

BHOPAL MEMORIAL HOSPITAL & RESEARCH CENTRE
UNDER DEPARTMENT OF HEALTH RESEARCH, MINISTRY OF HEALTH & FAMILY WELFARE
GOVERNMENT OF INDIA

Raisen By Pass Road, Bhopal – 462038 (M.P.)
Phones :- + 91 755 2742212 – 16, Fax :- + 91 755 2748309
Website : www.bmhrc.org

TENDER DOCUMENT

**FOR Comprehensive Annual Maintenance Contract of Medical Gas Plant and
Central Supply Pipeline System installed at Bhopal Memorial Hospital &
Research Centre (BMHRC) - 3rd call**

BMHRC/Tender/ES/Manifold/2017-18/02 (3rd Call)

LAST DATE & TIME

SALE OF TENDER DOCUMENT	: 02-05-2017 to 22-05-2017
PRE- BID MEETING	: 09-05-2017 on 11:30 AM
BID SUBMISSION	: 23-05-2017 upto 14:00 hrs.
BID OPENING	: 23-05-2017 on 15:30 hrs.
TENDER DOCUMENT PRICE	: Rs. 500/- (Rs. Five Hundred Only)

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Bhopal Memorial Hospital & Research Centre (BMHRC)

Under Department of Health Research, Ministry of Health & Family Welfare (Government of India)
Raisen Bypass Road, Near Karond Chouraha, Bhopal- 462038 (M.P.)
Phones : 0755- 2742212-16, Fax : 2748309, Website : www.bmhrc.org

NOTICE INVITING TENDER

Sealed Tenders are invited by the Director, Bhopal Memorial Hospital & Research Centre (BMHRC), Bhopal as per terms and conditions stipulated in the tender document for "**Comprehensive Annual Maintenance Contract of Medical Gas Plant and Central Supply Pipeline System of Bhopal Memorial Hospital & Research Centre (3rd call)**".

ELIGIBILITY OF TENDERER

(I) Tenderer should have at least 3 (three) years experience in the field of maintenance of Medical Gas Plant and Central Supply Pipe Line System in a Large Hospital having at-least 200 beds.

(II) Tenderer should have an annual average turn over **Rs. 10.00 Lacs (Rs. Ten Lacs Only)** in preceding three years *i. e.* for year 2013-2014, 2014-2015 & 2015-16.

The Tender document may be obtained from BMHRC, Bhopal against submission of bank draft **Rs. 500.00 (Non refundable)** of any Commercial bank in the name of the DIRECTOR, BMHRC, Bhopal payable at Bhopal, no tender documents fee would be applicable in case if downloaded from BMHRC official website www.bmhrc.org.

EMD of **Rs.20,000/- (Rs. Twenty Thousand Only)** shall be deposited along with the tender documents & credentials otherwise tender would not be accepted. EMD amount to be submitted in the form of DD/Banker Cheque/FDR from any Commercial Bank drawn in favor of Director BMHRC payable at Bhopal.

Tender document may be obtained with effect from **02-05-2017 to 22-05-2017**. Tenderer or their Authorised representative, if so desire, may attend the **Pre-Bid meeting** (to clarify queries regarding Tender) on **09-05-2017 at 11:30 AM at Conference hall of BMHRC**. The Tender with particulars and enclosures must reach the Director, BMHRC, Bhopal up to **02:00 PM on 23-05-2017**. The Tender will be opened on **23-05-2017 at 03:30 PM**. The Tenderers or their authorized representatives, if so desire, may attend the opening of the Tender in the Conference Room, Administrative Block of the institute on the date and time mentioned above. Institute shall not be responsible for any postal delay. In case the date for opening the Tender is declared a holiday the Tender will be opened on the next working day at the same place and time. Tender received after the last date and time will be rejected.

Tenders not accompanied by documentary proof of the adequate experience and EMD shall be summarily rejected.

The Director, BMHRC, Bhopal reserves the right to accept or reject any or all the tender without assigning any reason thereof.

Note :- All subsequent corrigendum/amendment shall be published only on website and not in press. Hence, Tenderers are advised to always be in touch with our said website until the tender is finally opened.

Director, BMHRC

TENDER FOR COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT OF MEDICAL GAS PLANT AND CENTRAL SUPPLY PIPELINE SYSTEM

INSTRUCTION TO TENDERERS

1. Sealed Tender should be submitted on the original document only in the office of the Director, BMHRC, Bhopal by dropping it in tender box kept in the premises for the purpose or by Registered/Speed post only in two parts as under, failing which the tender shall be treated invalid and shall not be considered.

2. Putting up the unsealed Technical Bid and Financial Bid within the same envelope shall result in cancellation of the Tender. Financial bid will be opened only if one qualifies in the technical bid.

3. INSTRUCTIONS FOR TECHNICAL BID :

- FOLLOWING DOCUMENTS SHOULD BE ATTACHED WITH THE TENDER :

(a) Money receipt of tender fee of **Rs 500/-** or Bank Draft in the name of Director BMHRC, Bhopal in case of purchased from BMHRC.

(b) Earnest money deposit (EMD) of **Rs. 20,000.00 (Rs. Twenty Thousand Only)** only in the form of bank draft/ Bankers Cheque/ FDR of Commercial bank in the name of the Director BMHRC, Bhopal payable at Bhopal.

(c) Self attested copies of Service Tax Registration Certificate, Commercial Tax Registration and Balance Sheet of last three years i.e. for year 2013-14, 2014-15 & 2015-16 or certified copy of Turnover by Chartered Account.

(d) An undertaking on letterhead that the Tenderer has not been blacklisted during last 3 years and that there is no ongoing police case/vigilance inquiry against the Tenderer or/and its Partners/Directors of the company and he/she has never been convicted or punished by any Honorable Court of Law.

(e) The Tender must duly numbered, signed on each page of the Technical Bid including all enclosures and proofs.

(f) The Tenderer shall submit the information regarding the Tender on the format **Part-A (Annexure-II)** as a part of technical Bid.

(g) If Tenderer is partnership firm, it should be signed by Authorized Signatory.

(h) If Tenderer is Company Director of the Company who is authorized to sign the Tender on behalf of Company. Authorization letter duly signed must be submitted.

(i) The agencies registered under MSME/SSI shall be exempted for turnover as per the Govt. rule form submission of EMD/ Tender document cost as per applicable rate.

4. ELIGIBILITY OF TENDERER

(i) Tenderer should have at least 3 (three) years experience in the field of maintenance of Medical Gas Plant and Central Supply Pipe Line System in a Large Hospital having at-least 200 beds.

(ii) Tenderer should have an annual average turn over of **Rs. 10.00 Lacs (Rs. Ten Lacs Only)** in the field of maintenance of Medical Gas Plant and Central Supply Pipe Line System in preceding three years i.e. for year 2013-14, 2014-2015 & 2015-16. However the agencies registered under MSME/SSI shall be exempted for turnover as per the Govt. rule

(iii) The agency registered under make in India scheme of Govt. of India can also participate in tender and applicable relaxation would be provided under the scheme.

5 INSTRUCTIONS FOR FINANCIAL BID

(a) "Financial Bid" should contain information on the format enclosed with Tender as "**Annexure No III and IV**" in separate sealed cover. Submission of the unsealed Bid will be rejected.

(b) The Tender be clearly filled in ink legibly or type written giving full address of the Tenderer (s) and it should be quoted in figures as well as in words, the rates, and amount tendered by him/them. Cutting if any, unless legibly attested by the Tenderer (s) with their full signature shall invalidate the Tender.

- (c) The Tenderer should take care that the rates are written in words and figure in such a way that interpolation is not possible. No blank space should be left, which would otherwise make the Tender liable for rejection.
- (d) Quoting minimum rate just for acquiring the Tender will not be the only criteria for award of contract. Therefore, Tenderer should carefully assess the work before offering the rates.
- (e) Failure to fulfill any of the conditions given above shall render the Tender liable for rejection.

General Terms and Conditions

1. The Tenderer submitting his Tender would be deemed to have considered and accepted all the terms and conditions of Tender. No verbal or written enquiries shall be entertained in respect of acceptance or rejection of the Tender.
2. Any Tender received after the prescribed date and time in the notice inviting Tender will be rejected.
3. The offer shall remain valid for a period of **180 days** from the date of opening of Tender.
4. The incomplete Tender in any respect or not complying with the terms and conditions are liable to be summarily rejected.
5. The Tender must be submitted in prescribed format. The Tender not submitted in prescribed format is liable to be rejected.
6. The successful Tenderer shall have to follow all the instructions given to him/them from time to time by the competent authority or person nominated by him.
7. The successful Tenderer shall maintain a register for the routine instructions.
8. The successful Tenderer will furnish the full particulars (Brief resume) of the staff engaged by him in the gas plant within fifteen days from the commencement of work.
9. The successful Tenderer shall provide uniform and identity cards to his workers within one month from the date of commencement of work at its own cost. The worker shall always possess the identity card while at work and produce the same on demand.
10. The successful Tenderer shall be liable to pay compensation for any loss or damage caused to the property of the institute under the contract.
11. The successful Tenderer shall comply with all instructions/direction/rules and regulations of any statutory authority and discharge all obligations, imposed upon him by the statutory authorities or under any law and shall indemnify the institute and officers/employees from any claim or consequences/damages for any lapse or non compliance thereof.
12. The successful Tenderer will be responsible for any accident or mishap or death of workers engaged by the successful Tenderer and any claim made on this account will be paid by the successful Tenderer, who will also indemnify the institute from any claim in this regards.
13. The successful Tenderer and his worker shall abide by the rules and regulations of the institute as well as directions/instructions issued by the Director of institute or on his behalf by the authorities from time to time and violation of which may result in cancellation of the contract.
14. In the event of infringement of any law by any of the workers engaged by the successful Tenderer, Tenderer shall be under obligation to change the worker immediately on the instruction of the institute authorities.

15. DISPUTE :-

i). Deputy Director Finance is authorized to sign the agreemnet on behalf of BMHRC after approval and in event of any disagreement or dispute remaining unresolved, the same shall referred to the Director BMHRC for arbitration who will act as arbitrator or will appoint an arbitrator whose decision shall be final and binding on all parties.

ii). The courts of Bhopal shall have exclusive jurisdiction in all matters arising out of this Tender.

16. The workers of the successful Tenderer shall not be treated as employees of institute in any case and successful Tenderer will be solely responsible for their affairs and will be under obligation to comply with the statutory obligation. These workers will have no claim what so ever, to be treated as employees of the institute.
17. All necessary requirements under the **Explosive Act, 1884, Explosive Substances Act, 1908 and Drugs (Control) Act,1950** for the performance of the contract if required will have to be arranged by the successful Tenderer himself. The institute in no way will be responsible for any violation of these acts. In case the Tenderer has the required certificate, under the provision of said Acts he may enclose the copy of the same with the Tender.
18. The Tenderer are suggested to carefully go through the terms and conditions of the document before offering his/their rates. The Tenderer is also advised to take a round of the entire gas pipeline systems at the institute during working hours to know existing setup.
19. The successful Tenderer will have to take over the entire medical gas pipeline system including pipeline accessories and plant equipments on "**As is where is basis**".

20. PERIOD OF CONTRACT:-

The contract will be awarded for period of 2 years from the date of execution of agreement. However, initially the contract shall be for a period of Two year and renewed further on yearly basis subject to satisfactory performance report and recommendation for the same from the Head Of the Department (HOD) and the Director of the institute on the written request of the contractor three months before the expiry of the contract. The satisfaction of the institute in this regard shall be final.

The successful Tenderer will have to continue the work even after the completion of contract till the time new arrangement is made by the institute. The institute will forfeit the security deposit in the event of abandonment of contract by the Tenderer before the Two year from the date of execution of agreement.

21. TAXES AND DUTIES:-

The total value of Comprehensive AMC charges should be inclusive of all taxes except Service Tax levied by the Central Government shall be paid on actual by the institute subject to the production of documentary evidence/challan of deposit in the bank/statement of service tax account submitted to the service tax authorities against the receipts of payments received from the institute by the successful Tenderer, if the taxes will be increased/ decreased by the Govt. the same will be born by BMHRC on actual basis.

22. PLACE

The place of maintenance of the equipments will be the installation site at the institute. In the event of any major break down when repair can not be carried out at the institute the defect will be got rectified at any service center as the successful Tenderer may think proper after approval of the institute but the dismantling, packing, forwarding, transportation and insurance charges etc, if any would be borne by the successful Tenderer.

23. EARNEST MONEY (EMD)

Earnest money of **Rs.20,000/- (Rs. Twenty thousand Only)** only shall be paid in the shape of Bank Draft/ Bankers cheque/ FDR of a Commercial bank drawn in favor of the Director BMHRC, Bhopal payable at Bhopal and it should be enclosed with Technical Bid of the Tender. The earnest money will be refunded to unsuccessful bidders within three month of finalization of Tender. The EMD as stipulated in the notice may be returned back to successful Tenderer, after receipt of security deposit.

24. SECURITY DEPOSIT:-

10% of the annual contract value shall be submitted by the Successful Tenderer as security in the form of Bank Guarantee/ DD/ FDR/ Bankers cheque of any Commercial bank in favour of the Director, BMHRC, Bhopal for a period of 30 month within 15 (Fifteen) days from the date of award of contract by the institute. The institute shall be entitled to claim/adjust any due amount from the said security during or after completion of contract period.

25. PAYMENT

(a). The payment will be made on quarterly basis, subject to satisfactory performance during the completed quarter.

(b). No claim for any price escalation during contract shall be entertained.

26. SCOPE OF WORK

- I. The detail of equipment for Comprehensive Annual Maintenance Contract is given in Financial Bid (**Annexure no. III and IV**) forms.
- II. The equipments covered under the contract shall be repaired and rectified on site as and when the same is out of order. The cost of the original spares required for maintenance of equipment shall be borne by the successful Tenderer.
- III. The successful Tenderer will ensure 4 (four) nos of preventive maintenance of all the equipment and accessories as per the schedule. In case schedule for any of the equipment is not available, the maintenance work will be carried out as per the instructions of the HOD.
- IV. The successful Tenderer will attend all type of minor or major breakdown immediately.
- V. The service engineer of the successful Tenderer shall be required to enter each and every repair done in the logbook duly counter signed by HOD/In-charge Supervisor of Department.
- VI. The successful Tenderer will submit the complete list of all type of spare parts within 15 days from the date of execution of agreement and will ensure the supply of spares during tenure of contract.
- VII. The routine maintenance shall be carried out in the day shift in presence of In-charge Supervisor of Department and shall be recorded in the logbook.
- VIII. Separate logbook for each equipment shall be maintained. The logbooks shall be put up to the In-charge Supervisor of Department.
- IX. The successful Tenderer shall have to arrange at site all the necessary tools, measuring devices, plants (etc.) necessary for the repair of the equipments. Also he will maintain at site the necessary stock of spare-parts/consumables required for maintenance/repair.
- X. The complaints regarding Medical Gases from various Departments of the institute shall be recorded daily on the logbook to be maintained by the successful Tenderer.

- XI. The Tenderer will have to check all medical gas cylinders kept near by Manifold bank or available at different areas of the institute for pressure and leakage. The successful Tenderer shall immediately change the cylinder, if found defective.
- XII. The cost of all the electrical spares related to equipment and accessories including repairing of electrical motors etc. will be borne by successful Tenderer.
- XIII. The successful Tenderer will have to provide one experienced technical person in the BMHRC to maintain smooth functioning of all equipments and systems of Medical Gas Plant and Central Supply Pipe Line System.
- XIV. The successful Tenderer will have to sign agreement along-with terms & conditions on 500/- Rupees Non Judicial stamp paper as given in CAMC (**Annexure V**).

27. DUTIES OF STAFF

To attend all type of minor or major breakdown immediately. The successful Tenderer shall arrange the duties of their staff in consultation with HOD/In-charge Supervisor of Department.

The successful Tenderer shall post the following minimum manpower for work.

For medical gas supply system

Experienced technical person - 01 No. (General shift and have to attend the emergency call at any time)

(Eligibility :- ITI with 3 years of experience in the field)

Note :- Experience certificate to be certified by Tenderer.

28. DOWN TIME

1. For the purpose of calculation of down time, breakdown time shall be calculated on hourly basis.
2. Payment of Comprehensive Annual Maintenance Contract (herein after referred as "CAMC") will not be made for the period, specific equipment remains out of order for more than 48 hours in a month due to any reason.
3. The successful Tenderer shall be given total breakdown time of 48 hours for each equipment in a month. This period shall not be accumulated to next months. Also three days shall be allowed to successful Tenderer in a year for overhauling of equipment from Sl. No. 01 to 10 of financial bid (**Annexure-III**) only. The successful Tenderer shall have to plan and intimate the date for overhauling to authorities of the institute well in advance, however the responsibility for continuous functioning of plant on 24x7 hrs basis would be entirely of the contractor.
4. The successful Tenderer will have to keep spare oxygen meters, fine adjusting valves, Suction assemblies, outlet points, and regulators so as to replace immediately for the purpose of repair. The successful Tenderer shall place it back after repairs.

29. PENALTY.

1. If any EQUIPMENT remains unattended beyond 8 hours or out of order beyond 24 hours from receipt of complaint then AMC period for unit will be extended to twice time that of breakdown period.
2. Four Nos. of Preventive Maintenance Services (PMS) per year will be provided on quarterly basis i.e. Once every 90 days. If there is delay in providing PMS, the CAMC period will be extended with same period that occurred to provide PMS, so that PMS schedule is maintained as per CAMC.

3. COMPANY will ensure the presence of exclusive trained/experienced person throughout the year during working hour at Manifold plant. In case of absence of person for more than three successive working days then penalty @ Rs.500/- per day shall be imposed on contractor.

4. The penalty shall be charged as follows in case of failure of any of the following systems.

I. Any failure in the distribution pipe line outlet point, valve suction Assembly, regulator, oxygen flow Meter /F. A. Valve etc.	In case, the successful Tenderer does not replace the attachments accessory within 1 day. A penalty of Rs. 100.00 per day for first day and Rs. 200.00 for thereafter, shall be levied till the said FAILURE is remedied.
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5. The break down of stand by units (For (1) to (3) of **Annexure – III** is allowed up to 48 hrs only. Beyond 48 hrs the penalty of **Rs. 500/-** for first 24 hrs and **Rs. 1,000/-** per day there after shall be imposed on the Successful Tenderer till the stand by units are rectified.

6. If the system failure occurs due to electrical fault from BMHRC, the penalty shall not be levied.

30. STAMP DUTY:-

Stamp duty leviable on agreement to be executed between the institute and Successful Tenderer shall be borne by the successful Tenderer.

31. NOTICE PERIOD FOR ABANDONMENT OF CONTRACT:-

Either party shall be entitled to abandon the contract after serving three month notice in writing to the other party regarding abandonment of contract. However, the successful Tenderer given the contract shall have to continue the work even after expiry of the notice period of three months till an alternative arrangement is made by the institute. No compensation of claim in the event of such abandonment shall be admissible to the successful Tenderer.

32. TERMINATION OF AGREEMENT:

(I) After giving opportunity of being heard to the successful Tenderer, institute may terminate/cancel the agreement on the following grounds:-

A- Breach of any or all terms and conditions of agreement.

B- Non-performance or unsatisfactory performance of work executed by the successful Tenderer.

C- If at any time document or information furnished with Tender is found forged or fabricated during the subsistence of the contract.

(II) Notwithstanding to any provision of the contract, if the contract is terminated by the institute at the default of contractor/tenderer, and the institute has to award the work to other party on higher rate, the successful Tenderer has to compensate the difference of cost for entire remaining period of contract to the institute, liability on this account will be limited to the Performance Gaurantee.

33. SUBMISSION OF TENDER DOCUMENTS:-

TENDER FOR COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT OF MEDICAL GAS PLANT AND CENTRAL SUPPLY PIPE LINE SYSTEM shall be Separately in two parts: (1) Technical bid in envelope 'A' and (2) Financial Bid (**Annexure III and IV**) in envelope 'B' Both the parts should be sealed separately, mentioning the name of the Bid. Both the bids must be sealed together in the large envelope C, addressed to “The Director, Bhopal Memorial Hospital & Research Centre (BMHRC), Bhopal” mentioning on the top “**TENDER FOR COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT OF MEDICAL GAS PLANT AND CENTRAL SUPPLY PIPE LINE SYSTEM.**”

- 34.** The Tender with particulars and enclosures must reach the Director, BMHRC, Bhopal up to **02:00 PM on 23-05-2017.** The Tender would be opened on **23-05-2017 at 03:30 PM.** The Tenderer (s) or their authorized representatives, if they so desire, may attend the opening of the Tender in the Conference Room, Administrative Block of the institute on the date and time mentioned above. Institute shall not be responsible for any postal delay. In case the date for opening the Tender declared to be holiday, the Tender will be opened on the next working day at the same place and time. Tender received after the last date and time will be rejected.
- 35.** If the successful Tenderer fails to take the work in stipulated time as per award letter of the institute, the award letter stands canceled and EMD will be forfeited.
- 36.** Technical Bid shall be accompanied with following statement of affirmation

ACCEPTANCE

I _____ S/o _____ resident
of _____ who is
Partner/Director etc of M/s _____ have read and understood
the contents of the foregoing paragraphs with sound mind and without any pressure from any quarter. If
any documents or information furnishes with Tender is found forged or fabricated at any time, the
institute has full right to terminate the Tender/contract and forfeit my/our EMD or Security Deposit.

I am putting my signature and seal of the organization, as a token of acceptance to the above.

Date & Place:- _____
Enclosures

**Signature of Tenderer
with seal, Designation
And address**

ANNEXURE -1

SCHEDULE OF TESTING

S.N.	ITEM OF WORK	INTERVAL OF TEST IN WEEKS	
1.	AIR COMPRESSOR : 2 nos. Make – M/s Kirloskar Pneumatic Ltd: Model – TC 200 Year 1999-2000 :	Testing of delivery valve, suction valve with necessary replacement of accessories and oil leakage, loading & unloading testing, replacement of piston rings & guide rings (yearly)	26 week
	Accessories :		
1.1	Cooling Tower with fan motor: General cleaning including removal of algae and other foreign matters deposited over the fins. (Replacement of fins if required)	26 week	
1.2	After Cooler and Auto Drain Valve : Functional test every quarterly, changing of any accessories found defective	13 week	
1.3	Oil Pressure Switch : Inspection & Testing of oil pressure switches	52 week	
1.4	Water Pressure Switch : Inspection & Testing of Water Pressure Switch	52 week	
1.5	Oil Pressure Gauge : Inspection & Testing of Oil Pressure Gauge	52 week	
1.6	Air Pressure Switch : Inspection & Testing, servicing of Air Pressure Switch (Air Governor)	13 week	
1.7	Solenoid Valve : Inspection & Testing, servicing of Solenoid Valve	13 week	
1.8	N.R.V. : Functional test	26 week	
1.9	Valve Ball : Functional test	26 week	
1.10.	Motor 50 H.P.: Servicing, lubricating, Electrical & Mechanical Testing	52 week	
1.11	V Belt : Tension, alignment & physical condition checking	13 week	
1.12	Water Pressure Gauge : Inspection & Testing	52 week	
1.13	Air Receiver Tank, Air Pressure Gauge, Safety Valve: Hydraulic Testing, safety valve testing	52 week	
1.14	Line Filter: Inspection & Testing each quarterly	13 week	
1.15	Air Filter: Cleaning of Air filter with vacuum cleaner, replacement of air filter with necessary accessories	26 week	
1.16	Gate Valve & Stainer : Cleaning & functional test and replacement as per physical condition	26 week	
1.17	Drain Valve : Functional Testing	13 week	

S.N.	ITEM OF WORK	INTERVAL OF TEST IN WEEKS	
1.18	Water pipe line from cooling tower to air compressor : Physical inspection whenever any leakage detected and its rectification.	26 week	
1.19	Gaskets. 'O' Rings : Checking and replacement of any gaskets, 'O' rings which are leaking.	26 week	
2.	VACUUM PUMP: 2 nos make – M/s Ingersoll Rand Model IR 15 V, year 1999-2000	Functional Testing and replacement of piston rings with accessories.	52 week
	Accessories :		
2.1	Vacuum Reservoir Tank: Physical examination of tank		52 week
2.2	N.R.V. : Functional testing		26 week
2.3	Ball valve: Functional testing		26 week
2.4	Motor 10 HP: Functional testing		26 week
2.5	V Belt: Physical examination including alignment, tension.		26 week
2.6	Vacuum Pressure Guage: Physical examination and replacement (if required)		26 week
2.7	Auto Switch : Physical testing & inspection, replacement if required.		26 week
2.8	Bacterial Filter : Replacement of filter yearly.		52 week
2.9	Secretion Trap : Physical examination		52 week
2.10	Oil : Replacement of oil.		26 week
2.11	Gasket : Replacement of Gaskets and 'O' rings whenever necessary.		
3.	WATER PUMP :2 nos make M/s Crompton Greaves Year 1999-2000 3 hp	Functional Testing & services, replacement of glands and other accessories as & when required.	26 week
4.	Air Dryer : 01 no. make M/s ITIG Model 200 CFM Year 1999-2000	Functional Testing, leakage rectification.	26 week
	Accessories :		
4.1	Timer: Physical examination and functional testing.		26 week
4.2	Change over valve : Servicing and functional testing and replacement if necessary		52 week
4.3	Solenoid Valve: Servicing, functional testing and replacement if necessary.		52 week
4.4	Prefilter: Cleaning every six months, replacement on yearly basis.		26/52 week
4.5	After filter: Replacement every six monthly		26 week

S.N.	ITEM OF WORK	INTERVAL OF TEST IN WEEKS
4.6	Ball Valve: Functional Testing	26 week
4.7	Alumina : Replacement on yearly basis including testing	52 week
4.8	Pressure Gauge : Inspection & functional Testing, replacement if required	52 week
4.9	Drain Valve: Functional testing and replacement if necessary	52 week
4.10	Air filter station : Functional testing, quality testing and replacement if necessary	52 week
4.11	Regulator 5 Bar: Functional testing	52 week
4.12	Regulator 7 Bar: Functional testing	52 week
5	<u>ELECTRICAL CONTROL PANEL : 01 no.</u>	Prevention measures once in six months and checking
5.1	V. Meter : Functional testing	13 week
5.2	A. Meter : Functional testing	13 week
5.3	Auto change over switch : Functional testing	13 week
5.4	Timer : Functional testing	13 week
5.5	Contactora : Cleaning and functional Testing and replacement whenever required	13 week
5.6	Fuse: Replacement as and when required	As required.
5.7	Indicator Lamp: Replacement as and when required	As required.
5.8	Wiring : Physical checking, its condition if necessary replacement	26 week
6.	<u>NITROUS OXIDE MANIFOLD OF 5X5 POINTS :01 no</u> (for emergency : 1 point extra) make – M/s Drager Model Rs. 20 control panel. Year 1999-2000	Physical examination, leakage testing complete overhauling if required
6.1	Electrical Heater: Functional testing & replacement of coil as and when required	26 week
6.2	Pressure Switch : Functional testing	13 week
6.3	Pressure Gauge : Functional testing	13 week
6.4	Exhaust valve: Functional testing	13 week
6.5	Tail pipe : Physical examinations and replacement whenever required	26 week
6.6	N.R.V. : Functional testing	52 week
6.7	Emergency Control of Nitrous Oxide: Functional testing and necessary servicing	52 week

S.N.	ITEM OF WORK	INTERVAL OF TEST IN WEEKS	S.N.
7.	<u>OXYGEN MANIFOLD 18X18</u> POINTS : 01 no for emergency : 7 point out of 18 make – M/s Drager Model RS 80 control panel. Year 1999-2000	Functional testing, rectification of any leakages.	52 week
7.1	Regulator : Functional testing, rectification of any leakages.		26 week
7.2	Gauge: Functional testing		13 week
7.3	Pressure Switch: Functional testing		13 week
7.4	Tail Pipe : Physical examination and replacement if required.		13 week
7.5	Auto Change Over : Functional testing		13 week
7.6	N.R.V. : Functional testing and repairing.		13 week
7.7	Filter 'O' ring: Replacement as and when required.		
8.	<u>ENTIRE MEDICAL GASES</u> (Oxygen, vacuum, compressed air, Nitrous oxide) Central pipe line system upto terminal points : 297 vacuum, 96 compressed air, 54 nitrous oxide outlet point, 27 nos valve box with Alarm (Drager) 1 no main alarm control panel. Different size plastic saddle. Different size isolation valve. Seat 'o' ring. :	Physical examination and rectification of any leakage, replacement of 'O' rings, sheets, replacement of accessories of outlet points whenever required.	13 week
9.	137 nos ward suction unit (Drager) 4 nos ward suction unit (Indigenous) 15 nos surgical suction trolley (Drager) with probes and tube. Holder (suction unit) :	Physical examination and rectification of any leakage, replacement of 'O' rings, sheets, vacuum pressure guage & vacuum contractor replacement of accessories of outlet points whenever required	13 week

S.N.	ITEM OF WORK	INTERVAL OF TEST IN WEEKS	S.N.
10	110 nos oxygen flow meter (Drager) 8 nos oxygen flow meter twin (Drager) 34 nos oxygen flow meter (Indigenous) with probes and Humidifier Bottles. 27 nos fine Adjustable (F.A.) valve with flow meter, gauge and humidifier bottle. 2 nos oxygen Regulator double gauge. 5 nos CO ₂ Regulators double gauge.	Physical examination and rectification of any leakage, replacement of 'O' rings, sheets, replacement of accessories of outlet points whenever required.	13 week

Note: In addition to above mentioned works in schedule of testing all the equipments and their accessories as well as spare parts whenever required their maintenance/servicing/replacement shall be under the scope of CAMC for making the Manifold plant of BMHRC functional.

The power supply up to Manifold Electrical Control Panel and water supply up to the inlet of cooling tower will be under the scope of BMHRC.

TECHNICAL BID (PART-A)

Particular of the Tenderer for Comprehensive Annual Maintenance Contract of Medical Gas plant and Central Supply Pipeline System at BMHRC, Bhopal.

Sl. No.	Description	Detail	Page
1.	(a)	Name of the Tenderer	
	(b)	Type of Tenderer like Proprietor / Private Limited / Partnership etc. (enclose document)	
2.	Name of Firm		
3.	(A)	Local address	
	(B)	Permanent address (Please mention tel no Email, fax no.	
4.	Income tax return of the last 03 years (enclosed copy) along with PAN No.		<u>Yes/No.</u>
5	The Tenderer should have an annual turn over of Rs. 10.00 Lacs (Rs. Ten Lacs Only) in the field of maintenance of Medical Gas Plant and Central Supply Pipeline System. The Tenderer should enclose balance sheet for the last three years i.e. for year 2013-2014, 2014-2015 & 2015-16 duly certified by a Chartered Accountant as proof.		Yes/No._
6.	The Tenderer shall enclose the proof of having at least three years experience in the field of maintenance and operation of Medical Gas Plant and Central Supply Pipe Line System in a large Hospital at least of 200 beds.		
7.	(a)	Service tax certificate no. (enclosed copy)	Yes/No.
	(b)	Commercial Tax No.	Yes/No.
8.	Earnest money-in shape of Bank Draft Rs. 20,000.00 (Rs. Twenty Thousand Only) Date of issue Issuing bank Bank Draft No.		
9.	An undertaking on letterhead that the Tenderer has never been blacklisted.		Yes/No.
10.	An undertaking on letterhead that there is no ongoing police case / vigilance enquiry/criminal case against the Tenderer or his Partners / proprietor / Director of the company and he/she has never been convicted or punished by any Hon'ble Court of law.		Yes/No.
11.	Copy of resolutions is submitted for authorization of signatory to sign the Tender/agreement along with name and designation.		Yes/No.
12.	Details of all enclosures on letterhead		Yes/No.

NOTE: All the pages of Tender documents & its enclosures must be numbered and signed with stamp.

ACCEPTANCE

I _____ S/o of _____ resident of _____ who is _____ etc of M/s _____ have read and understood the contents of the foregoing paragraphs with sound mind and without any pressure from any quarter. If any documents or information furnished with Tender is found forged or fabricated at any time, the institute has full rights to forfeit my/our EMD or security Deposit.

I/we are also aware that the Director of the institute reserves his right to cancel our Tender in part or full without assigning any reason, what so ever, and for the same. I/we will have no right to challenge the same in any court of law.

I am putting my signature and seal of the organization, as a token of acceptance to the above.

Place: _____

Date: _____

Enclosures: Fill details

Signature of Tenderer
With seal, Designation
And address.

FINANCIAL BID PART-(A)
(A) EQUIPMENTS FOR CAMC

Tender for Comprehensive Annual Maintenance Contract of Medical Gas Plant and Central Supply Pipeline System at BMHRC, BHOPAL.

Sl. No	Detail of Equipment (Make, Model, Year of purchase)	Qty.	Amount for 1st year in words and figure	Amount for 2nd year in words and figure
1	Air Compressor Make-M/S Kirloskar Pneumatic Ltd. Model – TC 200 Year - 1999-2000	2 Nos.		
2	Vacuum Pump Make-M/S Ingersoll Rend. Model-IR 15V Year - 1999-2000	2 Nos.		
3	Water Pump Make-M/S Crompton Greaves. HP – 3 , Year :-1999-2000	2 Nos.		
4	Air Dryer Make:- M/s .ITG Model:- PC-200 Year :-1999-2000	1 No.		
5	Electric Panel	1 No.		
6	Nitrous Oxide Manifold of 5x5 point. (For Emergency :- 1 points, extra) Make-M/s Drager. Model:- RS 20. Year :-1999-2000	1 No.		
7	Oxygen manifold of 18x18 points (For Emergency :- 7 points out of 18). Make-M/s Drager. Model:- RS 80. Year :-1999-2000	1 No.		
8	Entire medical gases (Oxygen, vacuum, compressed air, nitrous oxide) central pipe line system up to terminal points inclusive of 307 oxygen, 297 vacuum, 96 compressed air, 54 nitrous oxide outlet points, 27 Nos. Valve box with Alarm (Drager), 1 No. Main Alarm Control Panel.	1 job.		

Sl. No	Detail of Equipment (Make, Model, Year of purchase)	Qty.	Amount for 1st year in words and figure	Amount for 2nd year in words and figure
9	137 Nos. Ward Suction Unit (Drager), 04 Nos. Ward Suction Unit (Indigenous), 15 Nos. Surgical Suction Trolley (Drager).	1 job.		
10	110 Nos. oxygen flow meter (Drager), 8 Nos. twin oxygen flow meter (Drager), 34 Nos. Oxygen Flowmeter (Indigenous), 27 Nos. Fine Adjustable (FA) Valve with flowmeter and gauge, 2 Nos. Double gauge oxygen regulator. 5 Nos. Co2 regulator.	1 job.		
	Total amount (in Rs.) =A			

All the taxes applicable to execute the contract are under the scope of contractor and shall be mentioned separately while submitting the Financial Bid.

Note :- Equipment details as provided by Manifold Department, BMHRC, Bhopal.

ANNEXURE-IV

FINANCIAL BID PART-(B)
B – OPERATIONAL SYSTEM

Sl.No.	Detail of System	Amount for 1 st year in words and figure	Amount for 2 nd year in words and figure
1.	Posting of one Experienced technical person (Eligibility :- ITI with 3 years of experience in the field) Note :- Experience certificate to be certified by Tenderer.		
	Total amount (in Rs.) =B		

Total Amount of (A): _____

Total Amount of (B): _____

Total Amount of (A+B): _____
in Words

Total Amount of (A+B): _____
in figure

All the taxes applicable to execute the contract are under the scope of contractor and shall be mentioned separately while submitting the Financial Bid.

I/we also declare that, I/we will abide by all the rules and regulation of BMHRC Bhopal, If awarded the Tender. I/we are also aware that the Director of the institute reserves his right to cancel our Tender in part or full without assigning any reason, what so ever, and for the same, I/we will have no right to challenge the same in any court of law.

(Signature of Tenderer)
With seal and stamp