode or sent at official email as provided by the tenderer
- iv. Bidders are advised to watch for amendments, if any, which may be issued prior date of submission of bids by tender inviting authority on the website: www.sbi.co.in Link <SBI in the News><Procurement News> for which SBI will not issue any separate communication to individual bidders.

FORGERY/FRAUD BY BIDDERS/ SUPPLIER:

- (a) Genuineness of the papers/ documents/ certificates/ declaration submitted with bid is the responsibility of the bidder. If at any stage it is found that the papers/ documents/certificates/declaration submitted by the bidder are not in order, are forged, manipulated, fabricated or altered, the bid or purchase order issued to the bidder is liable to be cancelled and further necessary action including forfeiture of its EMD/Security Deposit, debarring/blacklisting against the bidder will be taken. Purchaser may also initiate police/legal action and request concerned statutory authority for cancellation of license issued to supplier for tendered items.
- (b) If any fraud, short supply of goods is detected on part of the bidder at any stage, the bid or work order/ Purchase order issued to the bidder is liable to be cancelled and further necessary action against the bidder including debarring/blacklisting will be taken.
- (c) In any of above two cases, the SBI is at liberty to make alternative purchase of the tendered items from other approved suppliers or in the open market or from any other Tenderer who might have quoted higher rates, at the risk and the cost of the supplier.

PATENT RIGHTS:

The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the goods or any part thereof. In event of any such claim in respect of alleged breach of patent, registered designs, trademarks etc. being made against Bank, the Bank shall notify the supplier of the same and the supplier shall at its own expenses take care of the same for settlement without any liability to the Bank.

TERMINATION FOR DEFAULT:

1. The purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default, sent to the supplier, terminate this contract in whole or in part.
 - (a) If the supplier fails to deliver any or all of the goods within the time period(s) specified in the contract, or any extension thereof granted by the purchaser.
 - (b) If the supplier fails to perform any other obligation(s) under the contract, and
 - (c) If the supplier, in either of the above circumstances, does not remedy his failure within a period of 15 days (or such longer period as the purchaser may authorize in writing) after receipt of the default notice from the purchaser.
2. In the event the purchaser terminates the contract in whole or in part, pursuant to above the purchaser may procure; upon such terms and in such manner, as it deems appropriate, tendered goods undelivered and the supplier shall be liable to the purchaser for any excess cost for such similar goods. However, the supplier shall continue performance of the contract to the extent not terminated.

TERMINATION FOR INSOLVENCY:

The purchaser may, at any time, terminate the contract by giving written notice to the supplier, without compensation to the supplier, if the supplier becomes bankrupt or otherwise insolvent, as declared by the competent court provided that such, termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.

SET OFF:

Any sum of money due and payable to the supplier (including security deposit refundable to him) under this contract may be appropriated by the purchaser and

set off the same against any claim of the purchaser for payment of a sum of money arising out of this contract or under any other contract made by the supplier with the Purchaser.

Purchaser reserves the right to debar/ blacklist a bidder for a suitable period in case he fails to honour his bid/contract without sufficient grounds.

BID SUBMISSION:

- (a) Bidders are hereby cautioned that any attempt of cartel formation will be viewed seriously and may at the discretion of purchaser, lead to cancellation of tender. Purchaser in its discretion may decide to forfeit EMD/ISD of such bidders and black list or debar these bidders for suitable period besides taking other punitive measures. Decision of purchaser in this regard shall be final and binding.
- (b)
 - (i) Different firms or companies having any common partner(s) or Director(s) are not permitted to quote for more than one tender offer. In case more than one offer is received from such bidders, then all such offers except with the lowest quote shall be rejected summarily.
 - (ii) In case more than one offer for any tendered item is received from the same bidder, then all such offers except with the lowest quote shall be rejected summarily.

NEAR RELATIVE CERTIFICATE:

The bidder should give a certificate that none of his/her near relative as defined below is working in SBI where he is going to apply for the tender. In case of Proprietorship firm certificate will be given by the proprietor. For partnership firm certificate will be given by all the partners and in case of limited company by all the Directors of the company excluding Govt. of India/Financial Institutions nominees and independent non-official part time directors appointed by Govt. of India or the Governor of the state. Authorised signatory of bid may also sign this bid on behalf of the entire directors/ partners/ proprietor. Due to any breach of conditions by the company or firm or any other person the tender will be cancelled and bid security will be forfeited at any stage whenever it is noticed and SBI will not pay any damage to the company or firm or the concerned person. The company or firm or the person will also be debarred for further participation for quoted item in the concerned unit.

The near relatives for this purpose are defined as:

- (a) They are husband and wife.
- (b) The one is related to the other in the manner as father, mother, son(s) & son's wife (Daughter in law), daughter(s) and daughter's husband (son in law), brothers(s) and brother's wife, sister(s) and sister's husband (brother in law).

An undertaking as specified in Annexure III to be submitted.

3 TECHNICAL BID – “(COVER-A)”

Those intending to participate in the tender (herein called Tenderer) should first ensure that they fulfil all the eligibility criteria:

3.1 The Tenderer should submit the hard copies of following documents in Technical Bid “COVER-A”. (All the documents submitted should bear signature and stamp of the Tenderer).”

- a) Duly notarized general power of Attorney (on non-judicial stamp paper of worth Rs. 50/-) in favour of authorized signatory in case of partnership firm (to be signed by all partners) or board resolution in case of a company to sign the bid and bind the bidder. The signature of authorized signatory should be duly attested. In case of proprietorship on its letterhead of firm declares himself as proprietor with specimen signature.
- b) The bidder should be the original Indian Equipment Manufacturer (OEM) or its Authorised Dealer/Distributor and in case of overseas Manufacturer, bidder should be subsidiary of the OEM in India or Indian Authorized Dealer.
 - The bidder should be an Indian Original Equipment Manufacturer (OEM) or its Authorized Dealer/Distributor and in case of overseas manufacturer, bidder should be subsidiary of the OEM in India or its Indian Authorized Dealer.
 - In case the bidder is Indian Manufacturer or subsidiary of the Overseas OEM in India – Self Declaration of Manufacturer of PSA Medical Oxygen Generator/ Oxygen Concentrator Module should be given.
 - The bidder should submit an undertaking that the model of the equipment supplied by them is of the latest model.
- c) Must have service unit(s) in Gujarat State (before start date of downloading of tender documents) to perform warranty and CAMC obligations (and to attend any breakdown calls within 48 hours) as per SLA. Legal documentary proof should be attached.
- d) Tenderer should have supplied, installed, and commissioned minimum three PSA plants/Medical Grade Oxygen Generator Module in India of same quoted Make (at least 50% of the quoted capacity) since last three years as on 30th September, 2020, The vendor/bidder has to produce the purchase order copies with satisfactory commissioning certificate issued by the user department/hospital (both duly notarized).
- e) PO copies of the quantities manufactured and installed in any government institutions, semi-government institutions, autonomous institutions, private hospitals of minimum 50 beds (this has to be qualified) are acceptable.

- f) Annual turnover statement for 3 years i.e., 2017-2018, 2018-19 and 2019-20 duly certified by the Chartered Accountant.
- g) Copies of the audited Annual reports including the Balance Sheet and Profit and Loss Account along with all the for the last three years i.e. 2017- 18, 2018-19 and 2019-20.
- h) Certificate of Incorporation in case of Companies or Copy of partnership deed in case of partnership, In case of import of goods, bidder should also submit a copy of valid Import License.

Following valid Quality Certificates to be submitted in the bid:

- Copy of ISO certification or GMP Certificate of its original equipment manufacturer.
 - ISO 13485: 2016 certification – for design of medical systems
 - ISO 10083/ EN ISO 7396-1/ EN 737-3 European Standards and should be in accordance with medical device directives 93/42/EEC or Medical use international standard regarding the supply of oxygen via oxygen generators for a use in medical gases distribution networks.
 - The Medical grade oxygen concentrator/generator shall be either US FDA approved or CE or should have CE (Conformity European)/European Certificate (EC) and a certificate that the oxygen generated complies with Medical grade standard of the OEM.
- i) Last three as on March, 2020 FY ITR acknowledgements with a copy of PAN and GST Registration Certificate indicating GST Number.
 - j) Each page of submitted bid (along with tender document) be properly page numbered and shall be signed by the authorized signatory of the Tenderer with office seal.
 - k) All the documents enclosed with the tender document should also be signed by the authorized signatory of the Tenderer.
- No Deviation Certificate (Self declaration on letter head)
 - Near Relative Certificate (Self declaration on letter head)
 - Manufacturer Authorization: Bidder is Manufacturer or subsidiary of the OEM in India – Self Declaration of Manufacturer should be given.
 - Service Centre Details (please enclose legal documentary proof)
 - The minimum life span of the equipment should be 10 years and certificate in this regard should be submitted from the OEM. Also, OEM should undertake availability of

spares/parts of the equipment along with accessories supplied till the shelf life (minimum 10 years) of the equipment. (i) The above mentioned documents are to be submitted in hard copy as Technical Bid as per date prescribed in critical date sheet and as per instructions of online bid submission.

4 PRICE BID

4.1 The Price Bid of the Tenderer.

- 4.1.1 Bid should be uploaded online.
- 4.1.2 Format of the Schedules of price bid is available.
- 4.1.3 The price quoted shall be the landed price per unit at the specified locations on DDP basis and shall include all taxes and duties including transportation and other incidental expenditure for delivery at Consignee site.
- 4.1.4 The rate quoted in Price Schedule should be for a unit as given in specifications as detailed in the tender document. The bidder is not permitted to change / alter specification or unit size in the box.
- 4.1.5 The bidder has to quote seven years CAMC cost along with Equipment cost (inclusive of 3 years warranty). L1 will be determined on all inclusive cost including the seven years CAMC cost as per the price bid.

4.2 GST (Goods and Service Tax)/other statutory Taxes/Levies

- 4.2.1 GST shall be paid extra.
- 4.2.2 Any variation upwards/downwards as a result of statutory variation in GST/ other taxes/duties/levies for supplies during original specified delivery schedule of goods shall be allowed.
- 4.2.3 Any upward/downward revision (only during scheduled delivery period) in statutory taxes, levies will be allowed and benefit will pass on to supplier/purchaser.
- 4.2.4 Any increase in taxes and other statutory duties/levies after the expiry of the delivery date shall be to the supplier's accounts. However, the benefit of any decrease in these taxes/duties shall be passed on to the purchaser by the supplier.
- 4.2.5 The basic unit price quoted by the bidder shall remain fixed during the entire period of contract and shall not be subject to variation on any account. A bid submitted with an adjustable price quotation will be treated as non-responsive and rejected.

4.3 OPENING OF ‘TECHNICAL BID AND FINANCIAL BID’ OF TENDER CLARIFICATION OF BIDS SUBMITTED:

- a. To assist in the examination, evaluation and comparison of bids, the purchaser may, at his discretion ask the bidder for the clarification in its bid. The request for the clarification and response shall be in writing. However, no post bid clarification at the initiative of the bidder shall be entertained.
- b. The purchaser shall evaluate the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed and whether the bids are generally in order.
- c. Prior to the detailed evaluation, pursuant to clause above, the purchaser will determine the substantial responsiveness of each bid to the bid documents for purposes of these clauses. A substantially responsive bid is one, which confirms to all the terms and conditions of the bid documents without material deviations. The purchaser’s determination of bid’s responsiveness shall be based on the contents of the bid itself without recourse to extrinsic evidence.
- d. A bid determined as substantially non-responsive will be rejected by the purchaser and shall not subsequent to the bid opening be made responsive by the bidder by correction of the non-conformity.
- e. Arithmetical errors shall be rectified on the following basis. If there is a discrepancy between the unit price and total price that is obtained multiplying the unit price and quantity, the unit price shall prevail and total price shall be corrected by the purchaser. If there is a discrepancy between words and figures, the amount in words shall prevail.

4.4 ACCEPTANCE OF BID/TENDER

- 4.4.1 Technically responsive tenders will be evaluated based only on the “landed price”(all-inclusive price), i.e. Rate per Unit inclusive of all taxes, duties, transportation & other charges, CAMC prices (as applicable). GST shall be paid extra.
- 4.4.2 The evaluation for ranking shall be carried out on the basis of “all inclusive” prices of the goods offered for each schedule separately including the CAMC cost for 7 years.
- 4.4.3 The purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at any time prior to award of

contract without assigning any reason whatsoever and without thereby incurring any liability to the affected bidder or bidders on the grounds of purchaser's action.

- 4.4.4 (i) SBI or its authorized representative(s) has the right to inspect the factories of Tenderers, before accepting the rate quoted by them or before releasing any purchase order(s) or at any point of time during the continuance of tender and also has the right to reject the tender or terminate/ cancel the purchase orders issued and/or not to place further order, based on adverse reports brought out during such inspections. In such situation SBI reserves the right to take other actions against the tenderer including forfeit of security deposit, debarring/blacklisting for appropriate period.
- 4.4.5 The Tenderer shall allow inspection of the factory at any time by a team of Experts/ Officials nominated by the Tender Inviting Authority for the purpose. The Tenderer shall extend necessary cooperation to such team in inspection of the manufacturing process, quality control measures adopted etc., in the manufacture of the items quoted. If Company/ Firm does not allow for any such inspection, their tenders will be rejected during the currency of the contract.
- 4.4.6 The acceptance of the tenders will be communicated to the lowest / matched tenderers in writing (through email)

5 SECURITY DEPOSIT AND AGREEMENT

5.1 Security Deposit:

Total Security Deposit @ 3%

to be submitted to the Bank after successful commissioning of the plant to the Bank during the defect liability period of three years from the successful commissioning of the plant. PBG for CAMC cost (in Rs) from 4th year to 10th year will be submitted to the consignees/hospitals. The bidder has to submit the security deposit @ 5% of CAMC value for each year subsequently before expiry of the previous PBG for warranty/CAMC period.

- a. The Performance Bank Guarantee for CAMC shall be valid for a period up to sixty (60) days after the date of completion of all contractual obligations by the supplier.

- b. The lowest tenderer shall execute an Agreement on a non- judicial stamp paper of value as applicable within 15 days from the date of the intimation from SBI informing that his tender has been accepted.

6 EVALUATION CRITERIA AND METHODOLOGY FOR PLACING ORDERS

Criteria for Technical Evaluation Rating for Oxygen Generator System

Sl. No.	Parameters	Marks	Max. Mark
1	Experience of the bidder in domain comprising of single order value worth either of oxygen concentrator for Rs. 2 crore executed in the period preceding the date of bidding.		20
A	3 to 7 Years	5	
B	7 to 10 Years	10	
C	More than 10 years	20	
2	Bidder holding ISO-9001 certification from NABCB accredited body		20
A	Less than 5 years	5	
B	More than 5 years	10	
C	More than 10 years	20	
3	Certified product offering		20
A	ISO-13485	5	
B	Medical Air System Compliant with European Pharmacopeia	5	
C	European CE / US-FDA	10	
4	Offered system with Oxygen purity		20
A	Minimum 93%	5	
B	Minimum 94%	10	
C	Minimum 95%	20	
5	Bidder having average turnover of past three years		20
A	Less than 5 Crore	10	
B	5 - 10 Crore	15	
C	More than 15 Crore	20	
Total			100

Minimum qualifying mark in the technical evaluation will be 70 out of 100.

Evaluation of Financial Proposal:

- i. The bidder with lowest qualifying financial bid without statutory levies (L1) will be awarded 100 score. Financial Scores for other than L1 bidders will be evaluated using the following formula:
- ii. Financial Score of a Bidder (Fn) = $\{(Commercial\ Bid\ of\ L1 / Commercial\ Bid\ of\ the\ Bidder) \times 100\}$ (Adjusted to two decimal places).

Final Evaluation-Final score for an applicant would be weighted average of technical and financial bids, where the technical and financial proposals will be assigned a weight of 70 and 30 percent respectively.

- i. The technical and financial scores secured by each bidder will be added using weightage of 70% and 30% respectively to compute a Composite Bid Score.
- ii. The bidder securing the highest Composite Bid Score will be adjudicated as the most responsive Bidder for award of the Project. The overall score will be calculated as follows:
 -
- iii. $B_n = 0.70 * T_n + 0.30 * F_n$ Where
- iv. B_n = overall score of bidder

- v. T_n = Technical score of the bidder (out of maximum of 100 marks)
- vi. F_n = Normalized financial score of the bidder
- vii. In the event the bid composite bid scores are 'tied', the bidder securing the highest technical score will be adjudicated as the Best Value Bidder for Inviting for participating in Tendering process.
 - a. The quoted rates include 3 year onsite warranty cost and the bidder is also required to quote for next 7 years CAMC cost for each year as shown in the price bid. Per unit equipment cost will include the cost of the equipment including (custom duty, if any). The bidder will also quote yearly CAMC rate (all inclusive) for 4th, 5th, 6th, 7th, 8th, 9th and 10th year. The hospital site reserves the right to utilize the CAMC services for the full period or part thereof or none.
 - b. The schedule wise LI determination will be based on the unit total cost of all these components. The Tenderer, who has been declared as Lowest Tenderer for certain item(s), shall within the tender issue of LOA (letter of acceptance) execute necessary Agreement for the supply of the allocated quantity of such Goods as specified in the Tender Document after depositing the required amount as Security Deposit and on execution of the agreement such Tenderer shall supply goods on receipt of Purchase Orders.

7 SUPPLY / DELIVERY CONDITIONS

7.1 The supplier should acknowledge the receipt of the Purchase Order within 3 days of its receipt.

7.2 (a) The supplier shall supply, the ordered quantity within minimum required period of 30 days from the date of LOA at the destinations mentioned in the purchase order. If the above day happened to be a holiday for SBI, the supply should be completed by 5.00 PM on the next working day. In case of non-execution of the order either partly or fully, SBI reserves the right to cancel the purchase order or place fresh purchase orders on alternative source at the risk and cost of the default supplier. In such cases the SBI, has every right to recover the cost and impose penalty including blacklisting of the supplier and the product. Installation & commissioning, supervision, Demonstration, Trial run and training etc. Installation and commissioning shall be completed within 15 days of handing over the site of installation, complete in all respect by the consignee

(b) With the prior approval of SBI, the supplier may continue the supply, Installation & Commissioning the unexecuted quantity after the delivery dates/schedule as mentioned in LOA, with Liquidated Damages as specified in NIT of the tender conditions on the delayed supplies.

(c) Supplies should be made directly by the tenderer and not through any other Agency/Dealer/Distributor.

(d) The Tenderer shall not, at any time, assign, or make over the contract or the benefit thereof or any part thereof to any person or persons whatsoever.

(e) Transportation of Goods

(f) Instructions for transportation of domestic goods including goods already imported by the supplier under its own arrangement:

(g) In case no instruction is provided in this regard, the supplier will arrange transportation of the ordered goods as per its own procedure.

(h) Insurance

- In case of supply of goods on Consignee site basis, the supplier shall be responsible till the entire contracted stores arrive in good condition at destination. The transit risk in this respect shall be covered by the Supplier.

(i) Spares and Consumables

- Supplier shall carry sufficient inventories to assure ex-stock supply of consumables

and spares for the goods so that the same are used during contract period.

- (j) Incidental services: The supplier shall be required to perform the following services:
- i. Design, Supply, Installation, Testing & commissioning under its supervision and training of the hospital staff of the goods supplied. The goods offered should be suitable for Indian electrical rating as follows: Power supply: 200- 230V, 50Hz (Single Phase) or 400-440V, 50Hz (3 Phase).
 - ii. Providing required jigs and tools for assembly, minor civil works required for the completion of the installation.
 - iii. Training of Consignee's doctors, staff, operators etc. for operating and maintaining the plant.
 - iv. Supplying required 3 number of Instruction, Testing & Maintenance and operation manual, for the goods, Catalogue and Literature, Data Sheet, Relevant Test certificate, Quality Certificate, Guarantee Certificate and Any Others related documents.
 - v. This shall include installation & commissioning, supervision, Demonstration, Trial run and training etc. Installation and commissioning shall be completed within 3 weeks of handing over the site of installation, complete in all respect by the consignee. The date of handing over of the site has to be intimated by the supplier to the Bank. The delay on the part of the supplier to install and commissioning the equipment will attract the provision as contained in the liquidated damage clause.

(k) Distribution of Dispatch Documents for Clearance/Receipt of Goods

The supplier shall send all the relevant dispatch documents well in time to the /Consignee to enable the /Consignee clear or receive (as the case may be) the goods in terms of the contract.

The usual documents involved and the drill to be followed in general for this purpose are as follows.

Within 24 hours of dispatch, the supplier shall notify the /consignee, and others concerned if mentioned in the contract, the complete details of dispatch and also supply the following documents to them by registered post / speed post / courier:

- (i) Two copies of supplier's invoice showing contract number, goods description, quantity.
- (ii) Consignee Receipt Certificate in original issued by the authorized representative of the consignee, to be signed by store in-charge and returned to the supplier.

- (iii) Packing list identifying contents of each package.
- (vi) Inspection certificate issued by the nominated Inspection agency, if any.
- (v) Certificate of origin.
- (vi) Insurance Certificate.
- (vii) Manufacturers/Supplier's warranty certificate & In-house inspection certificate

7.3 The Tenderer shall take back goods, which are not utilized by the SBI within the shelf life period, based on mutual agreement.

7.4 If at any time the Tenderer has, in the opinion of the SBI, delayed the supply of drugs/ goods due to one or more reasons related to Force Majeure events such as riots, mutinies, wars, fire, storm, tempest or other exceptional events at the manufacturing premises, the time for supplying the drugs may be extended by the SBI at its discretion for such period as may be considered reasonable. However, such extension shall be considered only if a specific written request is made by the Tenderer within 10 days from the date of occurrence of such event. The exceptional events do not include scarcity of raw material, increase in the cost of raw material, electricity failure, labour disputes/ strikes, insolvency, and closure of the factory/ manufacturing unit on any grounds etc.

7.5 The supplier shall not be liable to pay LD/ penalty and forfeiture of security deposit for the delay in executing the contract on account of the extension of supply period on the ground of force majeure events.

8 PACKING

8.1 The Goods shall be supplied in the package specified in the Technical Specifications.

- The packing for the goods to be provided by the supplier should be strong and durable enough to withstand, without limitation, the entire journey during transit including transshipment (if any), rough handling, open storage etc. without any damage, deterioration etc. As and if necessary, the size, weights and volumes of the packing cases shall also take into consideration, the remoteness of the final destination of the goods and availability or

otherwise of transport and handling facilities at all points during transit up to final destination as per the contract.

- The quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall strictly comply with the requirements as provided in Technical Specifications In case the packing requirements are amended

due to issue of any amendment to the contract, the same shall also be taken care of by the supplier accordingly.

- Packing instructions:

Unless otherwise mentioned, the supplier shall make separate packages for each consignee (in case there is more than one consignee mentioned in the contract) and mark each package on three sides with the following with indelible paint of proper quality:

- a. contract number and date
- b. brief description of goods including quantity
- c. packing list referencenumber
- d. country of origin of goods
- e. consignee's name and full address and
- f. supplier's name and address

9 QUALITY CONTROL

9.1 Quality Control is an essential part of the current procurement and it is the responsibility of the supplier to ensure quality assurance as per specifications/bid document. The products should conform to the standards of the Tender document.

- The (Tender Inviting Authority and/or its nominated representative(s) may, inspect and/or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. The shall inform the supplier in advance, in writing, the programme for such inspection and, also the identity of the officials to be deputed for this purpose. The Technical Specification and Quality Control Requirements incorporated in the contract shall specify what inspections and tests are to be carried out and, also, where and how they are to be conducted. If such inspections and tests are conducted in the premises of the supplier or its subcontractor(s), all reasonable facilities and assistance, including access to relevant drawings, design details and production data, shall be furnished by the supplier to the 's inspector at no charge.
- If during such inspections and tests the contracted goods fail to conform to the required specifications and standards, the 's inspector may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet the specifications and standards, as required, free of cost to the and resubmit the same to the inspector for conducting the inspections and tests again.
- In case the contract stipulates pre-dispatch inspection of the ordered goods at supplier's

premises, the supplier shall put up the goods for such inspection to the inspector well ahead of the contractual delivery period, so that the inspector is able to complete the inspection within the contractual delivery period.

- If the supplier tenders the goods to the inspector for inspection at the last moment without providing reasonable time to the inspector for completing the inspection within the contractual delivery period, the inspector may carry out the inspection and complete the formality beyond the contractual delivery period at the risk and expense of the supplier. The fact that the goods have been inspected after the contractual delivery period will not have the effect of keeping the contract alive and this will be without any prejudice to the legal rights and remedies available to the under the terms & conditions of the contract.
- The /consignee's contractual right to inspect, test and, if necessary, reject the goods after the goods' arrival at the final destination shall have no bearing of the fact that the goods have previously been inspected and cleared by inspector during pre-dispatch inspection mentioned above.
- Goods accepted by the /consignee and/or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute 's/consignee's right to reject the same later, if found deficient in terms of the warranty clause of the contract.
- Inspection and testing-All the material would comply with the requirements of testing. All the equipment/material shall comply with the governing standards for which copies of certification by statutory authority would be submitted. Copies of the internal certification by manufacturer or of statutory authorities in original would be submitted at the time of supply to the consignee without which the supply shall not be accepted. A copy of all these certificates also to be attached with invoices raised by vendors to SBI.

9.2 The bidder/ supplier understand that the tendered item/items is/are critical health goods and the quality parameters of supplied goods are to be ensured during complete specified shelf life as indicated in technical specification/bid document/ official compendium. Bidder/Supplier also appreciate that failure in quality checks is serious default as it may derail entire programme and can also risk the life of users of supplied health goods.

9.3 SBI will embark on stringent quality checks to ensure that tendered goods meet required standards. For this purpose, SBI reserves the right to carry necessary inspections/tests at any of, or any combination of or/ all of following stages:

- (a) At Pre-Dispatch stage-team of experts can be constituted by the program division for inspection of the goods for confirmation of quality.

- (b) At Delivery Stage: inspection done once the goods reach at consignee location and before taking over supplied goods in inventory.
- (c) Post-delivery Surveillance: Quality Monitoring Activities may also be organized by SBI post delivery

9.4 In case of failure of goods during or at any stage, the testing / Inspection charges would be claimed for the defaulting vendor.

9.5 The commissioning will be deemed to be completed only upon receipt of the Testing Report, Installation Report and FAC. In case of Testing Report indicating lower percentage of Oxygen output as prescribed in the Technical Specifications, such goods will be deemed to be uninstalled/non working goods (as the case may be). This non- working/lower delivery of Oxygen output percentage will be considered as the downtime of the equipment. The vendor has to make necessary corrections to bring back the Oxygen output percentage within the prescribed limits and submit a final report from the testing laboratory for confirmation of the same.

In the event of the samples of Goods supplied fails in quality tests or found to be not as per specifications at any of testing/inspection stages, depending upon the type, nature and seriousness of failure, consequences resulting from such default, availability of alternate sources, the SBI is at liberty to either :

- (i) Action to debar/blacklist the supplier for suitable period, as decided by SBI may also be initiated, in addition to forfeiture of PSD.
- (ii) In addition, the Competent Authority (Licensing Authority) will be informed for initiating necessary action on the Tenderer in their state. Security deposit will also be forfeited without any intimation.
- (iii) The decision of the SBI or any officer authorized by SBI, as to the quality of the supplied equipment, etc., shall be final and binding.

In case the PO issued to awarded bidder is terminated on account of quality/testing/inspection/non supply/non commissioning and PO is issued to some other vendor, the original awarded bidder will be liable to dismantle and lift their equipment at their own cost and hand over the site to the new vendor within one week of notice. If the vendor will not dismantle the equipment in the given time as per , /Consignee reserves the right to get the equipment dismantled from external party and auction/sell the equipment part (s) or as whole at the risk and cost of the defaulting supplier.

10 Payment provisions

10.1 Payment Terms

Payment shall be made subject to recoveries, if any, by way of liquidated damages or any other charges as per terms & conditions of contract in the following manner.

Payment shall be made in Indian Rupees as specified in the contract in the following manner:

a) On delivery:

40% payment of the contract price shall be paid on receipt of goods in good condition and upon the submission of the following documents:

- i. Two copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
- ii. Consignee Receipt Certificate in original issued by the authorized representative of the consignee.
- iii. Packing list identifying contents of each package;
- iv. Inspection certificate issued by the nominated Inspection agency, if any.
- v. Insurance Certificate
- vi. Certificate of origin.

b) On Commissioning of Plant:

Balance 60% payment would be made against Final Commissioning to be issued by the consignees. Final acceptance certificate and Installation Certificate will be released by the consignee on completion of installation, commissioning and training, handing over the equipment to the consignee and receiving the satisfactory testing report of the Oxygen output from PSA Plant.

c) Payment for Comprehensive Annual Maintenance Contract Charges:

The Consignee will enter into CAMC with the supplier at the rates as stipulated in the contract & Tender terms and conditions. The payment of CAMC will be made by the respective Hospital on six monthly basis after satisfactory completion of said period, duly certified by the consignee on receipt of bank guarantee for an amount deposit @ 5% of CAMC value for each year subsequently before expiry of the previous PBG for warranty/CAMC period as per contract, valid till 2 months after expiry of one year of CAMC period.

- The supplier shall send its claim for payment in writing, when contractually due, along with relevant documents etc., duly signed with date, to respective consignees.
- While claiming payment, the supplier is also to certify in the bill that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.
- While claiming reimbursement of duties, taxes etc. from the , as and if permitted under the contract, the supplier shall also certify that, in case it gets any refund out of such taxes and duties from the concerned authorities at a later date, it (the supplier) shall refund to the forthwith.

The payment towards supply of goods to SBI/Consignee will be made either by means of Cheque or through RTGS (Real Time Gross Settlement System)/ Core Banking/ NEFT. The Tenderer shall furnish the relevant details in original to make the payment through RTGS/Core Banking/NEFT.

All bills/ Invoices should be raised in duplicate and the bills should be drawn in the name of SBI Foundation or in the name of any other authority as may be designated.

- Variations in prices will be admitted on account of increase or decrease in the Statutory taxes levies, such as customs duty, GST etc., on production of relevant government notification, but during scheduled delivery period only.
- Any increase in taxes and other statutory duties/levies after the expiry of the delivery date shall be to the supplier's accounts. However, the benefit of any decrease in these taxes/duties shall be passed on to the purchaser by the supplier.

10.2 LIQUIDATED DAMAGES AND OTHER PENALTIES: DELAYS IN SUPPLIER'S PERFORMANCE:

- Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule specified by the purchaser in its purchase order. In case the supply/commissioning is not completed in the stipulated delivery period, as indicated in the purchase order, purchaser reserves the right either to short-close/cancel this purchase order and/or recover liquidated damage charges. The cancellation/short-closing of the order shall be at the risk and responsibility of the supplier and purchaser reserves the right to purchase balance-unsupplied quantity at the risk and cost of the defaulting vendor.

- (b) Repeated/habitual delays by the supplier in the performance of its delivery obligations shall render the supplier liable to any or all of the following sanctions; imposition of liquidated damages, forfeiture of its performance security, and/or termination of the contract for default and purchaser reserves the right to purchase balance-unsupplied quantity at the risk and cost of the defaulting vendor.
- (c) If the supplies are not completed in the extended delivery period, the purchase order may be short closed without any compensation to supplier and the performance security shall be forfeited.
- (d) Quantum of liquidated damages assessed and levied by the purchaser shall be final and not challengeable by the supplier.
- (e) Purchaser reserves the right to debar/blacklist the supplier for a suitable period who habitually failed to supply the goods/services in time. The decision of purchaser will be final and binding.
- (f) Downtime Penalty- The maximum time allowed to attend any maintenance/ repair call by the supplier shall be within 48 hours to reach areas. The supplier if does not attend and resolve the maintenance/ repair call within said period, SBI will have the right to levy penalty of same quantum as stated in NIT.
- (g) The bidder is required to complete the SITC of the full equipment set at the allocated site/sites within 30 days from LOA (civil and electrical works under the scope of the consignee) by the consignee.

11 WARRANTY and CAMC Conditions:

- Warranty period- 3 years from the date of installation and commissioning.
 - CAMC (Comprehensive Annual Maintenance Contract) period- 7 Years from the date of expiry of warranty period.
- a) The /Consignee reserves the rights to enter into Comprehensive Annual Maintenance Contract with the supplier for the period as mentioned in terms & conditions or part thereof or none, after the completion of warranty period.
 - b) The Comprehensive Annual Maintenance Contract (CAMC) is otherwise an extended warranty. All the terms and conditions agreed by the successful bidder for executing the comprehensive warranty of the equipment shall be extended during the period of CAMC, only difference being the payment of CAMC charges is absent during the period of comprehensive warranty. The CAMC rate quoted in the Price Bid is exclusive of tax, as applicable, will be provided at the time of execution.
 - c) The supplier warrants comprehensively that the goods supplied under the contract is

new, unused and incorporate all recent improvements in design and materials unless prescribed otherwise by the in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials, manufacturing or workmanship or from any act or omission of the supplier that may develop under normal use of the supplied goods under the conditions prevailing in India.

- d) The warranty shall remain valid for the period as mentioned in the list of requirement/ General Technical specification, after the goods or any portion thereof as the case may be, have been delivered, installed and commissioned at the final destination.
- i. No conditional warranty will be acceptable.
- ii. Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories supplied as per Technical Specifications and it will also cover the following wherever applicable:-
- Any kind of motor.
 - All kind of sensors.
 - All kind of coils.
 - consumable items
 - Consumable/ lubricants
 - filters
 - UPS including the replacement of batteries.
 - replacement of Zeolites
- iii. Replacement and repair will be under taken for the defective goods.
- iv. Proper marking has to be made for all spares for identification like printing of installation and repair dates.
- e) In case of any claim arising out of this warranty, the /Consignee shall promptly notify the same in writing to the supplier.
- f) The Supplier along with its Indian Agent shall always accord most favoured client status to the vis-à-vis its other Clients/s of its equipment/machines/goods etc. and shall always give the most competitive price for its machines/equipment supplied to the /Consignee

Service Level Agreement during Warranty and CAMC Period

Sl. No	Activity	Time Limit
1	Frequency of payment of CAMC charges directly by the consignee	Every six months after completion of the period
2	Maximum time to attend any Repair call	Within 48 hours of reporting of the issue by the consignee. In cases, where the down time increases beyond 48 hours the vendor would (keep arrangement ready) to make available the medical oxygen backup in shape of the oxygen cylinders to meet hospitals daily requirements failing which this requirement would be met by hospital/institution at risk and cost of the defaulting vendor.
3	Frequency of visits to all User Institution concerned during Warranty/ AMC/CAMC	One visit every 3 months (4 visits in a year) for periodic / preventive maintenance and any time for attending repairs / break down calls.
4	Uptime in a year	The bidder shall ensure up time of 95%. The bidder shall provide up-time warranty of complete equipment, the uptime being calculated on 24 (hrs) X 7 (days) basis, failing which the extension of Warranty period will be extended by double the down time period.

(A) Assignment

The Supplier shall not assign, either in whole or in part, its contractual duties, responsibilities and obligations to perform the contract to any other individual or agency, except with the 's prior written permission.

(B) Sub Contracts

- i. The Supplier shall notify the in writing of all sub contracts awarded under the contract if not already specified in its tender. Such notification, in its original tender or later, shall not relieve the Supplier from any of its liability or obligation

under the terms and conditions of the contract.

- ii. Sub contract shall be only for bought out items and sub-assemblies.
- iii. Sub contracts shall not be made with a party who has been convicted / or a criminal case filed against it or pending in any court of India by any department of the government under Prevention of Corruption Act or for cheating / defrauding government / embezzlement of government fund or for any criminal conspiracy in the said matters.

If any defect is not remedied within a reasonable time the purchaser may proceed to procure such defective quantities at the Supplier's risk and cost from other tenderer or open market, but without prejudice to may other rights which the purchaser may have against the contract in respect of such defects.

12 Scope of Work:

A) To suggest suitable quality norms to ensure uniform quality standards for the various types of plant configuration (OEM, Part OEM- Part fabricated, etc.)

- i. A joint team of Hospital staff and vendor/supplier will collect the sample of oxygen output and get the sample analysis report of the PSA Oxygen Generation Plant output, from third party NABL approved Lab after commissioning & submit a copy of same signed by Hospital Authority along with the final acceptance certificate to SBI for payment.
- ii. The quality of output of the PSA Oxygen Generation Plant should be tested from third party NABL approved Lab every year during the warranty and CAMC period& submit a copy of same to Hospital Authority.
- iii. The testing charges on each occasion shall be borne by the vendors.
 - i. The Pressure of the output, concentration of the oxygen, alarms and automatic change over in case of failure need to be demonstrated by the supplier and certified by the User Hospital at the time of taking hand over and during Preventive maintenance also.

B) SCOPE OF HOSPITALS

- ii. The civil and electrical infrastructure, medical gas pipeline with manifold, operation, conformity of installation, routine maintenance & testing (user based) and arrangement of backup oxygen supply of the Plant will be in Hospital's scope.
- iii. A space based on Plant capacity (as detailed in the table in Tech. Specs) should be earmarked by Hospitals for installation of PSA Oxygen Generation Plant with readiness of complete civil structure as detailed in table in Tech. Specs within 30 days of issuance of LOA.

- iv.** Any civil repair works, painting of the structure/room, providing the doors, windows and attending to the seepages etc. shall be hospital's responsibility for the complete life of plant.
- v.** Hospital shall provide single/3 phase (as per requirement) uninterrupted electrical supply of indicated load which shall be at a point within 30 m to the civil structure with assured Back up.
- vi.** Attending to electrical faults till distribution point provided by Hospitals shall be Hospital's responsibility.
- vii.** Oxygen pipeline works (including fabrication/welding/jointing if required) from the Plant till the existing Oxygen supply system/manifold system/LMO system of the hospital or 15m whichever is lower shall be of vendor's responsibility. Beyond this point, any Oxygen pipeline works including manifold (including fabrication/welding/jointing if required) shall be in the Hospital's scope.
- viii.** Attending to leakages in Oxygen pipeline beyond vendor's scope (i.e. from and within PSA plant to Oxygen supply system) shall be Hospital's responsibility.
- ix.** Operation and day to day maintenance (user based) of plant shall be in Hospital's scope. User and Maintenance training as per Manufacturer's guidelines (to be submitted at the time of bidding as per sr. no. 21 of tech spec. sheet) shall be imparted by the Vendor to Hospital staff. Also to ensure capacity building provision of yearly training has been kept in SLA (sr. no. 23 of tech. spec. sheet). One day training by the vendor, every year is incorporated in the tender SLA, however, routine operation and maintenance of the plant falls under hospital scope.
- x.** After commissioning and take over by hospital, responsibility of safety and security of Oxygen Generation Plant will be of the Hospital.
- xi.** In case of breakdown of the plant, arrangement of backup oxygen supply for the repair time (maximum upto 48 hours as per SLA) will be hospital's responsibility. If the repair time exceeds 48 hours, vendor would (keep arrangement ready) to make available the medical oxygen backup in shape of the oxygen cylinders to meet hospitals daily requirements failing which this requirement would be met by hospital/institution at risk and cost of the defaulting vendor.
- xii.** After receipt of supplies at site, the head of Medical Facilities/ authorized person will be responsible for receiving the material and ensure safe custody till installation and

commissioning work start. The Hospital authority/ will need to issue CRC (format enclosed) at the time of receipt of material for release of first installment of payment (40%). The Hospital authority will need to issue Installation cum Handover document (format enclosed) after successful commissioning of the Plant and testing of the Plant output from 3rd party NABL accredited Lab along with FAC i.e. final Acceptance Certificate (format enclosed) for release of final payment (60%). The Pressure of the output, concentration of the oxygen, alarms and automatic change over in case of failure need to be demonstrated by the supplier and certified by the user Hospital at the time of taking hand over and during Preventive maintenance also. Digital Photograph of material delivery, training, and commissioning need to be submitted for claiming the payment.

- a. After completion of 3 years warranty, Consignee/Hospital, in its own discretion, shall enter into separate CAMC contract(s) with the Supplier. In such cases of CAMC contract(s), the rates offered by the Supplier along with the bid shall be binding on the Supplier at the appropriate stages of the said contract(s). The Supplier will need to submit Security Deposit at the rate and terms defined in the tender to the respective Hospital/State Health Facilities who will be responsible for safe custody of the said SD and release of payment of CAMC as per tender terms. However, the state health facility/hospital site reserves the right to utilize the CAMC services for the full period or part thereof or none.

C) SCOPE OF VENDORS

- xiii.** Documents to be submitted-Flow line diagram, Block Schematic, colored technical manuals scanned in original of the complete oxygen plant should be provided with the technical bid. Bidder should submit complete technical offer including Make, Model and certifications in accordance with technical specifications with Non Price BOQ(Bill of Quantity) i.e. for each component or equipment installed with PSA Oxygen Generation Plant. Copies of same documents to be submitted to the Hospital at the time of handing over the Plant to the Hospital at the time of commissioning.
- xiv.** Erection of the plant would be under the scope of the bidders (which includes masonry works required for plant erection and commissioning as per the Foundation layout).
- xv.** Oxygen pipeline works (including fabrication/welding/jointing if required) from the Plant till the existing Oxygen supply system/manifold system/LMO system of the hospital or 15m whichever is lower shall be of vendor's responsibility.
- xvi.** Attending to leakages in Oxygen pipeline from and within PSA plant to Oxygen supply system shall be vendor's responsibility. Attending to electrical faults or shutdowns within

PSA plant shall be vendor's responsibility.

- xvii.** Charging of the panel -(This requires Cable lying, electrification work from the main panel and earthing works).The entire cabling from the mains to the panel should be armoured cable up to 30 mtrs only.
- xviii.** Any work beyond the scope of Hospital and necessary for successful installation, testing and commissioning of PSA Oxygen Plant shall be deemed to have been included within the scope of vendor with no extra cost.
- xix.** Terms of Labeling, Packaging, User Maintenance & training, formalities needed for successful hand over of plant as defined in the tender will be fulfilled by the vendor.
- xx.** Provision of Warranty for 3 years and Comprehensive Annual Maintenance Contract for 7 years to cover complete life of Plant will be kept in the tender.
- xxi.** The Preventive Maintenance should include checklist for maintenance of all the components of PSA Oxygen Plant which may be modified afterwards on mutual agreements

The terms of Service Level Agreement (SLA) during Warranty and CAMC:

- i. Maximum time to attend any Repair call- Within 48 hours of reporting of the issue by the consignee. In cases, where the down time increases beyond 48 hours the vendor would (keep arrangement ready) to make available the medical oxygen backup in shape of the oxygen cylinders to meet hospitals daily requirements failing which this requirement would be met by hospital/institution at risk and cost of the defaulting vendor.
- ii. Frequency of visits to User Institution concerned during Warranty/ CAMC- One visit every 3 months (4 visits in a year) or one visit after every 3000 hours of usage (whichever is earlier) for periodic/ preventive maintenance and calibration and any time for attending repairs / break down calls. Training and Capacity Building of one day has to be imparted per year, date and time to be decided on mutual agreement between the vendor and user department.
- iii. Uptime in a year- The bidder shall ensure uptime of 95%. The bidder shall provide up-time warranty of complete equipment, the uptime being calculated on 24 (hrs) X 7 (days) basis, failing which the extension of Warranty period will be extended by double the downtime period.

13 FALL CLAUSE

- (i) Bidder undertakes and certifies that prices quoted are not higher than currently charged by it to institutional supplies/wholesalers/ any Govt. organizations/Charitable trust organization for matching purchase terms/conditions. It is distinctly understood by bidder that in case of supply to such bodies (as detailed above) at price lower than the SBI contracted price (within the contracted period specified) will immediately invite the reduction in the rates of the contract.
- (ii) Breach of above, whenever comes to notice of SBI, will be viewed seriously and action will be taken against the supplier which may include forfeiture of Security Deposit (SD) along with recovery of price differential, termination of the contract and disqualification from participating in future tender for the product for a suitable period. The terms of said contracts under comparison be examined to reach at justifiable decision. SBI decision in this regard will be final and binding.

SAVING CLAUSE

No suit, prosecution or any legal proceedings shall lie against the Tender Inviting Authority or any person for anything that is done in good faith or intended to be done in pursuance of the tender.

14 PROHIBITION OF INFLUENCING SBI BY THE BIDDER:

- (i) No bidder shall contact or influence the SBI or its employees on any matter relating to its bid from the time of bid opening to the time the contract is awarded.
- (ii) Any effort by a bidder to influence the SBI in the bid evaluation, bid comparison or contract award decisions may result in rejection of the bidder's bid.
- (iii) The bidder shall not make any attempt to establish unsolicited and unauthorized contact with the Tender Accepting Authority, Tender Inviting Authority or Tender Evaluation Committee after opening of the bids and prior to the notification of award and any attempt by any bidder to bring to bear extraneous pressures on the Tender Accepting Authority, Inviting Authority or Tender Evaluation Committee, shall be sufficient reason to disqualify the bidder.
- (iv) Notwithstanding anything contained in clause (iii) above the Tender Inviting Authority or the Tender Accepting Authority, may seek bonafide clarifications from bidders relating to the bids submitted by them during the evaluation of bids

15 **ARBITRATION**

15.1.1 Any and all disputes, controversies and conflicts ("Disputes") arising out of this Agreement or in connection with this Agreement or the performance or non-performance of the rights and obligations set forth herein, or the breach, termination, invalidity or interpretation thereof shall be referred for arbitration in terms of the Arbitration and Conciliation Act, 1996 (Arbitration Act) or any amendments thereof. Prior to submitting the Disputes to arbitration the parties shall make all endeavours to settle the dispute/s through mutual negotiation and discussions. In the event that the said dispute/s are not settled within 30 days of the arising thereof as evidenced through the first written communication from any party notifying the other regarding the disputes, the same shall finally be settled and determined by arbitration as above.

15.2. The place of arbitration shall be at Ahmedabad and the language used in the arbitral proceedings shall be English. Arbitration shall be conducted by a mutually appointed sole arbitrator. If the Parties are unable to agree upon a sole Arbitrator, each Party shall appoint one arbitrator and the two arbitrators so appointed by the Parties shall appoint the third arbitrator, who shall be the Chairman of the Arbitral Tribunal.

15.3. The arbitral award shall be in writing and subject to the provisions of the Arbitration and Conciliation Act, 1996 Act shall be enforceable in any court of competent jurisdiction.

15.4. Pending the submission to arbitration and thereafter, till the Arbitrator or the Arbitral Tribunal renders the award or decision, the Parties shall, except in the event of termination of this Agreement or in the event of any interim order/award is granted under the afore stated Act, continue to perform their obligations under this Agreement.

The Service provider shall continue the work under the Contract during the arbitration proceedings unless otherwise directed by the Bank or unless the matter is such that the work cannot possibly be continued until the decision of the arbitrator is obtained.

16. **GOVERNING LAW & JURISDICTION**

16.1. The terms and conditions of the tender shall be governed and construed in accordance with the Laws of Republic of India.

162. Subject to clause 16 the Parties agree to submit to the exclusive jurisdiction of the appropriate court at Ahmedabad in connection with any dispute between the Parties under the Agreement.

**TECHNICAL SPECIFICATIONS OF MEDICAL OXYGEN GENERATION PLANT ALONG
WITH ALLIED EQUIMENTS**

1. Compressed Air system consisting screw type compressor (2 numbers to be supplied with each PSA system)

- (i) The oxygen concentrator should be supplied with Air compressor system to meet the peak load at atmospheric air and pressure requirement.
- (ii) The compressor should be suitable as per site conditions, with flow rate of 200 or more CFM at 8 Bar, fitted with electric motor three phase AC 415 +/- 1% Volts, 50 Hz frequency.
- (iii) Start/ Stop for starting/ stopping the compressor having inbuilt display unit with the keypad users interface for indicating the following messages.
- (iv) Operation Type: Automatic loading and unloading of Compressor Control Type : Local, Remote & Computer Timer Activated / not activated, Discharge Pressure, running hours, loading hours, regulator hours, service Plan.
- (v) Compressor Package is enclosed in a powder coated acoustic canopy with sound absorbing material for limiting the noise level. Canopy is pressurized ensuring no pressure drop at suction filter and avoids entry for dust particles in the element in the anti-vibration mounts support electric motor and compressor unit and isolate the moving components from the rest of the structure. The desired working pressure of the compressed dry air should be 7.5-8.0bar.
- (vi) Compressed air system comprising of screw air compressor, air cooled with PLC based control panel coupled with motor assembly.
- (vii) The compressor should be capable of delivering air as required for PSA, pressure swing adsorption generator.
- (viii) The compressor shall have to be with all standard accessories compatible with oxygen generator.
- (ix) The flow capacity of the compressor and delivery pressure shall be as specified by Core PSA Medical Oxygen Generator service provider. The motor rating shall be suitable for air compressor.
- (x) Average ambient conditions to be considered for air compressor with regards to temperature and site elevation. The site should be able to work in all weather conditions.
- (xi) The air compressor shall be manufactured to internationally acceptable standards with CE mark and ISO 9001 and ISO 13485 certification. ISO 8573-1: Compressed air – Part 1: Contaminants and purity classes. ISO 8573-2: Compressed air – contaminant measurement – Part 2: Oil aerosol content. ISO 8573-4: Compressed air – contaminant measurement – Part 4: particle content. ISO 5011: Inlet air cleaning equipment for internal combustion engines and compressors – performance testing.

- (xii) Intake air temperature shall be conditioned to between (minus)10 to +55 deg C and $\leq 95\%$ RH (or plant operating conditions as indicated by supplier).
- (xiii) It should be supplied with all accessories for full installation and operation - flywheel, foundation bolts, motor pulley, v-belts, belt guard, and slide rails for the motor.
- (xiv) EFF1 (CEMEP) rated totally enclosed fan-cooled, IP55 class F electric motors shall be used and incorporate maintenance- free greased for life bearings. Motors with lower (equivalent) efficiency ratings are not acceptable.

2. **Refrigerant Air Dryer:**

- (i) Refrigerant type Air Dryer should have inlet pressure equal to outlet pressure from Air compressor, inlet air temperature less than 45 °C, ambient temperature +0°C to +45 , dew point temperature of maximum +3°C and inlet air capacity compatible to air delivery capacity of air compressor.
- (ii) The dryer shall be provided with power supply as required by dryer vendor.
- (iii) It should be equipped with safety valves. It should be of simple plug and play concept.
- (iv) The pressure shall be self-regulating.
- (v) The dryer shall include the following components:

a) Refrigerant Circuit

- Refrigerant separator and compressor
- Maximum pressure switch and fan control switch (FX 13-21)
- Condenser fan and condenser
- Capillary filter and tube
- Hot gas bypass

b) Air Circuit

- Air inlet to refrigerant heat exchanger
- Air/heat exchanger
- Water separator
- Automatic drain
- Air outlet

3. **Air Receiver:**

- (i) The system should be provided with an Air Receiver having the 2000 Ltr. Or specific capacity and should be designed in such a way to sustain pressure of 7.5-8 Bar (Pressure tested to two times its normal and working pressure) along with auto drain valve.
- (ii) The air receiver should be fabricated as per ASME Sec VIII Div.1 or IS 2825 Code or equivalent and fitted with 2 Nos. auto drain-out moisture filters and cleaned

according to ISO 15001, ASTM G93 or equivalent.

- (iii) A corrosion allowance of 3 mm shall be considered.
- (iv) The receiver vessel shall be provided with a pressure gauge, safety valve and auto drain valve.
- (v) Vertical floor mounted design equipped with pressure gauge, safety release valve, manual and automatic, zero-loss drain valve (float-type are not acceptable).
- (vi) The receiver assembly shall be fitted with a pressure safety valve capable of passing the maximum flow output of the compressor at 10% receiver overpressure.

4. Filtration system for the compressed Air:

- (i) Feed air quality of the oxygen concentrator should be conforming to ISO 8573 Class 4 and is of filtration grade of 0.01 micron. The unit should have maximum dew point of +3 degree centigrade (Two stage filtration system)
- (ii) The filtration system should include both inlet filtration comprising of micro filter and active carbon filter as well as outlet filtration comprising dust fine filter.
- (iii) Type of filters to be specified in terms of Prefilter(>5 micron); Fine filters coalescing filter (0.1 micron); and coal filter (coal tower, alternatively activated carbon filter).

5. Molecular Sieve Units:

- (i) The plant should comprise of duplexed air treatment/molecular sieve devices to permit continuous generation of oxygen: two sets of filters and a pair of molecular sieves.
- (ii) One of the pairs of duplex sieves will be in the adsorbing stage, whilst the other regenerates.
- (iii) Each vessel will have dual gas baffle and strainer assemblies to protect and contain the molecular sieve.
- (iv) Each molecular sieve shall be a high-performing chemically produced zeolite as the molecular sieve media that has been compacted to the correct density by means of vibration to adsorb specific types of molecules (such as water vapour or nitrogen).
- (v) Pneumatic valves shall control the generation and regeneration process to ensure proper changeover between the two sieve devices.
- (vi) A vacuum pump may be required as part of the system. The vacuum pump, if provided, is utilized during the adsorption/regeneration process.

6. Oxygen Concentrator Module :

- i) Fully automated system Microprocessor based oxygen concentrator module, duplex process valve system with PSA (Pressure Swing Adsorption) Technology to produce minimum 30-32 Nm³/h or 500/600 LPM at purity of medical grade oxygen at 93%+/- 3% purity.**
 - a) Each module should be able to produce medical grade oxygen purity of 93% ± 3%. The oxygen should be of medical grade and shall be supplied through oxygen outlet at minimum pressure of 4.2-6 bar at all times of operations of the generator.
 - b) Automatic shut off valve should be installed to control the medical oxygen purity and pressure.

- c) The oxygen concentrator system shall have PSA sieve beds with touch screen for display of size not less than 5" for constant quality control by +/- 1% accuracy in measuring with oxygen purity, outlet pressure, instruction manual, curves of oxygen pressure, basic setting, alarm facility for process a cycle failure, low oxygen pressure, maintenance alerts, process over view with valve operation and an analogue values.
- d) In case of valve malfunctioning, the panel shall have diagnostic tool to pin point exact values in question for fast service.
- e) The plant should be able to deliver medical grade oxygen at Indian Pharmacopeia monograph quality standards Continues output flow to cover 100% of the oxygen demand. The oxygen should be of medical grade and shall be supplied through pipelines at outlet pressure should not less than 4.48 kg/CM².

ii) Medical Oxygen (As per Indian Pharmacopeia 2018- Oxygen 93%).

Oxygen 93% contains not less than 90.0 percent and not more than 96.0 percent v/v of O₂

Oxygen Purity: 93% +/- 3%

CO: <5

ppm CO₂:

< 300 ppm

Water Vapour <

67ppm SO₂: 0 ppm

NO_x : 0 ppm

- iii) Maintenance Free self-lubricating, heavy duty valve section, angle seat pneumatic valve technology for constant availability of pure oxygen. The inlet pressure sensor shall be included in the scope of the contract.
- iv) The oxygen concentrator should have built in Zirconium/Ultrasonic/Galvanic type oxygen sensor with Oxygen Analyzer with digital display having automatic backup control system also fitted with Medical sterile and bacterial filter.
- v) Operating Temperature range (minus)50 C to +55C
- vi) Humidity: up to 95%
- vii) Electrical Supply – 220-240VAC, single or 3 Phase. It may vary as per the requirement of the site and the plant size.
- viii) Should be Automatic and designed for unattended operation (but to be strictly monitored by service provider with all safety measures required to ensure non-stop operation when power goes off and supply should have a backup tank for storage of oxygen in tank of proper capacity case power is off due to load shedding maintenance etc. 24x7 in 3 shifts)
- ix) Should have silencer: Silencer reduces air discharge noise to less than 65dBA.
- x) All the Certifications should be provided by Original Equipment Manufacturer

- a. It should have ISO 9001:2008 certification – for organization
 - b. Oxygen Generator must have accredited by US FDA (United States, Food and Drug Administration) or CE Certificate/ CE (Conformity European) / EC (European certificate), approved certification of the Original Equipment Manufacturer.
 - c. ISO 13485: 2016 certification – for design of medical systems
 - d. ISO10083/ENISO7396-1/EN737-3 European Standards and should be in accordance with medical device directives 93/42/EEC or Medical use international standard regarding the supply of oxygen via oxygen generators for a use in medical gases distribution networks.
- xi) In case of the bidder supplying Imported PSA Plant, he should give a certificate from the OEM that the generator offered by the bidder (its brand and its model Number) is manufactured by the OEM as a medical grade oxygen generator and sold as such in INDIA.

7. **Oxygen Analyser:**

The oxygen Analyzer should be from Core PSA/Same OEM plant supplier only. Local makes or after-market devices shall not be accepted. Analyzer shall meet the following specifications to ensure long term reliability

- (i) Sensor –rated for use with PSA oxygen production (e.g. ultrasonic, galvanic, or equivalent), to be specified by bidder
- (ii) Measurement range: 21-96% O₂ (lower or higher acceptable)
- (iii) Resolution: 0.1% across all measurements
- (iv) Accuracy : +/- 3%
- (v) Operating conditions – Temperature, (minus)10 to +55 deg. C., Relative humidity, 15%-95%
- (vi) Calibration: minimum required depending on sensor type, to be specified by bidder
- (vii) Historical Logging of all alarms
- (viii) Real Time trending curve of Oxygen Purity, Pressure etc.

8. **Oxygen Product Receiver:**

- i) The oxygen receiver tank shall be of min. 22000 Ltr. capacity or as specified by Core PSA Medical Oxygen Generator service provider.
- ii) Nominal operating pressure shall be based on maximum rated pressure for tank, both to be clearly indicated. (Pressure tested to two times its normal and working pressure)
- iii) The vessel shall be designed and manufactured as per ASME Section VIII Div 1 Or Equivalent.
- iv) The Service provider shall maintain design calculations. A corrosion allowance of 1.6 mm shall be considered.
- v) The receiver vessel shall be provided with a pressure gauge, safety pressure release valve and auto drain valve.
- vi) Vertical floor mounted design equipped with pressure gauge, safety release valves.

9. Automatic change over Panel

Providing and fitting of 01 No. of automatic change over system/panel for each oxygen plant to control the supply of oxygen produced by Microprocessor based oxygen concentrator and supply the oxygen through oxygen manifold (cylinders).

If pressure drops in supply of oxygen from oxygen generator module, the system should automatically change over supply of oxygen from oxygen manifold (cylinders) and should also automatically change over from oxygen manifold (cylinders) to oxygen concentrator when the pressure increase in oxygen supply tank of oxygen generator.

The automatic change over panel shall be compatible with oxygen Plant. The Cover of Panel shall be made of SS/MS duly powder coated. Automatic Change over Panel should maintain the following:

- i. Continuous pressure
- ii. Continuous Flow
- iii. Purity of Oxygen
- iv. Power failure

10. Main Electrical Panel:

- (i) The Main electrical control Panel should be compatible with Oxygen plant and allied equipment.
- (ii) The Panel should have automatic starter, overload protection, single phase preventer, timer assemblies, emergency stop buttons and indication lamps etc. for successful operation of all the components of the Oxygen plant.
- (iii) Equipment shall be earthed in an approved manner as per I.E.E. rules and acceptable to the local authority.
- (iv) Earthing station shall be provided by the Service Provider. No medical gases pipe shall be used for electrical earthing.
- (v) Entire installation shall be done taking care to follow all safety regulations under BIS standards for electrical installation of oxygen generation plant.
- (vi) Charging of the panel to be included in the scope of work (This requires Cable laying, electrification work from the main panel and earthing works). The entire cabling from the mains to the panel should be from the mains to the panel should be from armoured cable up to 30 mtrs only.
- (vii) The control panel provided with plant should have following features as minimum:
 - LCD illuminated display.
 - Meters
 - Pressure in product tank is visual on the display. Range is adjustable
 - Prepared for oxygen purity monitoring. Range is scalable in the control panel
 - Alarms - All alarms described on the controllers display for easy and fast recovery. Alarms on air dryer and air compressor should be monitored by the controller (requires digital signals)
 - Drain Control - Automatic drain control for the air vessel to ensure proper air quality
 - Smart delivery - Intelligent delivery based on pressure and purity
 - Service indicator - The system should automatically detects when the service is needed (based on operating hours) and should display a message

11. Alarm System

- (i) Providing and fitting of Main Alarm Panel to indicate any abnormality of gas pressure and other failures of the system. Job includes providing of Medical Gas Alarm System for 01 services viz. oxygen.
- (ii) The Alarm System consists of an isolation valve box, pressure sensors, circuit plate with LED colour indicators for visual indications.
- (iii) The Gas Alarm system is sensitive to detect any pressure drop in the supply pipelines.
- (iv) The Alarm System is fitted with electronic hotter/audio siren for audio indications for high temperature, Low/High Pressure, Low oxygen concentration (<90%) , power failure, system failure, second/reserve source active, air dryer pressure dew point (>3 deg C) etc.of pressure drop.
- (v) The alarm is provided with the manual pressure gauge for indication of pressure in services. It shall have anti-microbial coating labels for touch control.
- (vi) The alarm system shall be complete with digital display, sensor module and power supply. The alarm system shall be complete with all indication controls, wirings, accessories etc as required.

12. Servo Voltage stabilizer:

Servo voltage stabilizer of suitable capacity for oxygen plant and allied equipment's with input voltage range 300V-480V & output voltage 415+1% rating 3 phase 50Hz, micro processed based digital display suitable for unbalanced/balanced supply and unbalanced/balanced load copper wound with by pass switch, MCCB, selector switches, complete in all respect with over voltage/under voltage protection, overload protection, single phasing prevention, surge suppressor.

13. Online UPS of suitable capacity:

With at least 30 min backup for PLC of the concentrator plant or as per manufacturers standards.

14. Documents to be submitted along with Technical Bid (Packet 1):

- (i) Flow line diagram/Block Schematic Diagram, colored technical manuals scanned in original of the complete oxygen plant should be provided with the tender document.
- (ii) Bidder should submit complete technical offer including Make, Model and certifications in accordance with technical specifications with Non Price BOM(Bill of Material) i.e. for each component or equipment installed with PSA Oxygen Generation Plant.
- (iii) Copies of same documents to be submitted to the Hospital at the time of handing over the Plant to the Hospital after commissioning.

15. Erection of the plant should be under the scope of the bidders (which includes masonry works required for plant erection and commissioning as per the Foundation layout.

Any work beyond the scope of Hospital and necessary for successful installation,

testing and commissioning of PSA Oxygen Plant shall be deemed to have been included within the scope of vendor with no extra cost.

16. Oxygen pipeline works (including fabrication/welding/jointing if required) from the Plant till the existing Oxygen supply system/manifold system/LMO system or 15m whichever is lower of the hospital shall be of vendor's responsibility.

17. **Warranty and CAMC:**

All the equipment's including the accessories supplied as per the technical specification should carry comprehensive warranty for a period of THREE years and Comprehensive Annual Maintenance Contract (CAMC) for a period of SEVEN years. During this period, the successful bidder shall replace all defective parts and attend to all repairs/break downs and undertake stipulated number of preventive maintenance visits to every user installation site. The cost of spare parts for all replacements has to be borne by the successful bidder during the period of comprehensive warranty and Comprehensive Annual Maintenance Contract (CAMC).

Maintenance of all the equipments for Ten (10) complete years (3 year Warranty + 7 Years CAMC) from date of commissioning of Oxygen Plant and comprise of consumable items, Consumable/lubricants, filters, UPS, Batteries for complete servicing of equipments or replacement of any spares as well which may develop defect during said period. The servicing shall be carried strictly as per maintenance schedule of OEM. The replacement of Zeolites should be included in warranty and CAMC period.

The Comprehensive Annual Maintenance Contract (CAMC) is otherwise an extended warranty. All the terms and conditions agreed by the successful bidder for executing the comprehensive warranty of the equipment shall be extended during the period of CAMC, only difference being the payment of CAMC charges is absent during the period of comprehensive warranty. Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories supplied as per Technical Specifications and it will also cover the following wherever applicable:-

- Any kind of motor.
- All kind of sensors.
- All kind of coils.
- consumable items
- Consumable/ lubricants
- filters
- UPS including the replacement of batteries.
- replacement of Zeolites

18. **Life Span:**

Minimum 15 years and certificate in this regard should be from OEM. Vendor should also certify the availability of all the parts/spares/accessories delivered with the equipment to be available for 15 years. Certification from the OEM should be produced in this respect.

19. Documentation (included, minimum in English language)

Hard and soft copies, in English language as requirement and local language as preference, of:

- life span of minimum 15 years; guaranteed by a letter from the manufacturer;
- certificate of quality, calibration and inspection;
- user manual, detailing:
 - specific protocols for operation.
 - list of equipment and procedures required for cleaning, disinfection, troubleshooting, calibration, and routine maintenance;
- service manual;
- contact details of manufacturer, and authorized distributors (if applicable), and local service agent.

20. Product labelling :

Electrical power input requirements (voltage, frequency and socket type); labelling for medical use according to standards.

21. Primary packaging:

Labelling on the primary packaging to include: name and/or trademark of the manufacturer; model or product's reference.

Information for storage conditions (temperature, pressure, light, humidity).

22. User and Maintenance training:

Manufacturer must indicate explicitly the following maintenance routines to match the dedicated staff capabilities within the health facility:

- Cleaning routines of the PSA plant considering the electrical safety precautions.
- Cleaning routines for the filters, if applicable (i.e. reusable).
- Testing of alarms.
- Testing of operating pressures.
- Testing of oxygen concentration.
- Frequency of the recommended maintenance routines.
- Safety precautions on management of oxygen.

23. Inspection and Testing after Installation:

A joint team of Hospital staff and vendor/supplier will collect the sample of oxygen output and get the sample analysis report of the PSA Oxygen Generation Plant output, from third party NABL approved Lab after commissioning & submit a copy of same signed by Hospital Authority along with the final acceptance certificate to SBI for payment.

The Pressure of the output, concentration of the oxygen, alarms and automatic change over in case of failure need to be demonstrated by the supplier and certified by the User Hospital at the time of taking hand over and during Preventive maintenance also.

24. Service Level Agreement:

- i.** Maximum time to attend any Repair call- Within 48 hours. In cases, where the down time increases beyond 48 hours the vendor would (keep arrangement ready) to make available the medical oxygen backup in shape of the oxygen cylinders to meet hospitals daily requirements failing which this requirement would be met by hospital/institution at risk and cost of the defaulting vendor.
- ii.** Frequency of visits to all User Institution concerned during Warranty/ CAMC- One visit every 3 months (4 visits in a year) or one visit after every 3000 hours of usage (whichever is earlier) for periodic/ preventive maintenance and any time for attending repairs / break down calls. Training and Capacity Building of one day has to be imparted every year after the installation, date and time to be decided on mutual agreement between the vendor and user department.
- iii.** Uptime in a year- The bidder shall ensure uptime of 95%. The bidder shall provide up-time warranty of complete equipment, the uptime being calculated on 24 (hrs) X 7 (days) basis, failing which the extension of Warranty period will be extended by double the downtime period.

Quality Certificates:

- a. Copy of ISO certification or GMP Certificate of its original equipment manufacturer.
- b. ISO 13485: 2016 certification – for design of medical systems
- c. ISO 10083/ EN ISO 7396-1/ EN 737-3 European Standards and should be in accordance with medical device directives 93/42/EEC or Medical use international standard regarding the supply of oxygen via oxygen generators for a use in medical gases distribution networks.
- d. The Medical grade oxygen concentrator/generator shall be either US FDA approved or CE or should have CE(Conformity European)/European Certificate(EC) number and a certificate that the oxygen generated complies with Medical grade standard of the OEM be uploaded.

Annexure-I

FORMAT FOR LOCAL CONTENT DECLARATION

Tender Reference No:

Date:

I _____, S/o, D/o, W/o _____,

Resident of _____ do hereby

solemnly affirms and declares as under:-

The local content is _____% (for the Equipment part) _

_____ (quoted item of M/s _____).

That I on behalf of M/s _____ will agree to abide by the terms and conditions of the Ministry of Chemicals & Fertilizers, DOP, Government of India issued vide notification no. 31026/4/2018- policy dated 01.01.2019 and DPIIT order no. P- 45021/2/2017-PP (BE-II) dt. 16.09.2020 and I hereby undertake that calculations for local content have been done in accordance with the referred order.

That the information furnished hereinafter is correct to best of my knowledge and belief and I on behalf of M/s _____ undertake to produce relevant records (whenever demanded) before the procuring entity or any authority so nominated by the Department of Pharmaceuticals/any other relevant Ministry, Government of India for the purpose of assessing the local content.

(Name of Firm/ Entity)

Authorized Signatory/ Statutory Auditor/ Chartered Accountant
(with Company Seal/Stamp)

Annexure II

MANUFACTURER'S AUTHORISATION

**To,
The State Bank of India,
Local Head Office,
Ahmedabad**

Dear Sir,

Ref: Your ET document No _____ dated _____

We _____ who are proven and reputable manufacturers of _____ (*name and description of the goods offered in the tender*) having factories at _____, hereby authorize Messrs _____ (*name and address of the agent*) to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We also state that we are not participating directly in this tender for the following reason(s):
____ (*please provide reason here*).

We further confirm that no supplier or firm or individual other than Messrs.
____ (*name and address of the above agent*) is authorized to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred ET documents for the above goods manufactured by us.

We also hereby extend our confirmation regarding full life cycle of the equipment as per tender requirement and extend full warranty, CAMC as applicable as per the terms of the tender document, read with modification, if any, for the goods and services offered for supply by the above firm against this ET document.

We also hereby confirm that we would be responsible for the satisfactory execution of contract placed on the authorized agent

We also confirm that the price quoted by our agent shall not exceed the price which we would have quoted directly”

Yours faithfully,

[Signature with date, name and designation] [Signature with date, name and designation]
for and on behalf of Messrs_____ for and on behalf of Messrs_____

[Name & address of the manufacturers] [Name & address of the bidder]

- Note:
1. This letter of authorisation should be on the letter head of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.
 2. Original letter shall be submitted at the time of signing the contract; scanned copy to be uploaded at the e-procurement site.
 3. Manufacturer is solely responsible for providing the continuing warranty, CAMC service and Contractual Obligations for the approved stipulated period.

Annexure-III

Near Relative Certificate

(In case of Proprietorship firm certificate will be given by the proprietor. For partnership firm certificate will be given by all the partners and in case of limited company by all the Directors of the company excluding Govt. of India/Financial Institutions nominees and independent non-official part time directors appointed by Govt. of India or the Governor of the state. Authorised signatory of bid may also sign this bid on behalf of the entire directors/ partners/ proprietor).

This is to certify that none of my/our Company Directors' near relative as defined below currently works in SBI where I am/we are going to apply for the tender. I/We also agree to the condition that due to any breach of conditions by the company or firm or any other related person the bid submitted on behalf of the company or firm will be cancelled and bid security will be forfeited at any stage whenever it is noticed and SBI will not pay any damage to the company or firm or the concerned person. The company or firm will also be debarred for further participation for the quoted item in SBI for a period of one year.

The near relatives for this purpose are defined as:

- (a) They are husband and wife.
- (b) The one is related to the other in the manner as father, mother, son(s) & son's wife (Daughter in law), daughter(s) and daughter's husband (son in law), brothers(s) and brother's wife, sister(s) and sister's husband (brother in law).

Signature/Signatures (with Stamp)

Sr. No.	Descriptions	Parameters Filled by Supplier/Manufacturers	Suggested Make/Brand by Vendor/Manufacturers			Origin of Machine /Parts of PSA plant.	Installation Time on Site in Days	Per month Maximum deliverable	Certification of Compliance
			Opti on ₁ -	Opti on ₂ -	Opti on ₃ -				
A	Tender for Supply, Installation and Commissioning of 500/600 LPM PSA Medical Oxygen Plants								
1	PSA (Oxygen Generator 500/600 LPM								
1.1	minimum Capacity (Nm3/h)								
1.2	Purity (%)								
1.3	Air Consumption- (Min. feed air Quality : as per ISO 8573-1.4.1) (m3/h)								
1.4	Minimum Outlet Pressure (Bar)								
1.5	Minimum Air Inlet Pressure (Bar)								
1.6	Feed Air inlet Diameter (Inch)								
1.7	Approx. Dimensions in mm (WXLH)								
1.8	Approx. Weight without O2 (KG)								
1.9	Approx. Weight with O2 (KG)								
1.10	Voltage (V-Ph-Frq.)								
1.11	Approx. Power Consumption (KW)								
1.12	Ziolite Type (Lithium based/Sodium based)								
2	Air Compressor - Screw Typy Oil Lubricated Or								
2.1	Minimum Volume (m3/h)								
2.2	Approx. Power (KW)								

Sr. No.	Descriptions	Parameters Filled by Supplier/Manufacturers	Suggested Make/Brand by Vendor/Manufacturers			Origin of Machine /Parts of PSA plant.	Installation Time on Site in Days	Per month Maximum deliverable	Certification of Compliance
2.3	Approx. Working Pressure (Bar)								
2.4	Voltage - (V-Ph-frq.)								
3	Air Receiver - Vertical Type with Integrated safety valve and manometer.								
3.1	Approx. Volume (Ltr)								
3.2	Approx. Design Pressure (Bar)								
4	Air Dryer - Refrigeration Type								
4.1	Approx. Capacity (m3/h)								
4.2	Approx. Power (KW)								
4.3	Approx. Dewpoint (°C)								
4.4	Voltage (V-Ph-frq.)								
5	Oxygen Receiver - Vertical Type with Integrated safety valve and manometer.								
5.1	Approx. Volume (Ltr)								
5.2	Approx. Design Pressure (Bar)								
5.6									
6	Line Filters								
6.1	Approx. Pre- Filter Capacity (m3/h)								
6.2	Approx. Micro Filter Capacity (m3/h)								
	Total Cost of Plant in INR								
7	Container - Plug & Play System								
7.1	Approx. Dimensions (MM) (WXLXH)								
7.2	Approx. Air Conditioner (btu)								
7.3	Power Distribution Panel								

Sr. No.	Descriptions	Parameters Filled by Supplier/Manufacturers	Suggested Make/Brand by Vendor/Manufacturers			Origin of Machine /Parts of PSA plant.	Installation Time on Site in Days	Per month Maximum deliverable	Certification of Compliance
7.4	Internal Piping & Electrical Works								
8	Skid Chassis Plug & Play system PSA								
8.1	Approx Dimensions (MM) (WXLXH)								
8.2	Power Distribution Panel								
8.3	Internal Piping & Electrical Works								

PRODUCTS INCLUDED IN THE SUPPLY OF OXYGEN GENERATOR FOR THE CAPACITY OF 500/600 LPM							
Sr.		Actual	Dimension	Weight in	Brand/Make	Origin of	Quantity
1	Oxygen Generator						
2	PLC						
3	Simatic Touch Panel						
4	Oxygen Analyzer cum Transmitter						
5	Oxygen Sensor						
6	Temperature Transmitter						
7	Pressure Transmitter						
8	Pressure Gauges						
9	Pressure Switches						
10	Rota meter						
11	Feed Air Control System						
12	Purity Control System						
13	Alarm Pack						
14	Air Compressor						
15	Air Dryer						
16	Wet Receiver						
17	Dry Air Receiver						
18	Oxygen Receiver						

19	Air Filter - Pre-line series						
20	Air Filter - Micro series						
21	Air Filter - High Efficiency series						
22	Air Filter - General series						
23	Dust Air Filter						
24	Air Filter - Activated Carbon						
25	Sterile Filter						
26	Change Over Panel						
27	Change over valves						
28	Solenoid Valves						
29	Control Valves						
30	Back pressure control valve						
31	Safety valve						
32	Non Return Valve						
33	Lithium based zeolite						
34	Refrigerated Air Dryer						
35	Sight Flow Indicator						
36	Flow Switch						
37	Copper/ SS Piping						
38	Orifice Plates Assembly						
39	Molecular Sieve Units						

Annexure-IV
(NOT TO BE FILLED)

Sl No	Description	Qty	Rate (Rs.)	Total Amount (Rs.)
1	Design, Supply, Installation, Testing and Commissioning (SITC) of PSA Medical grade Oxygen Generation Plant of 500/600 LPM capacity, 2 nos at Samras Hospital, Kutch (Gujarat) as per the detailed technical specifications given in the tender documents including 3 years Warranty.	02		
2	Charges for Comprehensive Annual Maintenance contract (CAMC) of PSA Medical grade Oxygen Generation Plant of 500/600 LPM capacity, 2 nos at Samras Hospital, Kutch (Gujarat)			
i	4 th year	02		
ii	5 th year	02		
iii	6 th year	02		
iv	7 th year	02		
v	8 th year	02		
Vi	9 th Year	02		
vii	10 th Year	02		
	Total			
	Total amount in figures			

(GST Extra)

(Note: Reverse auction will be conducted on total amount)

(Signature of the authorized person with company/firm stamp)

Date: