

**U.T. Administration of Daman and Diu,
O/O Medical Superintendent,
Government Hospital, Daman**

Tender Notice No. GHD/DMN/E TENDER/MGPS/2013-2014/ 4271 Date: 11.02.2014

RE-INVITE E-TENDER (ON LINE) NOTICE

The Medical Superintendent, Government Hospital, Daman on behalf of president of India, invites tenders for following items through on –line on [http: Daman.nprocure.com](http://Daman.nprocure.com) from the manufacturer/Authorized Dealers/suppliers having valid License. The tender notice also available on www.nic.daman.in

Sr. No.	Description Items	Estimated cost	EMD (in the form of FDR	Tender fees (Non Refundable)
1	SUPPLY/ INSTALLATION/ FIXING/ COMMISSIONING of MEDICAL GAS PIPELINE SYSTEM FOR 4 NO.OF MODULAR OPERATION THEATRES AND VIP ROOM, RECOVERY ROOM IN THE O.T. BLOCK ESTABLISHED ON THE GROUND FLOOR OF THE HOSPITAL	Rs. 65,00,000/-	Rs.1,95,000/-	Rs. 5000/- (Rs. Five Thousand only)

Interested bidders should visit to see the project site & works to project site within any working day & hours.

Bid document downloading Start Date : 12.02.2014

Pre-Bid meeting

a. Date & Time : 21.02.2014, 10.00 am
b. Venue : Conference Hall
Director Medical & Health Services, PHC, Moti Daman

Presentation : 21.02.2014 at 15.00 hrs

Bid document downloading End Date : 04.03.2014, 12.00 Hrs.

Last Date & Time for Physical Tender Documents Submission : 04.03.2014, 14.00 Hrs

Last Date of submission of Online Rates : 04.03.2014, 15.30 Hrs.

Preliminary Stage Bid Opening Date (if possible) : 04.03.2014, 16.30 Hrs.

Technical Stage Bid Opening Date (if possible) : 04.03.2014, 17.00 Hrs.

Commercial/Financial Stage Bid Opening Date (if possible) : 05.03.2014 16.00 Hrs

Validity of Tender till : 31.12.2014

The bidder may download the tender online form, But the same properly filled Tender Form should be submitted after paying INR 5000/- only by D.D. to department at the time of site inspection and filling information's of Tender Bidder Information Form.

The company representative should come along with carrying their valid authority letters for submission of the same at site, duly authorized by their respective company managements, and should notify the department by signing on Tender Bidder Form duly available thereof, Without signing on Tender Bidder Information Form or submitting their respective company authorization letter their bid will not be consider.

On line opening of price Bid: on 05.03.2014 by 16.00 hours (If possible)
Bidders have to submit price bid in Electronic format only on www.nprocure.com till the last date and time for submission. Price bid in physical format shall not be accepted in any case.
Submission of tender fees in the form of DD, EMD in the form of FDR and other supporting documents i.e. copy of valid license from competent authority, copy of VAT/ST Registration and copy of PAN/TAN of income Tax etc, and terms and condition duly signed in hard copy to the undersigned by RPAD/Speed post/by hand on or before 04.03.2014 up to 14.00 hours, however, Tender Inviting authority shall not be responsible for any postal delay.
The tender inviting authority reserves the right to accept or reject any or all the tenders without assigning any reasons thereof.
Bidder shall be have to post their queries on E-mail address: tushar.dcpa@gmail.com on or before dated 20.02.2014 upto 12.00 hours.
In case bidder needs any clarification or if training required for participating in online tender, they can contact the following office. (n) Code Solution-A Division, GNFC Ltd” 403,GNFC Info Tower, Bodakdev, Ahmedabad- 380054, Gujarat (India) E-Mail ID : nprocure@ncode.in Fax +917926857321
Website:www.nprocure.com

(Dr.B.R.Chand)
Medical Superintendent
Govt. Hospital, Daman

**U.T. ADMINISTRATION OF DAMAN & DIU
O/O THE MEDICAL SUPERINDENDENT,
GOVERNMENT HOSPITAL, DEVKA BEACH ROAD, NANI DAMAN
DAMAN(UT), INDIA**

**TENDER FOR SUPPLY/
INSTALLATION/ FIXING/
COMMISIONING OF MGPS(MEDICAL
GAS PIPELINE SYSTEM) FOR 4 NO.OF
MODULAR OPERATION THEATRES
AND VIP ROOM, RECOVERY ROOM
IN THE OT BLOCK ESTABLISHED ON
THE GROUND FLOOR.**

**IN GOVERNMENT HOSPITAL,DEVKA BEACH ROAD,
NANI DAMAN
DAMAN(UT), INDIA**

LAST DATE OF SALE OF TENDER DOCUMENTS: 04.03.2014 by 12.00 hours

LAST DATE OF ONLINE UPLOADING OF TENDER : 04.03.2014 by 12.00 hours

PHYSICAL SUBMISSION DATE OF TENDER DOCUMENTS: 04.03.2014 by 14.00 hours

DATE OF TECHNICAL BID DOCUMENTS OPENING:(If possible) 04.03.2014 by 17.00 hours

DATE OF PRICE BID OPENING: (If possible) 05.03.2014 by 16.00 hours

Brief Details about project of Design, Fixing & installation, Commissioning and maintenance of MGPS(Medical Gas Pipeline System) for 4(Four) nos. of Modular Operation Theatres in Government Hospital, Devka Beach Road, Nani Daman, India, The four nos. of OTs and the VIP Room, Recovery room in the OT Block established on the ground floor of the above mentioned hospital building :

Government Hospital at Nani Daman, was started in the year pre-liberation time (before 1962) with a minimum OPD services and Indoor facility. This hospital later on equipped with enhanced OPD & Indoor Patient facilities, whereas most of the departments are equipped with modern technology & equipments. The hospital has a group of dedicated doctors, medical and paramedical staff. The Hospital consists of following facilities.

- The Hospital is having 135 bed IPD facility.
- The Hospital is having 12 bed facilities in ICU, The ICU is equipped with ventilators, Defibrillator and Multipara Monitor etc.
- Patients of CVA, AGE, IHD, RHD, Diabetic, Fever, Poisoning, Snakebite, TB, Tetanus, Rabies, Meningitis and any other epidemic or communicable diseases are treated. The IPD of hospital is having below described departments to take care of different diseases.

Medicine	Pediatric	Dental	Public Health
Surgical	Radiology	Physiotherapy	Dietetic
Orthopedic	Neonatology	Dermatology	STD & ICTC Clinic
Obstetrics & Gynecology	Ophthalmology	Psychiatry	

As ideally required, the Hospital is having a dedicated Male Surgical & Female Surgical ward just opposite to the Operation Complex, Around approximately 100 Surgeries are carried out in a month. The Hospital is having 6 Bedded Recovery Room with centralized Medical Gas Pipeline system.

Description of available Facilities

Year of Establishment time : pre-liberation

Number of Departments : 15

Number of ICU or equal department : 12

Number of Operation Theatres	: 04
Operation Theatres available for surgeries (Yes / No.)	: Yes
Number of Administration Staff	: 06
Number of Nursing/Clinical Staff	: 40
Number of Doctors	: 15
Number of Surgeon Available	: 10
Number of Anesthetists Available	: 03
Number of OT Staff/Technicians Available	: 20
Total Numbers of beds available in IPD	: 135
OPD Facility present (Yes / No)	: Yes
Major Equipments at Emergency Services are available (Yes/No)	: Yes

Reason of renovation of existing Operation Theatres

Presently the existing OTs are based on conventional technology & standards prior used in Hospitals, hence need to be equipped with modern technologies which are currently imbibe by modern super specialty hospitals all over the world in current era. The conventional structure can't deliver the expected positive results since the latest equipments need to be incorporated in the same. The Government of India itself constitutes a regulatory body with the name of National Accreditation Board for Hospitals & Healthcare Providers- "NABH", "NABH" itself recommends to implement modern technology with other required related component & equipments and the same imposed statutory need of minimal health hazards. The Modern Technology benefits all stake holders. Patients are the biggest beneficiary. The modern Medical Gas Pipeline system results in high quality of care and patient safety. The patients get services by credential medical facilities available for treatments. Patient safety & satisfaction is regularly evaluated. Implementation of modern state of art Medical Gas Pipeline system stimulates continuous improvement. It enables the hospital in demonstrating commitment to quality patient care. It raises community confidence in the health services provided by the health care organization. It also provides opportunity to healthcare unit to benchmark with the best. Finally, Operation Theatre equipped with modern technology provides an objective system of empanelment by insurance and other third parties.

(A) Scope of Work

Medical Superintendent, Government Hospital, Nani Daman, India, has invited this Tender for the Design, Fixing & installation, Commissioning and maintenance of Medical Gas Pipeline System for 4(Four) nos. of Modular Operation Theatres in Government Hospital, Devka Beach Road, Nani Daman, India, The four nos. of OTs and the VIP Room, Recovery room in the OT Block established on the ground floor of the above mentioned hospital building.

Interested Vendors are mandatorily required to submit all the required documents(except Financial/Price Bid & AMC/CMC Price, as both of these should be submit online only) complete in all respects with one original, one authenticated copies along with one soft copy in MS Word/MS Excel on a CD duly attached with tender document.

1.1 ESTIMATED COST : Rs.65 Lakhs (Rs. SIXTY FIVE LAKHS ONLY.)

1.2 EMD/SECURITY DEPOSIT MONEY(FDR/Demand Draft) from any of the Commercial Banks in an acceptable form payable at DAMAN) for the period of One years from the date of installation: Rs.1,95,000/- (Rupees One Lakh Ninety Five Thousand only in favour of "Medical Superintendent Government Hospital"

1.3 TENDER FEE : Tender Fee (Demand Draft) from any of the Commercial Banks in an acceptable form payable at DAMAN) : Rs.5000/- (Rupees Five Thousand only "Medical Superintendent Government Hospital"

1.4 COMPLETION PERIOD : total 3 months(90 days) from the date of Placement of order.

2.0 PREREQUISITE STATUS FOR APPLICANTS:

2.1 Pre-Qualification will be based on meeting all the minimum criteria for pre-qualification, Documents furnished & submitted by respective company/ firm, and other qualification criteria regarding the Applicant's work experience, personnel & equipment capabilities and financial position as demonstrated by the Applicant's responses in the forms attached to the Letter of Application.

2.2 Tendering is open to all the eligible agencies / firms having sound background and their own respective specialization in carrying out similar works of fixing, installation, manufacturing of MGPS/Modular Operation Theatre with carrying status of being not blacklisted, non indicted with having no involvement found in fraudulent practices or illegal activities in

any of the \State Government/Central Government/ Government of any Union Territory/PSU(Public Sector Undertaking) or Government Department/ Ministry or any hospital/organization of repute.

- 2.3 Annual financial turnover during the last Five consecutive financial years should be at least Rs.4 Crore(Rs.Four Crore only) only or average of Five consecutive financial years turnover will be Rs. 4 crore(Rs.Four Crore) only.

S.No. Year

1. 2008-2009
2. 2009-2010
3. 2010-2011
4. 2011-2012
5. 2012-2013

- 2.3(a) The Bidder Company should be a company registered in India as a Private Ltd or Limited company under the Indian Companies Act 1956 a copy to be attached.

- 2.3(b) The Company should have positive Net Worth and should not have incurred loss in any consecutive year in last Five years ending 31st March 2013, The balance sheets of all five consecutive years should be true notarized copy. Please note that the balance sheets should not carry a average financial turnover not less than Rs. 4 crore in five consecutive years and should not carry any financial losses,

Copy of Certified Balance sheets of all five consecutive years ending upto 31st march 2013 by chartered accountant should also be notarized by Notary, without the same, Bid will be summarily treated for disqualification.

S.No. Year

1. 2008-2009
2. 2009-2010
3. 2010-2011
4. 2011-2012
5. 2012-2013

3. Before submitting a tender, It is implied on the bidder that they will be deemed to have satisfied himself by actual physical inspection of the site and Locality of the works, that all conditions liable to be encountered during the execution of the works are taken into account and that the rates enters in the tender are adequate and all inclusive to accord with the provisions of

contract for the completion of works to the entire satisfaction of the respective authorized committee.

4. All the Applicant/Bidders are instructed to submit Technical Bid Documents along with required documents/details & Financial Bid online, whereas the physical submission needs all technical bid documents along with all required details in two sets one as "Original", second as "COPY". All the Tenderer/Bidders are instructed to attend Technical Presentation on Dt.21.02.2014 at 15.00 hrs. mandatorily. All the Tenderer/Bidders who successfully clear in evolution of both Technical Presentation & Tender Documents/Details duly submitted/furnished by them will only be considered as eligible to step ahead to enter in Financial/Price Bid in tendering process, only successful applicant/bidders can compete with tendering process, the complete tender documents can be downloaded from our mentioned website <http://www.nprocure.com>.. Any complaint/objection raised from ineligible/unsuccessful applicants/bidders will summarily be rejected and treated nullified.

5. Sealing, Marking & Submission of Tender Bid

The Tender Bid shall be submitted in accordance with the procedure detailed herein. Specified documents shall be enclosed in envelope of appropriate size each of which shall be sealed.

5.1 Envelope No. 1 : Shall contain the Bid Securities(EMD) + Tender Fee as indicated in tender documents.

5.2 Envelope No. 2 : Shall contain covering letter and the other Bid documents duly signed and notarized by notary public/gazetted officer, including the following :

5.2(a) Power of attorney of person authorized to sign the Bid duly signed and notarized by notary public/gazetted officer. In case the Bid is submitted by a joint venture, each of the partners of the joint venture to sign the Bid on their behalf and the Bid of the joint venture shall authorize the person signing the Bid to do so on their behalf.

5.2(b) Original Bid documents (all pages) duly signed and stamped & notarized by notary public/gazetted officer.

5.2 (c) Documents regarding constitution of Bidder as indicated in tender

documents duly signed and notarized by notary public/gazetted officer.

- 5.2(d) Certificate of Company Registration/Incorporation duly signed and notarized by notary public/gazetted officer.
- 5.2 (e) Authorization Letters from Principle Company / Authorized Agency/Dealer duly signed and notarized by notary public/gazetted officer.
- 5.2 (f) Project Completion Certificates with Work Orders duly signed and notarized by notary public/gazetted officer
- 5.2 (g) Project List carrying list of at least 100 projects completed duly signed and notarized by notary public/gazetted officer
- 5.2(h) Safety, Health & Environmental Policy(SHE Policy) duly signed and notarized by notary public/gazetted officer
- 5.2(i) All Annexure & Application Forms as mentioned/required in Tender duly signed and notarized by notary public/gazetted officer
- 5.2(j) Copy of Balance Sheets of all five consecutive years along with average financial turnover certificate of five consecutive years duly certified by Chartered accountant & duly signed and notarized by notary public/gazetted officer
- 5.2(k) VAT/Work contract Tax Registration Certificate duly signed and notarized by notary public/gazetted officer
- 5.2(l) Affidavit for Not Blacklisted/work rescind/indicted & not found involvement in any of fraudulent practices duly signed and notarized by notary public/gazetted officer.
- 5.2(m) Details of Litigation History with evidentiary proofs duly signed and notarized by notary public/gazetted officer
- 5.2(n) Details of Company Capabilities & Machinery duly signed and notarized by notary public/gazetted officer
- 5.2(o) Copy of Bank Solvency certificate of Rs.75 Lakhs only duly signed and notarized by notary public/gazetted officer

5.2(p) Product/Item wise Technical Specification Compliance Sheet etc. duly signed and notarized by notary public/gazetted officer

5.3 Envelope No. 3 : Shall contain only both the other envelopes i.e Envelop 1 (Security Money/Tender Fee) & Envelop 2. Technical Bid).

The Bill of Quantities and Rates/Prices/AMC/CMC Prices duly filled in anywhere in documents submitted physical in any conditions whatsoever are liable to be summarily rejected. Please note that the price should not be indicated in any of the documents enclosed in Envelope no. 1&2. Non-compliance shall entail rejection of the Bid.

6. At least 100 projects (including Government Projects + Non Government (Private Projects)) + PSU (Public Sector Undertaking Projects) of Design, Fixing & installation, Commissioning and maintenance of Medical Gas Pipeline System for 4 (Four) nos. of Modular Operation Theatres in Government Hospital, Devka Beach Road, Nani Daman, India, should be completed by the applicant company over the past 5 years with no complaints/indict/objections from client/purchaser side.

7. The applicant should have sound technical capacities to undertake the assignment and it would be preferable if the senior officials possess the relevant experience and exposure to execute works. Outsourcing of technical capability shall be deemed cancellation of the bid.

8. Process to be Confidential : After the public opening of Bids, information relating to the examination, clarification, evaluation and comparisons of Bids and recommendations concerning the Award of Contract shall not be disclosed to Bidders or other persons not officially concerned with such process.

Any effort by any of the Bidder to influence the Tender Inviting Authority/Department/ or any concerned executive involved in the process of examination, clarification, evaluation and comparison of Bids and decision concerning Award of Contract will result the rejection of the Bidder's Bid.

9. The company should be engaged in both the fields i.e 1) Modular Operation Theatres & 2) Medical Gas Pipeline System since last five years from till date the relevant evidentiary documents should be submitted; the establishment tenure of company should at least be more than 5 years.

10. The applicant company should have ISO & CE certification and having relevant experience of relevant product is eligible.

11. At least 2 projects(Two Projects) worth of Rs. 1.5 crores either of supply, installation, fixing, commissioning of MGPS(Medical Gas Pipeline System) / Modular OT, should be completed by the applicant company.
12. Any joint Venture/Consortium/Foreign Joint Venture or Consortium/Foreign Investment is not allowed, if found, will disqualify for tender process without any prior notice.
13. The applicant/bidder company should complete/done any relevant government project with similar capacity job profile without any complaint/indicted or legal case from any Government or Non government Hospital/Organization/NGO.
14. The company /organization should work or working with other state/UT governments, if YES, adequate evidentiary documents should be attached.
15. The applicant company should not impose to pay any penalty/fine in any of the known form whether monetary level or any other type.
16. The applicant company should neither be under any inquiry from vigilance nor their work should found indicted/rescind, The bidder/tenderer should not found guilty with any legal case or vigilance inquiry against them, No penalty/fine in any known form i.e. financial etc., will be imposed/levied on the applicant/bidder, it is also very clear that such bidder/applicant will be treated as ineligible and bid will be summarily rejected without any prejudice.
17. The applicant company should have exposure towards work execution of turnkey project having HVAC system with having HVAC workforce/consultant.
18. An incomplete and/or ambiguous and/or conditional and/or late response is liable to be ignored/ summarily rejected.
19. The Bidder should have an experience for similar nature work for a period of 5 years and shall submit documentary evidence of satisfactory performance of the Modular OTs & MGPS installed/manufactured/fixed by own only.
20. While submitting the sections duly filled in applicant shall enclose latest copies of brochures and technical documentation giving additional

information about the applicant. The language for submission of application shall be English only.

21. Financial data, project costs, value of works, etc. should be given in Indian Rupees only.
22. Incomplete & inappropriately filled in application are liable to be rejected
23. Costs incurred by applicant(s)/bidder in preparation and submission of information/ documents in providing clarifications or attending discussions/meetings, on site visits or due to any other reasons will not be reimbursed by Government/UT Government/Department.
24. Firm will be short-listed based on technical presentation & documents furnished for proposed services. The short listed/successful firm will be required to participate in the e-tender floated by the department. Any objection for selection process will be summarily rejected
25. The UT Administration, reserves all rights to reject any or all the Tender without assigning any reason.
26. Each page of tender documentation shall be duly signed by the applicant or their own respective authorized representative.
27. The following documents also must be submitted along with the Tender Documentation should be notarised:
 - 27.(a) List of organization available on hand (own) and proposed to be engaged for the work.
 - 27 (b) List of plant and machinery available on hand (own) and proposed to be inducted (Own and hired to be given separately) for the work.
 - 27 © List of similar nature of works completed in the last 5(five) financial years giving description of work, organization for whom executed, date of award and date actual start, completion date of contract should also be given.
 - 27 (d) List of works on hand indicating description of work of balance work yet to be done and date of award.

(B) Special Terms & Conditions/Information to Bidder/Tenderer

1. **DELIVERY & INSTLLATION:** The ordered items shall be delivered & installed and commissioning within Three Months (90 days) from the date issue of supply order.

2. **PAYMENT TERMS & SECURITY DEPOSIT:** 100% payment shall be made After successful commissioning and taking over by the consignee and after submission of following article/clause:

- a. **Certification of acceptance :** The Tender/Bidder should obtain the Certificate of Acceptance/Certificate of Project Handling Over to client, by the Medical Superintendent, Govt. Hospital and counter signed by the Director Medical Health Services, Moti Daman
- b. **Bank Guatantee:**10% Bank Guarantee as security deposit in the form of Bank Guarantee valid for 2(Two) year.

3. **PENALTY CLAUSE (for supply):** The tenderer will be bound to supply the items within the stipulated period as mentioned above, failing which the following penalty will be levied on the tenderer (deducting from the EMD/Security Deposit).

- a. **For delayed supply:-** A penalty of 0.5% of the total value of order per week will be imposed subject to a maximum of 10% of the total value of the order.
- b. **For Non-Supply:-** Security Deposit of the firm shall be forfeited followed by Blacklisting & debarking of respective Tenderer/Bidder company.

4. **SPECIAL INSTRUCTIONS:-**

- a. Prices are firm & fixed
- b. Prices accepted are FOR destination in Medical Superintendent, Government Hospital, Daman
- c. You shall furnish original manufacturers test certificate.
- d. Freight & insurance, loading / unloading and incidental expenses, installation & commissioning will be arranged by you at your own cost.

5. **COMPREHENSIVE WARRANTY:-** The following Guarantee/Warrantee Clause shall be applicable and binding on you: Comprehensive Warranty / Guarantee(Initial 5 years(60months) :- The seller declares / certify that the goods / stores / articles sold / supplied to the purchaser under this contract shall be New in all respects, are of the best quality, workmanship and shall be strictly in accordance with the specification and particulars contained/

mentioned in the contract. The contractor / seller further guarantees that the said goods / stores would continue to confirm to the given description and quality aforesaid for a period of 5 years(60 months) from the date of Installation / Commissioning of the said stores/ articles in the premises of the purchaser/ user department. The above guarantee / warrantee is notwithstanding to the fact that the purchaser may have inspected the store / article and / or not within a period of 60 months of thereafter. In case said goods/stores / articles is discovered not to confirm to the description and quality aforesaid or not giving satisfactory performance or have deteriorated at subsequent stage, the purchaser may take such action or issue such directions as deems fit to Tenderer to bring the machine in conformity with prescribed specification / to make it operational and which shall be final and binding on the contractor/ seller.

The purchaser is entitled to call upon the contractor to rectify the goods/Stores/articles or such portion of store as found to be defective by the purchaser within a reasonable period/ or such specified period as may be allowed to the contractor failing which the losses, compensation, damages etc, including the cost of repairing of such store, the contractor is having alternate choice of rectify the same existing goods/stores/articles or he can replace the goods/stores/articles with same or superior quality goods/stores/articles, if the Store/ items/ machine is repaired from open market or such damages as assessed by purchaser, which indenter would suffer due to non-operation of the said article/ instrument, shall be recovered from the tenderer and the firms/ tenderer shall be blacklisted for breach of warranty.

6. ANNUAL MAINTENANCE CONTRACT (Next 60 months after completion of Warrantee Period of 1 Year)

The Tenderer shall further commit to provide unconditional AMC (labour only) for the next 60 Months (five years) to ensure satisfactory / flawless functioning of the stores to give the desired result. The indenter shall bear only the costs of spares at the prescribed prices, in case required as necessary / essential, to keep the above equipment functional.

7. UPTIME GUARANTY: During the Warranty / Guaranty period, you shall maintain the equipment with 95% uptime. You shall give a written commitment for 95% uptime of the equipment, calculated on annual basis, with penalty equivalent to double the amount of daily cost (on total loss of revenue per day / running cost per day basis) of the unit for each day's delay in proper functioning of the unit beyond 5% down time per annum.

8. PENALTY CLAUSE:- The tenderer will be bound to get the equipments repaired within 48 hours of the receiving of the complaint from the indenting hospital failing which a penalty of @ 0.5% of the cost may be recovered from the Bank Guarantee before releasing the same after 2 years .

9. CORRECTNESS AND COMPLETENESS OF THE STORES:- The stores shall be correct and complete in every respect will all mounting fitting, fixtures , Standard, accessories which are normally supplied even through not specifically detailed to the specification.

10. RECTIFICATION CLAUSE: In the event of stores is given back to the manufacturer should ensure that the defect attended as soon as possible basis and without loss of time so that stores can be re-inspected as earliest. However, it should be noted that the manufacturer will not entitled to dispose off that stores which is given for rectification / rejecting without prior permission of the inspection.

11. INSTALLATION: The equipment shall be installed / demonstrated by you free of cost at consignee premises. You will provide 2 copies of the manual including electric circuit diagram design in free of cost along with the equipment.

12. INTIMATION OF DISPATCH: The documents should be in the name of consignee only. The information regarding shipment should be sent to the institution well in advance. Delay in submission of relevant information/ incorrect document, and any such information due to which the clearance of stores is delayed, the demurrage charges shall be to your accounts.

13. LIABILITY: Supplier's responsibility shall be up to consignee's warehouse/ premises. However, you will be responsible for any damages/ losses due to defective packing etc.

14. TRAINING: You shall provide onsite training to Medical & Technical Staff.

15. INSURANCE: You shall take cover from warehouse basis and shall keep it valid until store reach hospital at Daman leaving sufficient time for necessary installation and commissioning.

16. AMC OR CMC SERVICE AFTER EXPIRY OF PERIOD OF WARRANTY OF 1 Year: After the expiry of this period, you will enter **into A.M.C. OR C.M.C.** on mutually agreed terms & conditions for further maintenance of the whole equipment as per your tender.

17. SAFETY, HEALTH & ENVIRONMENTAL POLICY (SHE POLICY): The Tender/Bidder documents should accompanied with a SHE(Safety, Health & Environment) Policy, Organization Chart(Flow chart), Project Organization (Duties and Responsibilities), Project Control and Administration Methodology of working, Self Test and inspection Plan, non conformity and corrective Actions, Safety , monitoring mechanism.

18. INFORMATION ABOUT LITIGATION: Information regarding any litigation, current or during the last five years in which the bidder is involved, the parties concerned, disputed amount.

(C) Terms and Conditions for the Installation / Fixing / Commissioning of Medical Gas Pipeline System for 4 nos. of Modular Operation Theatres and the VIP Room, Recovery room in the OT Block established on the ground floor of the hospital building at Government Hospital, Nani Daman, Daman(UT), INDIA

- 1) The tenderer/bidder/bidder should specify the name of the manufacturer for the items quoted by him along with catalogue of the item and complete specification for the items quoted to be submitted in the Technical Bid.
- 2) The tenderer/bidder/bidder should match the quality mark certifications as given and specified in technical terms & conditions document.
- 3) The decision of the Tender Inviting Officer for acceptance/rejection of any articles supplied including the decision for quality mark certifications, standard and quality etc. as specified in technical bid document of articles shall be final.
- 4) The Tenderer/bidder/bidder should enclose EMD (in form of Demand Draft or FDR only) for Security Money of Rs.1,95,000/- (Rs. One Lakh Ninety Five Thousand only) & Tender Fee of Rs.5000/- (Rupees Five Thousand only) (in form of DD only), along with the Technical Bid of tender in form above desirable form from any of the Commercial Banks in an acceptable form payable at DAMAN in favour of Medical Superintendent, Government Hospital. The EMD and Tender Fee should not be forwarded by Cash. Tender received without Earnest Money Deposit will be summarily rejected.
- 5) (a) The successful tenderer/bidder will have to pay within 10 days from the date of demand, an amount equal to 5% of the total value of articles, which may be ordered, as the amount of security deposit.

Non receipt of Security Deposit within stipulated time will result in automatic cancellation of the order for supply without any intimation.

However in case if any articles are received for which the Security Deposit may not have been deposited, the full Security Deposit as may be due from the supplier will be recovered from the bill(s) for such articles.

- 6) The amount of Earnest Money paid by the successful Tenderer/bidder(s) will be adjusted against the amount of Security Deposit to be paid by the successful tenderer/bidder(s) as per condition No.07 above.
- 7) The tender should be neatly typed only carries the name of supplier and the signature of the tenderer/bidder. No overwriting, correction or erasures will be considered. Handwritten/Filled Tender documents will be summarily rejected,
- 8) All bills should be in TRIPLICATE and should invariably mention the number and date of supply order. All bills for amount above Rs. 5000/- should be pre-receipted on a Revenue Stamp of proper value. Bills for amount exceeding Rs. 5000/- not pre-receipted on Revenue Stamp of proper value will not be accepted for payment.
- 9) Each bill in which Sales Tax is charged must contain the following certificates on the body of the bill: “CERTIFIED” that the goods on which Sales Tax has been charged have not been exempted under the Central Sale Tax Act or the Rules made there under and the amount charged on account of Sales Tax on these goods is not more than what is payable under the provisions of relevant Act or Rules made there under”.
- 10) The Tenders shall be submitted in two-bid system, wherein the Technical bid and Commercial /Financial Bid is to be filled online in www.nprocure.com and the EMD and photocopy of the receipt of Tender Fee has to be submitted in Tender Box along with a covering letter. The envelope should be super scribing on the envelope as “Sealed Cover of Bid- for Design, Fixing & installation, Commissioning and maintenance of Medical Gas Pipeline System for 4(Four) nos. of Modular Operation Theatres and the VIP Room, Recovery room in the OT Block established on the ground floor of the hospital building in Government Hospital, Devka Beach Road, Nani Daman, India,. The EMD and Tender Fees should be enclosed with Technical BID only. The last date of submission will be 04.03.2014 up to 14.00 hours
- 11) The right to accept or reject without assigning any reasons or all tenders in part or whole is reserved with the Tender Inviting Officer and his decision(s) on all matters relating to acceptance or rejection of the tenders as a whole or in part will be final and binding to all.
- 12) The Purchase committee will open the Tenders(if possible) in presence of tenderer/bidders or their representatives, if any present in the Office of the Tender Inviting Officer. The Purchase Committee will first open the technical bid and considering the technical specification of MGPS. The Committee will open the financial bid only of those firms who are qualified for technical bid

as per specifications given by the department.

- 13) The tender should furnish separate declaration regarding the Blacklisting/Debarring to participate in the Government tender on stamp paper of Rs. 100.00. If the information provided found false the tender will be rejected and EMD shall be forfeited. The tenderer/bidder should submit an affidavit of following points about their legal status duly notarized on.
 - a) Declaration of non involvement in any litigation with any Government in India and that the tenderer/bidder is not under a declaration of ineligibility for corrupt or fraudulent practices
 - b) Declaration of not been blacklisted or debarred or expelled or deregistered by any Central / State / UT Government// Public Under Taking company/Private Company or Hospital/Nursing Home.
 - c) Declaration of no penalty/fine imposed to pay by any Central / State / UT Government / Public Under Taking company/Private Company or Hospital/Nursing Home in any of the known form i.e. monitory level or any other type.
 - d) Declaration of non-political and non-denominational organization with no affiliation to any political parties.
- 14) In case, the supplier does not execute the supply order placed with him, the EMD of the supplier will be forfeited to the Government and the contract for the supply shall terminated with no further liabilities on either party to the contract.
- 15) No separate agreement will be required to be signed by the successful tender(s) for the purpose of this contract for supply. Rates tendered/offered in response to the concerned Tender Notice shall be considered as acceptance of all above terms and conditions for supply for all legal purpose.
- 16) The tender will be accepted during working hours up to 04.03.2014 at 14.00 hours and will open on the same day if possible in the office of the Medical Superintendent, Govt. Hospital, DAMAN.

(D) Conditions of Contract :

- 1) Orders once placed should be delivered within the given time period and item should be door delivered.
- 2) No extra charge for packing, forwarding and insurance etc. will be paid on the rates quoted.
- 3) The rates should be quoted only for the items specified in the list of requirement and should be for the items of given special make/manufacture.
- 4) Rates quoted for items other than the required specification/ make/manufacture will not be considered.
- 5) The amount of Earnest Money paid by the tenderer/bidder(s) whose tenders are not accepted will be refunded to them by cheque or Demand Draft (as may be convenient to the Tender Inviting Officer if the amount is above Rs.5000/-) drawn on any branch of State of India or its subsidiary Commercial Bank. Where this mode of payment is not possible the amount will be refunded at the cost of the tenderer/bidder.
- 6) Only on satisfactory completion of the supply order for and on payment of all bills of the supplier, as to be admitted for payment, the amount of Security Deposit/Earnest Money will be refunded after expiry of guarantee/warranty period, if any, or any such date/period as may be mutually agreed upon.
- 7) The tender inviting officer will consider extension of time for remitting the Security Deposit as demanded. However, in case of denial to consider such extension the supplier is bound to abide by the limit given and liable to make good for the loss made to the Government on account of his failure to abide by the time limit.
- 8) Railway Receipt or other transport document should be drawn in the favour of Officer Inviting tender.
- 9) Railway Receipt or other transport document should not be send by VPP or through any Bank as this being a Government Office it is not possible to clear cash demands of Post Office/Bank for delivery of RR or other transport documents unless we have agreed to it as special arrangement.

- 10) The supplies, materials etc. of inferior quality standard or of different specifications, brand, manufacturer etc other than that ordered specified and/or incomplete or broken articles will not be accepted. The supplier has to replace the same at his own cost and risk. Intimation of non-acceptance of any materials etc will be sent to the supplier within 10 days from the date of receipt of the stores and the same will be returned to the supplier at his own cost and risk, if he so desires and intimates accordingly within 15 days from the date of dispatch of intimation of the non-acceptance. However, if no communication is received within 15 days from the date of communication the tender Inviting Officer will not be responsible for any damages, loss etc. of such rejected articles.
- 11) In case of failure to replace the accepted and rejected articles from the supplies made, as mentioned in the conditions the loss undergone by the Government will be recovered from the suppliers Security Deposit/Earnest Money or payment due of any bill(s) to the extend required.
- 12) In case of failure to supply the store, materials etc. ordered for, as per conditions and within the stipulated time, the name articles will be obtained from the tenderer/bidder who offered next higher rates or from any other sources, as may be decided by the tender inviting Officer and the loss to the Government on account of such purchases(s) shall be recovered from the former suppliers Security Deposit/Earnest Money or bills payable. The suppliers shall have no right to dispute with such procedure.
- 13) The successful bidder will have to supply along with installation of Medical Gas Pipeline System for Modular Operation Theatre, which are accepted by the tender inviting authority within 90 days of issuing the order. In case of failure to supply the equipment ordered for, as per conditions and within the stipulated time, the same articles will be obtained from the Tenderer/bidder who offered next higher rates or from any other sources, as may be decided by the tender inviting Officer and the loss to the Government on account of such purchases(s) shall be recovered from the former suppliers Security Deposit/Earnest Money or bills payable. The suppliers shall have no any right to dispute with such procedure.

- 14) Extension of time limit for supplies shall be considered by the Tender Inviting Officer. The extension so granted may be with levy of compensation for delay in execution of supply order up to 5% of the cost of supplies ordered for at the discretion of the authority competent to grant extension of time limit provided such request is made well in time, depending upon the circumstances and such decision in the matter will be final.
- 15) Demurrage charges paid by the Tender Inviting Officer on account of delayed receipt of dispatch documents intimation will be recovered from the bills payable to the supplier.
- 16) If at any time after the order for supply of materials the Tender Inviting Officer shall for any reason whatsoever not require the whole or part of the quantity thereof as specified in the order the Tender Inviting Officer shall give notice in writing of the fact to the supplier(s) who shall have to claim to any payment of compensation what so ever on account of any profit or advantage which the supplier(s) might have derived from the supply of articles in full, but which did not derive in consequence of the full quantity of articles not having been purchased, nor shall have any claim for compensation by reasons of any alterations having been made in the original instructions which shall invoice any curtailment of the supply originally contemplated.
- 17) The Earnest Money(s)/Security Deposit(s) paid by the tender(s) earlier against any tender(s) or supply order(s) is/are not adjustable with Earnest Money or Security Deposit required by these conditions.
- 18) The tenders/offers received do not confirm with the terms and conditions of this office will be summarily rejected. If any firm desires to consider exemption from payment of Earnest Money Deposit, certified copies of its Registration with D.G.S. & D. should be attached to their tenders.
- 19) The items as mentioned in the list are the approximate estimates invited and actual purchase may more. Accordingly the successful tenderer/bidder has no right for any loss/damages with reference to approximate requirement shown in tender and actual requirement.
- 20) Supplier may ensure the goods at his own cost to safeguard the delivery of such goods dispatched by him to the consignee; the department will not be responsible for the damages or pilferage of goods during transit.

- 21) The tenderer/bidder should attached copies of certificate of experience in both the fields of 1) Modular Operation Theatre 2) MGPS(Medical Gas Pipeline system), proof of fulfilling the norms i.e. HTM 03-01, HTM 02-01, & NFPA 99 certificates of the manufacturer, copy of dealership/authority letter (as per Annexure I) , license for import, PAN No., User list of Tender items, Catalog of the item quoted etc. with his/their tender. The tenderer/bidders shall submit along with the tender, documentary evidence of their previous experience in carry out similar supply and of their eligibility in support of their claim for consideration in the matter of award of contract
- 22) The bidder, for all equipments not manufactured by themselves directly, Authorization letter for supply for this project should be submitted by bidder for that particular equipment.
- 23) No vendor/supplier can submit two authorization letters for the same project & equipments.
- 24) The bidder should have done two similar contract worth Rs.1.5 Crore (Rs.One Crore Fifty Lakhs only) over the past Five Years.
- 25) Rates should be quoted online only on Commercial/Financial Bid Format issued by the department and as per the requirement asked for. Rates quoted are for Medical Superintendent, Govt. Hospital, DAMAN
- 26) The tenderer/bidder may be called for a Sample / demonstration of the items quoted for which he/she/they will be informed one week in advance for arranging the necessary Sample / demonstration in the hospital on a suitable date & time failing which the tender will be rejected.
- 27) The tenderer/bidders should give the guaranty/warranty for the period of not less than One year (12 months) from the date of installation against any manufacturing defect.
- 28) The price quoted in the financial bid should include 1 (One) years Warranty / Guarantee. After Complete of Warranty Period i.e. 1 (One) Year, the tenderer/bidder will have to quote the AMC & CMC Rates Separately. The Rate for AMC & CMC with details Terms & Conditions for Five Years. The discretion to accept the quotation for the item with or without A.M.C. rest with the Medical Superintendent.

- 29) As and when necessary, any employee of this institution shall be given training for the use of equipments by the supplier at their cost.
- 30) The successful tenderer/bidders should install and commissioning the hospital equipment at the site suggested by the office.
- 31) The tender document shall be duly signed by the supplier.
- 32) The Tenderer/bidder has to submit the authorization letter from the principal manufacturing company as per the format prescribed in Annexure I.
- 33) The successful tenderer/bidders shall be bound to provide training if any required without any extra charges during commissioning. The tenderer/bidders shall be bound to give assurance for undertaking the annual maintenance contract after the expiry of guarantee/warranty period.

**Signature & Designation of
Tender Inviting Officer...**

(Dr. B.R. Chand)
Medical Superintendent,
Government Hospital,
DAMAN

The above terms and conditions are accepted and are binding to me/us.

Place:	Signature of tenderer/bidder
Dated:	Name of tenderer/bidder with seal of the firm

NOTE: Please return One Copy of these terms and conditions duly signed with seal of firm along with the tender.

APPLICATION FORM NO. 1

LETTER OF APPLICATION

[NOTE : On the letterhead paper of the applicant including full postal address, telephone no., fax no., telex no. and cable address]

Date : _____

To,
Medical Superintendent,
Government Hospital,
Daman(UT)

Sirs,

1. Being duly authorized to represent and act on behalf of
(hereinafter referred to as "the Applicant") and having reviewed and fully understood all the pre-qualification information provided, the undersigned hereby apply to be pre-qualified by yourselves as a bidder for the :

Design, Fixing & installation, Commissioning and maintenance of MGPS for 4(Four) nos. of Modular Operation Theatres in Government Hospital, Devka Beach Road, Nani Daman, India

Tender Number	Client Name
-----	Govt.Hospital, Devka Beach Road, Nani Daman, Daman

2. Attached to this letter are copies of original documents defining:
 - (a) the applicants legal status
 - (b) the principal place of business
 - (c) the place of incorporation (for applicants who are corporations) or the place of registration and the nationality of the owners (for applicants who are partnerships or individually owned firms)
 - (d) application form no. 1 to 3 and Annexure i to Annexure viii.
3. Your agency and its authorized representatives are hereby authorized to conduct any inquiries or investigations to verify the statements, documents and information submitted in connection with this application, and to seek clarification from our bankers and clients regarding any financial and technical aspects. This letter of application will also serve as authorization or any individual or authorized representative or any institution referred to in the supporting information, to provide such information deemed necessary and requested by yourselves to verify statements and information provided in this application, or with regard to the resources, experience, and competence of the Applicant.

4. Your agency and its authorized representatives may contact the following persons for further information:

General, Personnel, Technical and Financial Enquiries	
Contact 1 :	Telephone 1 :
Contact 2 :	Telephone 2 :

5. This application is made in the full understanding that:

- (a) Bids by pre-qualified applicants will be subject to verification of all information submitted for pre-qualification at the time of bidding
- (b) Your agency reserves the right to :
 - amend the scope and value of the contract / bid under this project ; in such event, bids will only be called/accepted from pre-qualified bidders who meet the revised requirements ; and
 - reject or accept any application, cancel the pre-qualification process, and reject all applications without assigning reasons or incurring any liability thereof ; and
- (c) Your agency shall not be liable for any such actions and shall be under no obligation to inform the Applicant

6. The undersigned declare that statements made and the information provided in the duly completed application are, true and correct in every detail.

Sealed & Signed
Name
For and on behalf of

APPLICATION FORM NO. 2

GENERAL INFORMATION

All individual firms applying for pre- qualification are requested to complete the information in this form. Information to be provided for all owners or APPLICANTS who are partnerships or individually-owned firms.

1.	Name of firm
2	Head office address
3	Telephone Contact
4	Fax E-mail No.
5	Place of incorporation/ Year of incorporation/ registration Registration

Authorized Signatory of bidder

APPLICATION FORM NO. 3**STRUCTURE AND ORGANIZATION**

1. Name & address of the applicant
2. Telephone No. / Telex No. / Fax No.
3. Legal status of the applicant (attach copies of original document defining the legal status)
 - (a) An individual
 - (b) A proprietor firm
 - (c) A firm in partnership
 - (d) A Limited Company or Corporation.
4. Particulars of registration with various Government bodies (attach attested photocopy)
Organization /Place of registration/Registration No.
6. Name and Titles of Directors & Officers with designation to be concerned with this work.
7. Designation of individuals authorized to act for the organization
8. Was the applicant ever required to suspend the work for a period of more than six months continuously after you commenced the work? If so, give the name of the project and reasons of suspension of work.
9. Has the applicant ever abandoned the awarded work before its completion? If so, give name of the project and reasons for abandonment.
10. Has the applicant ever been debarred / black listed for tendering in any organization at any time? If so, give details.
11. Has the applicant ever been convicted by a court of law? If so, give details.
12. Any other information considered necessary but not included above.

Authorized Signatory of bidder

ANNEXURE - I

To,
Medical Superintendent,
Government Hospital,
Daman(UT)

Respected Sir,

We hereby declare that **M/s.** is our authorized distributor for our products in India from date and they are authorized to quote and follow up on our behalf and the said agreement is valid in force as on date;.

2. I/We undertake to supply the drugs / items for which the quotations of following items are submitted by on our behalf in respect of Tender Enquiry No.

<u>Sr. No.</u>	<u>Item No.</u>	<u>Name of Item</u>
01.		
02.		
03.		

3. I / We have read all the terms and conditions of the tender enquiry and the same are irrevocably binding upon us till the expiry of the contract signed & executed on our behalf;

4. I/We shall notify the Medical Superintendent, Government Hospital, Daman immediately if there is any change in the agreement between **M/s.** and us regarding authorized distributorship of our products and further undertake to supply the items quoted by the distributor on our behalf at the quoted in the tender enquiry in case of such a change of agreement.

5. This authority is applicable only for Tender Enquiry of Medical Superintendent, Government Hospital, Daman Annual E Tender for Year 2013-14 due on

Date:-

Signature of Authorized Signatory

ANNEXURE - II**PERSONNEL CAPABILITIES**

Sl. No.	Designation	Total Number	Number available for this work	Name	Qualification	Professional experience	Remarks

Authorized Signatory of bidder and stamp

ANNEXURE - III**EQUIPMENT CAPABILITIES**

Sl. No.	Name of Equipment	Nos.	Capacity or Type	Age	Condition	Remarks

Authorized Signatory of bidder and stamp

ANNEXURE – IV

FINANCIAL CAPABILITIES

(Rs. In lacs)

Financial Year	Annual Turn Over in Indian Rupees (or equivalent to Indian Rupees) as per Audited Balance Sheet
2008-2009	Rs.
2009-2010	Rs.
2010-2011	Rs.
2011-2012	Rs.
2012-2013	Rs.
Average Annual Turnover over the past five years	Rs.

Financial Information in Rs. Equivalent	For year 2008-2009	For year 2009-2010	For year 2010-2011	For year 2011-2012	For year 2012-2013
1. Total Assets					
2. Current Assets					
3. Total Liabilities					
4. Current Liabilities					
5. Profit before Tax					
6. Profit after Tax					
7. Net Worth					

NOTE : The above data is to be supported by audited balance sheets

1. Attach copies of audited balance sheets for all five years (2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013).
2. Attach recent solvency certificate from bankers of atleast of Rs. 75 Lakhs).
3. Indicate financial arrangements for carrying out the proposed work.

Authorized Signatory of bidder and stamp

ANNEXURE - V

EXPERIENCE OF COMPLETION OF PROJECTS OF SIMILAR NATURE & COMPLEXITY

(During last seven years ending last day of month previous to the one in which applications are invited)

Sl. No.	Name of work / project and location	Owner or sponsoring organization	Cost of work in Lakhs	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Name and address/ telephone number of officer to whom reference may be made	Remarks

NOTE : Please attach supporting documents (completion certificates along with order copies) for the above information

Authorized Signatory of bidder and stamp

ANNEXURE - VI

Litigation Details
Court Cases/arbitration

Name of Bidder

Year	Name of the work	Name of the Client, with Address	Title of the court Case/Arbitration	Detail of the Court/ Arbitrator	Status Pending / Decided	Disputed Amount (Current Value, the equivalent) in case of Court Cases/arbitration	Actual Awarded Amount (Rs) in decided Court Cases/arbitration

Authorized Signatory of bidder and stamp

Annexure - VII

Technical Compliance : This information to be filled in as per the following format by all the bidders for each equipment bid by them and duly signed and to be submitted along with the techno-commercial/ Financial bid:

Item Ref. (1)	Tender Specifications (2)	Compliance of parameter/ specification (3)	Non-Compliance of parameter/ specification (4)	Remarks for Sr.No.(4) (5)

The information given above is factual & based on product specification details as per the latest catalogues/ product data sheets and technical literature enclosed.

Signature of the bidder & seal:

ANNEXURE-VIII
Check-List

S.No	Criteria	Requirements	Cross Referencing / Page no. at which required information is available (To be mentioned)	Indicate Eligibility Y / N
1	Balance Sheet showing Financial Turnover along with certificate for average turnover last five years	Balance Sheet showing Financial Turnover along with certificate for average turnover of Rs. 4 crore for five consecutive years ending to 31 st March 2013		
2	Experience	During last five years		
3	Personnel Capabilities	List of suitable qualified and experienced personnel in relevant field		
4	Equipment Capabilities	List of equipment required and proposed to be deployed & source of such equipments		
5	Financial Capability	Company should have positive Net Worth and should not have incurred loss in any of the consecutive year during in last Five years ending 31 st March 2013 carrying average turnover of Rs.4 crore only duly certified by the Chartered Account.		
6	Solvency Certificate	Solvency certificate for Rs. 75 Lakhs only from applicant's bank for not older then 1 year		
7.	Litigation History	As per Annexure-V		
8.	Abandoning / Blacklisting	Affidavit as the participant company not abandoned /Black listed/Indicted for any work of Union Govt./State Govt./ PSU's etc. during last 5 years on non judicial stamp paper.		
9.	Works Contract Tax/VAT Registration with the appropriate Authorities.	In case the firm is not registered at the time of submission of bid, a declaration by the firm that they will get themselves registered with the concerned authorities in case they are awarded the work is submitted.		
10	Item wise Technical Compliance Statement Wrt Technical Specification as published in Tender Documents	As per Annexure – VI		

Civil work & plumbing work will be finished by Department as suggested and mutually agreed with Govt.Hospital – Daman authorities.

Authorized Signature of Bidder with stamp

MEDICAL GAS PIPELINE SYSTEM (MGPS)

TECHNICAL SPECIFICATIONS

Sr.No.	Description
1	<p><u>DISTRIBUTION COPPER PIPEING</u></p> <p><u>Installation:</u></p> <p>Installation of piping should be carried out as per international standards with utmost cleanliness. Only pipes, fittings and valves which have been degreased as per International standards should be used. Pipe fixing clamps for up-to 28 mm diameters. Pipes should be non ferrous suitable for the diameter of the pipe. For the pipes of the sized above 28mm rigid metallic hanging or cemented supports to be used.</p> <p>The main lines to the building to be taken overhead through metallic poles or through underground ducts with inspection removable slabs, All pipe joints should be made using inert gas flux less brazing method. All joints should be of copper to copper and should be brazed by silver brazing filler material without flux while being brazed joints shall be continuously purged with oil free dry nitrogen to prevent the formation of copper oxide on the inside surface of the joint. All pipes should be installed without springing or forcing. All pipes should be protected against mechanical injury in a manner satisfactory to authorities having jurisdiction.</p> <p>Test: After erection, all the new pipes cleaned or purged with the help of dry nitrogen gas. Complete system should be tested with dry nitrogen at 2 times of working pressure for 24 hours.</p> <p>Painting: All existing and proposed exposed pipes/should be painted with two coats of Synthetic enamel paint & color codification as per international standards. All concealed pipes to have gas identification bands (labels at appropriate distance. Similarly all pipes which need embedding in the wall should be tested/painted/labeled and properly insulated.</p> <p>Certification: To be certified that pipes are suitable for the particular service and complete cross connection (anti-confusion) test should be carried out.</p> <p>Distribution piping system:</p> <p><u>Material (Pipe):</u></p> <p>Solid drawn, seamless, deoxidized, non arsenical, half hard, tempered and degreased materials conforming to BS: EN 13348 Medical Grade Pipe</p> <p>All copper pipes should be inspected and certified by TUV Register of services for medical use before dispatch and the pipe should be delivered plugged or capped at both ends.</p> <p>Pipe sizes to be used as under:</p> <ol style="list-style-type: none"> 42 mm OD X 1.2mm thk 28 mm OD X 1.00mm thk 22 mm OD X 1.00mm thk 15 mm OD X 1.00mm thk 12 mm OD X 1.00mm thk

	Fittings should be made of copper conforming to BS 864 and suitable for a steam of working pressure of 35 bar and especially made for brazed socket type connections.
2	<p><u>GAS OUTLET POINTS (Imported)</u></p> <p>As Per NFPA 99 latest edition</p> <p>2.1 TERMINAL / GAS OUTLETS</p> <ul style="list-style-type: none"> a) Oxygen b) Vacuum c) Air d) N2O <p>Surface mount, non interchangeable, self sealing outlets, outlets will consist of a roughing in assembly and a finishing assembly. A non removable positive- pin keying arrangement for each specific gas service installed in the mounting box a fully assembled brass secondary check valve.</p> <p>Design of outlet will be such that It will have the feature to accept probe & push button mechanism for quick release of adaptor. The secondary check valve automatically will form a positive seal to prevent a gas flow when the finishing assembly is removed. The secondary check valve to include 7" (17.78cm) of 1/2" Type K copper tubing with a label affixed which identifies the specific gas by name and color. A plastic cap inserted at the end of the inlet tube. Rotation of the inlet tube will allow gas connection from the top or bottom. The finishing assembly will consists of a die cast chrome plated cover plate, machined brass housing for the primary check valve, and a positive —pin keying device to prevent accidental installation into a roughing in assembly of a dismal gas. The finishing assembly incorporates a double seal arrangement which automatically engages when a hose adapter or patient treatment device is removed from the outlet.</p> <p>The finishing assembly will have a color coded (specific gas) keying disc to prevent connection of hose adapters or patient treatment device to the wrong gas service. The primary check allows absolutely no gas flow to take place until the keying devices are engaged. It will be manufactured in accordance with all applicable NFPA and CGA standards. The locking device will be in the probe instead of gas outlet Matching probe for outlets — Imported as per NFPA -99 UL Listed Matching probes to the gas outlet mentioned above. That is adapter for Oxygen N2o, Air & vacuum / WAGD. Each adapter will have suitable barb or threads so that It can be connected to tube or flow meter/suction regulator. Adapter will have clear gas service embossed on it.</p>

	<p>(E) MATCHING PROBE / ADOPTERS FOR. GAS OUTLETS (Imported) As Per NFPA99 latest edition One end of matching probes shall be suitable for Medical Gas Outlet point & other end shall be suitable for hose. The probes should comply with NFPA 99 & UL listed. Suitable for Oxygen, Nitrous Oxide, Compressed air 4 bar, compressed air 7 bar, 0155 connection, vacuum</p>
3	<p>AREA VALVE SERVICE UNIT <u>Model no of valve box</u></p> <p>The valve boxes would be made of Zinc coated Mild Steel and shall be powder coated for housing area/zonal valves. The valve box would be lockable having glass cover.</p> <p>a) 2 SERVICES b) 3 SERVICES c) 4 SERVICES d) 5 SERVICES</p> <p>Zone valve boxes should be constructed of 18 gauge sheet steel with air dried lacquer finish. The cover frame should be made of anodized aluminum and attached to the box by concealed 1-1/2 (38 mm) screws. The finished assembly should be substantially dust-tight. The frame assembly should be capable of adjusting for variances in wall thickness up to 1". The front assembly should contain an easily removable cover window with pull ring. The window should conceal exposed piping and valves inside the box and should be labeled "Caution- Medical Gs Shut —OFF Valves- Close Only in Emergency". Clear viewing space should be provided in the window to display the gas service, the area controlled by the valve, and pressure gauges on units so equipped.</p>
4	<p><u>MEDICAL GAS AREA ALARM</u></p> <p>a) 2 SERVICES b) 3 SERVICES c) 4 SERVICES d) 5 SERVICES</p> <p>To provide audio visual, close circuit MICROPROCESSOR based self monitoring type Master Alarm with following indications:</p> <p>Oxygen : High/Low/Normal Nitrous Oxide : High/Low/Normal Comp. Air : High/Low/Normal Vacuum : Low/Normal</p> <p>The panels shall have inscribed luminous facias with flasher and alarm</p>

	<p>complete with flush cancel, alarm mute, fault reset and lamp-test buttons. All lamps shall be long-life LED type with perspex facias with approved inscriptions. The microprocessor based alarm annunciator is equipped with solid state plug in type circuit board and an integral step down transformer. The LRF indicator fitted within the annunciator are rated for more than one lakh hours. The alarm will be complete in all respect fitted with remote sensing switches.</p> <p>The alarm system offered by us is equipped with microprocessor chip and the alarm annunciator.</p>
5	<p><u>OXYGEN SYSTEM</u></p> <p><u>Fully Automatic Oxygen Gas Control System</u></p> <p>a) Fully automatic in operation capable of providing flow in excess of 1000 LPM and requiring no action, Automatic Control Panel is pneumatically operated by the service gas and needs no electrical supply to operate. It will continue to function therefore, should there be a failure in the electricity supply. It takes on automatically from the empty cylinder bank to filled cylinder bank.</p> <p>b) The panel is enclosed in a metal cabinet with a hinged front cover. The cover is fitted with a lock to prevent unauthorized access, and can be swung open for maintenance.</p> <p>A visual indication of the state of the manifold is provided by 3 gauges within the control panel, clearly visible through the transparent cover, these gauges indicate the pressure of the right</p> <p>a) and left hand banks, and the supply pressure from the control panel to the distribution system.</p> <p>b) The panel is supplied with sensing facilities to provide visual signals and other ancillary services such as heaters. A heater block is fitted to the inlet pipes for Nitrous Oxide.</p> <p>c) In addition the panel is fitted with audio alarm indication for changeover of empty cylinder bank to filled cylinder bank.</p> <p>The entire manifold will be hydraulically tested at 225 Kg/Cm² pressure, duly degreased for Nitrous Oxide service, and supplied in sealed cover, ready for assembly at site.</p> <p><u>NOTE:</u> The above referred system does not compromise the supply of cylinders, which are to be separately arranged by the customer.</p>

6	<p><u>Oxygen Manifold 6+6</u></p> <p>The Modular Manifold system should comprise of extendable bank's of 18+ 18 cylinders. High pressure copper pipes of size 1/2" ID x 15 swg & High pressure brass fitting made of high tensile brass shall be used. Flexible copper tail pipes with bull nose RH threads should be used to connect the gas cylinders to the header assemblies with non return valves, high pressure flexible tail pipes should be made of Copper pipe of ID 1/4" x 15 swg the manifold should be tested hydraulically at 225 Kg/ cm2 pressure. it should be degreased for oxygen service and should be supplied duly wrapped in a polythene bag.</p>
7	<p><u>Emergency Oxygen System 2 + 2</u></p> <p>The Modular Manifold system should comprise of extendable bank's of 12 cylinders. High pressure copper pipes of size 1/2" ID x 15 swg & High pressure brass fitting made of high tensile brass Should be used. Flexible copper tail pipes with bul nose RH threads should be used to connect the gas cylinders to the header assemblies with non return valves, isolation valve & Manual regulator. high pressure flexible tail pipes shall be made of copper pipe of ID 1/4 " x 15 swg. The manifold should be tested hydraulically at 225 Kg / cm2 pressure. it should be degreased for oxygen service and should be supplied duly wrapped in a polythene bag.</p>
8	<p><u>OXYGEN FLOWMETER & HUMIDIFIER</u></p> <p>Back pressure compensated oxygen flowmeter (0 to 15 lpm) attached with humidifier bottle. Flowmeter made of Lexan Shroud and humidifier bottle made of polycarbonate. Both unbreakable and autoclavable.</p>
9	<p><u>NITROUS OXIDE SYSTEM</u></p> <p><u>Fully Automatic Nitrous Oxide Gas Control System</u></p> <p>Same as above at sl.no.5 (a) to (e) including provision of heating system for raising the temperature for Nitrous Oxide.</p>
10	<p><u>Nitrous Oxide Manifold 2+2</u></p> <p>The Modular Manifold system should comprise of extendable bank's of 5+5 = 10 cylinders. High pressure copper pipes of size 1/2" ID x 15 swg & High pressure brass fitting made of high tensile brass shall be used. Flexible copper tail pipes with bul nose RH threads should be used to connect the gas cylinders to the header assemblies with non return valves, high pressure flexible tail pipes should be made of copper pipe of ID 1/4 "x 15 swg the manifold should be tested hydraulically at 225 1(9)/ cm2 pressure. it should be degreased for oxygen service and should be supplied duly wrapped In a polythene bag.</p>
11	<p><u>N2O Emergency Cylinder System 1+1</u></p> <p>The Modular Manifold system should comprise of extendable bank's of 6 cylinders. High pressure copper pipes of size 1 /2' ID x 15 swg & High pressure.' brass fitting made of high tensile brass should be used. Flexible copper tail pipes with bull nose RH threads should be used to connect the gas cylinders to the header assemblies with non return valves, isolation valve & Manual regulator. high pressure flexible tail pipes shall be made of copper pipe of ID 1/4 " x 15 swg. The manifold should be tested hydraulically at 225 Kg/ cm2 pressure. It should be degreased for oxygen service and should be supplied duly wrapped in a polythene bag.</p>

12

COMPRESSED AIR SYSTEM**12.1) SPECIFICATION OF AIR PUMPS**

The Medical Compressed Air System should consist of 2 nos. Air Compressors with Electric Motor,

Electrical Switch Gear and Automatic Control System, Air Receiver, No-heat Air Dryer, Pressure Regulator-cum —filter, interconnecting piping with necessary valves and fittings thereof.

Specifications:

Air Compressor	2(two) Nos.
Make	Anestiwata Motherson Ltd.
Model	BFT 150-C9(2 compressors placed/Joined on each base frame)
Type	Non-lubricated / Oil-free
Capacity	57.18 cfm at 8.5 kg/cm ²
Cooling	Air cooled Drive.
Electric Motor	2(two) Nos.
Capacity	15 HP + 10HP.
Drive	Belt drive
Electricity supply	440 volt, 50 Hz. 3 phase
Starter	Star/Delta Control & <i>Switchgear</i> L & T with overload protection.
Air Receiver	2000 ltrs.
Air Dryer	57.18 cfm
Filters	Ultra filters

12.2) Compressed air filtration system:

One set of 4 — stage filter

The filters should be made of die cast aluminums housing with epoxy power paint on the outside and anodized surface treatment inside to prevent corrosion and ensure extra long life.

The filters should have maximum contaminant removal efficiency with minimum pressure drop. Total 4-stage of filters should be used (stage 1 & 2 should be Installed before the basic cant dryer and balance two stages after it as mentioned below:

Stage 1 : coalescing filters for general-purpose protection, removing liquid water and oil aerosol to 0.1 mg/cum. (0.1 pm) and particles down to 1 micron.

Stage 2: particular filter for dust protection, removing particles down to 1 micron.

Stage 3: high efficiency coalescing filters, removing liquid water and oil aerosol to 0.01 mg/cu.m. (0.01 pip) and particles down to 0.01 micron.

	<p>Stage 4 : active carbon filter for removal of oil vapors and hydrocarbon odors with maximum remaining oil content of 0.003 mg/cum. (0.003 pip) should be installed after stage 3 filter.</p> <p>The filters should have following additional features: Audible alarm to give warning when dismantling attempted under pressure Sight glass to allow visual check of liquid collection and drain operation.</p>																		
13	<p><u>VACCUM Pump</u> Vacuum Pump Model no V255 Make Ingersoll Rand, Single stage, capacity 4235 lpm/l49cftri(piston displacement). Each pump should be suited for maximum working pressure of 29 Inch mercury (730 mm mercury) Each pump should be fitted with MS channel frame complete having vibration isolators with 2 Nos. silencers at vacuum pump discharge end. The pump should be air cooled.2 sets of isolation valve, on return valve and filter should be provided with pumps the system should be expandable to receive one additional pump in future.</p> <p>Drive Assembly The electrical drive for vacuum pump should consist of suitable TEFC Induction motor operating at 750 RPM and connected through a V-belt, the motor should be suited for 415 V+10% 50 HZ.3 Phase AC Supply. Capacity: 5 HP, make-Crompton Grease / Kirloskar</p> <p>Vacuum Receiver 1 No vacuum receiver of 2000 liters capacity The reservoir should be fabricated from Ms plates as per IS:226 and manufactured as per IS: 2825.The reservoir should be supplied with safety valve, pressure gauge and drain valve etc .manufacturer's test certificate to be provided.</p> <p>Vacuum Switch Vacuum switch of 0-760 mm range should be provided, it should have both NO/NC contacts and suitable for 230 V 50 Hz.AC supply. The vacuum switch should be housed in weather proof casing with 3/8"BSP gas service connection at the bottom of the assembly.</p> <p>Vacuum Filter 2 Nos vacuum filters with drain valve. This filter should be non-ferrous and online. The discharge to atmosphere should be thru microbe filter cartridge, and suitable capacity bacteria filter & secretion trap</p> <p>The SCFM (Free Air) delivery calculation of system offered against total requirement of the plant 298 SCFM</p> <table> <tr> <th>System offer</th><th>H.P.</th><th>No of Pump Each Pump</th><th>Delivery of each pump@ 19" Hg</th><th>Total Delivery at</th></tr> <tr> <td colspan="5">19"H9</td></tr> <tr> <td>V255 PUMP</td><td>5</td><td>2</td><td>60 cfm</td><td></td></tr> </table>				System offer	H.P.	No of Pump Each Pump	Delivery of each pump@ 19" Hg	Total Delivery at	19"H9					V255 PUMP	5	2	60 cfm	
System offer	H.P.	No of Pump Each Pump	Delivery of each pump@ 19" Hg	Total Delivery at															
19"H9																			
V255 PUMP	5	2	60 cfm																

14	<p><u>WARD VACCUM UNIT</u></p> <p>Consisting of one no. Suction Regulator connected with 2000 CC / 1000 CC / 600 CC pot of collection. The jar and the lid are made of polycarbonate which are autoclavable and unbreakable. The jar is fitted with an overflow safety trap & the regulator fitted with an ON/OFF valve and a knob to regulate the online suction.</p>																
15	<p><u>THEATRE VACCUM UNIT</u></p> <p>It is equipped with two polycarbonate jars of 2000 CC each having lid and float assembly. Mounted on a dormodule type trolley fitted with free running castors. It would be fitted with a vacuum regulator, gauge and overflow safety trap and a three way valve to control the suction either in left jar/right jar/both the jars.</p>																
16	<p><u>HIGE PRESSURE TUBE</u></p> <p>It should be as per ISO standard, antistatic and colour coded rubber tube white for oxygen, blue for (nitrous oxide, black for compressed air and yellow for vacuum, And low pressure tubes for Vacuum application.</p>																
17	<p><u>Line Pressure Alarm Panel for Medical Gas Piping System:</u></p> <p>The microprocessor based audio-visual area alarm panel are closed circuit, self monitoring and self contained type and design to monitor the following indications:</p> <table><tr><td>Oxygen</td><td>: Low</td><td>)</td><td></td></tr><tr><td>Nitrous Oxide</td><td>: Low</td><td>)</td><td>AAP-1</td></tr><tr><td>Vacuum</td><td>: Low</td><td>)</td><td></td></tr><tr><td>Compressed Air</td><td>: Low</td><td>)</td><td></td></tr></table> <p>The alarm system assembly offered by us consist of proper sensing device to sense the condition of the system pressure.</p> <p>The panels shall have inscribed lumininous facias with flasher and alarm complete with flush-cancel, alarm-mute, fault reset and lamp test buttons. All lamps shall be long life LED type with perspex facias with approved incriptions. The microprocessor based alarm annunciator is equipped with solid state plug in type circuit board and an integral step down transformer. The LED indicator fitted integral step down transformer. The LED indicator fitted within the annunciator are rated for more than one lakh hours. The alarm offered by us will be complete in all respect fitted with remote sensing switches.</p>	Oxygen	: Low)		Nitrous Oxide	: Low)	AAP-1	Vacuum	: Low)		Compressed Air	: Low)	
Oxygen	: Low)															
Nitrous Oxide	: Low)	AAP-1														
Vacuum	: Low)															
Compressed Air	: Low)															

	<p>The alarm system offered by us is equipped with microprocessor chip manufactured and imported from NEC/Motorola/Intel. The alarm annunciator offered by us are manufactured by Minilec certified ISO-9000 and besides being used in number of process industry in India these alarm systems are also being exported.</p> <p>All AAP's will be self contained low voltage with its own transformer, pressure sensors etc.</p>
18	<p>ELECTRICAL CONTROL PANEL DUPLEX & CASCADE SYSTEM FOR COMPRESSOR & VACUUM PUMP</p> <p>Electrical control panel is made of MS Sheet having thickness 16 SWG and should be epoxy powder coated. The electrical control panel would be equipped with auto manual selector, 2 nos. Star-Delta starters each compatible to 15 HP motors for compressors and 2 nos. DOL starters compatible to 7.5 HP each electric motor for Vacuum pumps.</p> <p>The electrical control panel would be further equipped for <u>duplex/cascade</u> system for vacuum pumps & Air Compressors and also be equipped with safety equipment for the air compressors. Safety equipment for air compressors would include temperature controller, temperature indicator.</p>
19	<p><u>HEAD PANELS - HORIZONTAL</u></p> <p>It should provide a safe efficient means of delivering services to patients staff in both general and special care applications, it is modular design made of horizontal aluminum extrusions, and ability to house medical gas terminal units and electrical socket smooth curved surfaces, no visible screws and choice of colored decor stripe, ease of installation via separate rail-bracket or wall mounting plates, easy removal of covers for maintenance and pipeline connection, with integral twin medical rail as part of the modular extrusion design. It has segregation of services i.e. extra low voltage, normal voltage and medical gases should be maintained throughout.</p> <p>It should have provision for nurse call, data or monitoring sockets, should be made at the point of manufacture It should be supplied, duly pre piped, prewired and fully tested or In carcass form.</p> <p>Each Horizontal Bed Head Panel shall be having a provision of (as per outlet distribution list)</p> <ul style="list-style-type: none"> - two oxygen outlet - two Vacuum outlets - one medical Air 4 outlet - four multipin 5-15 Amps switch socket outlet combine

BILL OF QUANTITIES CUM
COMMERCIAL/ FINANCIAL BID

MEDICAL GAS PIPE LINE SYSTEM

Sr. No.	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
1	MEDICAL GAS PIPE LINE Supply, Installation of Copper Piping as per technical specification (MAXFLOW) BS: EN 13348				
	a) 42mm ODX 1.2mm thick	Rm	30		
	b) 28mm ODX 1.0mm thick	Rm	100		
	c) 22mm ODX 1.0mm thick	Rm	250		
	d) 15mm ODX 1.0mm thick	Rm	250		
	e) 12mm ODX 1.0mm thick	Rm	100		
2	<i>Supply, Installation, of Gas outlet points (IMPORTED)</i> <i>Terminal / Gas Outlets for Oxygen, Nitrous Oxide, Air, & Vacuum system as per technical specification) - As Per NFPA 99 IMPORTED</i>				
	A) for Oxygen	NOS.	25		
	B) For Vacuum	NOS.	5		
	C) for Compressed Air (4 Bar)	NOS.	25		
	D) for Nitrous Oxide	NOS.	25		
	<i>E) Matching Probe / Adapters for Gas Outlets As per NFPA 99 IMPORED</i>	Nos	80		
3	Supply, Installation, of Area Valve Service Units as per Technical Specification As Per NFPA 99 - Imported				
	(a) 2 Gas Services	NOS.	2		
	(b) 3 Gas Services	NOS.	2		

	(c) 4 Gas Services	NOS.	2		
	(d) 5 Gas Services	NOS.	2		
4	Supply, Installation, of Medical Gas Alarm Panel as per specifications.				
	(a) 2 Gas Service	NOS.	2		
	(b) 3 Gas Service	NOS.	2		
	(c) 4 Gas Services	NOS.	2		
	(d) 5 Gas Service	NOS.	2		
5	Supply, Installation of Fully Automatic Oxygen Control System for Oxygen as technical specifications. (HTM02-01) STANDARED	Set	1		
6	Supply, Installation, Oxygen Manifold (6+ 6) as per technical specifications. The cylinders shall not be included in the quoted price.	Set	1		
7	Supply, Installation, testing and commissioning of 2+2 cylinder Emergency Oxygen Supply System as per technical specifications. The cylinders shall not be included in the quoted price.	Set	1		
8	Supply installation, of Oxygen flow meter with humidifier bottle 0-15Litres	Each	25		
9	Supply installation fully automatic Gas Control Panel for Nitrous Oxide as per technical specifications.	Set	1		
10	Supply installation of Nitrous Oxide Manifold (2+2) as per technical specifications. The cylinder shall not be included on the quoted price.	Set	1		
11	supply installation, of 1+1 cylinder Emergency Nitrous Oxide supply System as per technical specifications. The cylinder shall not be included in the quoted price.	Set	1		
12	COMPRESSED AIR SYSTEM				
12.1	Supply, installation, of <i>Compressors Air system of Air Pumps</i> as per technical specifications.	Set	1		
12.2	supply, installation, of <i>Compressed Air Filtration System</i> One Set of 4 –	Set	1		

	Stage Filter as per technical Specification				
13	Supply installation of Medical vacuum Pump for plant as per technical specifications	Set	1		
14	Supply installation testing and commissioning of High Vac Ward Vacuum unit with above 1/2 gallon suction collection jar as per specifications and CE marked	NOS.	25		
15	Supply installation, testing and commissioning of Theatre Vacuum Unit with 2 Nos. 1 gallon Jars as per tender specifications	NOS.	4		
16	supply installation of High Pressure Tube as per tender specifications	Mtrs	90		
17	Supply installation of Line Pressure Alarm Panel as per tender specifications	NOS.	1		
18	Supply installation of Electrical Control Panel Duplex & Cascade as per tender specifications	NOS.	1		
19	Supply installation of Bed Head Panel as per tender specifications	NOS.	14		

AMC / CMC PRICE BID

Sr. No.	Description	Rate
01	Annual Maintenance Contract for MEDICAL GAS PIPELINE SYSTEM for 4 Nos. of MODULAR OPERATION THEATER and the VIP Room, Recovery room in the OT Block established on the ground floor of the hospital building Project After expiry of 1 Year Warranty.	
	1 ST Year	
	2 ND Year	
	3 RD Year	
	4 TH Year	
	5 TH Year	
02	Comprehensive Maintenance Contract for MEDICAL GAS PIPELINE SYSTEM FOR 4 NOS. OF MODULAR OPERATION THEATER and the VIP Room, Recovery room in the OT Block established on the ground floor of the hospital building Project After expiry of 1 Year Warranty	
	1 ST Year	
	2 ND Year	
	3 RD Year	
	4 TH Year	
	5 TH Year	