



TATA MEMORIAL CENTRE

Advanced Centre For Treatment, Research And Education In Cancer. (ACTREC)

Kharghar Node, Navi Mumbai – 410210

A GRANT-IN-AID INSTITUTE UNDER DEPARTMENT OF ATOMIC ENERGY, GOVERNMENT OF INDIA

NAME OF WORK:

SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF MEDICAL GAS
PIPE LINE SYSTEM FOR HWCC AT ACTREC, KHARGHAR

E-TENDER NOTICE

No. : TMC/ACTREC/ENGG/SP/ET-53/MGPS/HWCC/2019

NAME OF THE AGENCY	



Engineering services, Second Floor, Khanolkar Shodhika, Phone: 3043/2740 5010, 3043/2740 5067,

E. Mail : sprajapati@actrec.gov.in, hkelkar@actrec.gov.in, engineering@actrec.gov.in,



TATA MEMORIAL CENTRE
Advanced Centre For Treatment, Research and Education In Cancer
(ACTREC)

A GRANT-IN-AID INSTITUTE UNDER DEPARTMENT OF ATOMIC ENERGY,
GOVERNMENT OF INDIA

NAME OF WORK:

**SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF MEDICAL GAS PIPE LINE SYSTEM FOR
HWCC AT ACTREC, KHARGHAR**

Tender No:	TMC/ACTREC/ENGG/SP/ET-53/MGPS/HWCC/2019
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LIST OF DOCUMENTS

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Note:	
1	Hard copy of Technical Bid is to be submitted and endorsed at security main gate before last date of submission and must be signed with stamp/seal on all pages.
2	It may please be noted that both hard copy and soft copy of technical bid are required i.e uploaded version in Tenderwizard and Hard copy submission before due date and time. If agency unable to do so will be disqualified.
3	EMD in original is to be submitted in envelop along with hard copy of technical bid.



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E-TENDER NOTICE.

NAME OF THE AGENCY		
1	NIT No.	TMC/ACTREC/ENGG/SP/ET-53/MGPS/HWCC/2019
2	Name of work	SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF MEDICAL GAS PIPE LINE SYSTEM FOR HWCC AT ACTREC, KHARGHAR
3	Estimated cost put to tender (Excluding of GST)	Rs - 5,92,52,595/-
4	Earnest Money Deposit (EMD)	<p>EMD of Rs.11.86 Lakh to be submitted in the form of Fixed Deposit Receipt/ DD issued by a Scheduled bank in favour of Accounts Officer, TMC-ACTREC, Payable at Navi Mumbai</p> <p>However the bidders may submit the EMD as follows:</p> <p>i) Rs.11.86 Lakh- in the form of FDR/DD as prescribed above.</p> <p>or</p> <p>ii) a) 50% of EMD Amount i.e, Rs.5.93 Lakh- in the form of Demand Draft/ Bankers Cheque or Fixed Deposit Receipt as prescribed above and</p> <p>b) Balance amount 50% of EMD Amount i.e, of Rs.5.93 Lakh in the form of Bank Guarantee (BG) issued by a Scheduled Bank drawn in favour of 'Accounts Officer, ACTREC</p> <p>Note: 1) Bank Guarantee should strictly in accordance with the prescribed format otherwise it shall not be accepted.</p> <p>2) EMD in the form of cheque will not be accepted.</p>
5	Completion period	3 Months.
6	i) Performance Guarantee	5% of Tender Value (The successful bidder is to submit the Performance guarantee within prescribed timeline and will be returned without interest on settlement of contractor's final bill and issuance of completion certificate)
	ii) Security Deposit.	2.50% of Tender Value (will be deducted from each running bill and will be returned without interest on successful completion of DLP)
7	Tender Processing Fee	Rs xxx/- in the form of online payment.
8	Warranty and After Sales Service	<p>Works should have 3 years Comprehensive Warranty after completion/ handover of project followed by AMC and CMC which will be capped at 1.5% and 5% of the Equipment Cost respectively (such as Manifold with control panel, Air and vacuum package units, Master Gas alarm system, outlets) with no escalation for 5 years after warranty after defect liability period.</p> <p>ACTREC reserves the right to exercise the option of AMC/CMC as per perceived needs.</p>

9	Dates of availability of Tender Documents for view and download	From 13/01/2020 time 19:00 Hrs. to 27/01/2020 up to 17:00 Hrs on website www.tenderwizard.com/DAE . Detailed NIT is also available on website www.actrec.gov.in for view only.
10	Site visit	Bidder should visit the site to ascertain scope of work before putting up the Bid in working hours with prior intimation. For any queries regarding the same Bidders can contact Engineering Dept, ACTREC. Agency can on 27465067/27465010
11	Local (MMRD Region) Address of Bidder	
12	Pre Bid Meeting	A. Pre-Bid query: Till 16/01/2020 on sprajapati@actrec.gov.in / hkelkar@actrec.gov.in . B. Pre Bid Meeting will be held on 20/01/2020 (11:00 hrs to 13:00 Hrs). Pre Bid meeting will be held at engineering Dept ACTREC C. Post pre-bid query : Till 23/01/2020 onsprajapati@actrec.gov.in / hkelkar@actrec.gov.in . Navi Mumbai.
13	Dead Line for submission of Original DD etc. towards Tender EMD. And technical bid hard copy.	On or before 31/01/2020 (15:00 Hrs.) in the Office of Purchase Officer, 3rd floor, Paymaster Shodhika, ACTREC, Navi Mumbai 410210
14	Last date and time of closing of online submission of tenders:	On or before 31/01/2020 (15:00 Hrs.)
15	Date and time of online opening of Technical Bid.	On or before 31/01/2020 (15:30 Hrs.)
16	Date of opening of Financial Bids of qualified bidders.	Will be notified at a later date.

Note: 1. Director-ACTREC reserves the right to accept or reject the tender(s) in full or in part, without assigning any reason thereof. Tenders with any condition including conditional rebate shall be rejected forthwith.



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Tender No:	TMC/ACTREC/ENGG/SP/ET-53/MGPS/HWCC/2019
Tender Name:	SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF MEDICAL GAS PIPE LINE SYSTEM FOR HWCC AT ACTREC, KHARGHAR

GENERAL INSTRUCTIONS TO TENDERER

NAME OF THE AGENCY	
Important	THE LOCATION OF WORK TO BE EXECUTED IS CANCER PATIENTS AREA. EXTRA CARE SHALL BE TAKEN WHILE EXECUTING THE WORK. IT IS REQUESTED TO VISIT THE PLACE OF WORK BEFORE SUBMITTING THE TENDER.
1	Tender Documents can be viewed on our web site www.actrec.gov.in
2	Conditions of Contract may be downloaded from our website www.actrec.gov.in (in case of difficulty please contact on 2740 5041).
3	Registered contractors can only purchase /download & upload tenders documents.
4	Interested agencies may visit www.tenderwizard.com/DAE for registration.
5	Contact for assistance/ clarifications/registration on 09969395522/ 022-25487363 (Shri. Rudresh), e-mail: rudresh.tenderwizard@gmail.com
6	Bidders who fulfill the following requirements shall ONLY be eligible to apply. (Joint ventures are not accepted).
7	For further information, please contact on (022) 27405010 during office hours. The existing "SECTION - 1: NOTICE INVITING TENDERS" OF "CONDITIONS AND CLAUSES OF CONTRACT - 2008" (P.5 & 6) in use for 2/3 bid TENDERING has been modified as per the requirement of e-Tendering. The modified VERSION OF THE SAME" is enclosed as CS-13 (Correction Slip - 13 to Conditions and Clauses of Contract -2008).
8	Proof of registration/associations with Government / Semi Government / Corporate Hospitals & having experience in execution of similar nature and magnitude of works .
9	Should have satisfactorily completed the works as mentioned below during the last seven years ending 31.03.2019 and on going works till the date.
10	Three similar works each costing not less than Rs.2.37 Lakh each, or (40% of Estimation Cost)
11	Two similar works each costing not less than Rs. 3.56 Lakh each, or (60% of Estimation Cost)
12	One similar work costing not less than Rs.4.75 Lakh (80% of Estimation Cost)
13	Similar works means, installation of Medical Gas Pipe line System of similar nature and magnitude in big hospitals.
14	The value of executed works shall be brought to the current costing level by enhancing the actual value of work at a simple rate of 7% per annum ; calculated from the date of completion to the last date of receipt of tender.
15	Annual turnover as per ITCC or profit & loss statement for the last 5 years (Average annual turn over for the last 3 financial years should be at least Rs.2.38 Lakh , not having incurred any loss in more than 2 years during last 5 years ending 31.03.19 (last Financial year).
16	The bidding capacity shall be equal to or more than the above respective estimated cost. The bidding capacity shall be worked out by following formula Bidding capacity = (A x N x 2) - B Where A- Maximum value of similar works executed in any one year during last 5 years taking into account as completed as well as works in progress. N- Completion of works in years. B- Value of existing commitments and ongoing works to be completed during the period of completion of work.
17	Should not have incurred any loss in more than two years during the last five years ending 31st March, 2019.
18	Networth certificate: Networth certificate of minimum 15% of the estimated cost put to tender issued by certified Chartered Accountants (on the format prescribed in form B-1)

19	List of similar works in hand & similar works carried out by them for last 7 years indicating i) Agency for whom executed, ii) Value of work, iii) Completion time as stipulated and actual, or present position of the work.
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20	List of construction plant, machinery, equipment, accessories & infrastructure facilities possessed by the agency to complete the work in time.
21	List of Technical staff they possess.
22	CERTIFICATES: (Scanned copy of original certificates to be uploaded)
i)	Performance Certificates
ii)	GST registration certificate
iii)	PAN (Permanent Account Number) Registration
iv)	OEM authorization certificate (For Supply, installation, Service) as may be the case.
V)	Company Registration certificate
23	UNDERTAKING as under:- (Scanned copy to be uploaded at the time of submission of bid).
	I/We undertake and confirm that the contracted works shall not be got executed through sub-contractor on back to back basis. Further that, if such a violation comes to the notice of Director-ACTREC, I/we shall be liable to be debarred & black listed as the case may be for bidding in future. Also if such violation comes to the notice of department before date of start of work, the Engineer in-charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.
24	The intending bidder must read the terms and conditions as per "SECTION - 1: NOTICE INVITING TENDERS" OF "CONDITIONS AND CLAUSES OF CONTRACT - 2008" carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required. Director-ACTREC reserves the right of Non-consideration of Tender documents of the agencies who are not fulfilling the NIT stipulations and / or having adverse report on the works carried out by them in the past.
25	Information and Instructions for tenderers posted on website shall form basis of tender document.
26	Hard copies of Technical Bid shall be submitted in ACTREC before due date and time. Hard copies shall include all documents as uploaded online.
27	OBTAINING OF STANDARD DOCUMENTS: In addition to the above, the prospective bidders are required to possess all documents which form part of Tender Documents for this work. The required documents (Condition of Contract) can be downloaded from the ACTREC's website (tender section on www.actrec.gov.in). In case the agencies already possess these standard documents with them, the same need not be downloaded / purchased again. Printed books are available at the Engineering Services, TMC-ACTREC, Kharghar, Navi Mumbai- 400 210.
28	The bid can only be submitted after uploading the mandatory scanned documents such as Demand Draft or Pay order or Banker's Cheque or Fixed Deposit Receipts and Bank Guarantee of any Scheduled Bank towards cost of tender document and EMD in favor of "ACCOUNTS OFFICER, TMC-ACTREC" and Processing Fee in favor of "ITI LIMITED, NEW DELHI" and other documents as specified.
29	Those bidder who are not registered on the website mentioned above, are required to get registered. If needed, they can be imparted training for online bidding process as per details available on the website.
30	The intending bidder must have valid class-III digital signature to submit the bid.
31	On opening date, the bidder can login and see the bid opening process.
32	Certificate of Financial Turn Over: At the time of submission of bid, bidder may upload Undertaking / Certificate from CA mentioning Financial Turnover of last 3 years and including profit & loss statements and further details if required may be asked from the contractor after opening of technical bids. There is no need to upload entire voluminous balance sheet.
33	Bidder must ensure to quote rate of each item. The column meant for quoting rate in figures appears in YELLOW colour and the moment rate is entered, it turns SKY BLUE . In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0" . Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO). In the schedule of quantities, if rates are not quoted for items or if a firm quotes "NIL/N.A./Not applicable/----/ Leaving blank space etc." charges, the bid shall be treated as unresponsive and will not be considered. DO NOT use vague terms. Insert required information with clear meaning in technical bid & financial bid.
34	The Director-ACTREC reserves the right to accept / reject any prospective application without assigning any reason thereof.
35	Short listing of the bidders shall be subject to thorough verification of their credentials and inspection of works carried out by them, through a Technical Evaluation Committee of experts, constituted by ACTREC.
36	IF ANY INFORMATION FURNISHED by the bidder is found to be incorrect at a later stage, they shall be liable to be debarred from tendering / taking up works in TMC.
37	PROSPECTIVE BIDDER SHALL SATISFY THEMSELVES OF FULFILLING ALL THE NIT CRITERIA BEFORE SUBMISSION OF TENDER. Director-ACTREC reserves the right of non consideration of tender of the bidder not fulfilling the stipulated criteria.

38	Any Additional work needs to be executed for completion of work, CPWD DSR 2018 rates will be considered or cost analysis method
39	TMC-ACTREC does not guarantee opening of the tender immediately after the closing date and time due to reasons beyond its control and hence tenders can be opened after the due date and time also. It will however will be ensured that no offers are submitted after tender closing date and time. Bidder cannot submit/modify any offer or attach any file to it after closing date and time as stipulated in the tender notice. System does not permit any alternation, modification, deletion of any entry or condition, offered by the tenderer in the e-tender, after closure of the virtual date and time.
40	ACTREC will not be responsible for any kind of technical problem at Bidder's end in case of difficulty in up loading of tender. Bidders are advised to finish the uploading of tender well before time. No tender will be accepted by ACTREC at later stage that could not be uploaded because of unforeseen technical problems.
41	Bidders who have successfully up loaded the tender documents and forwarded physical (hard) copies of the Technical Bid before due date and time will only be considered. Please note that bidder will have to finish both the activities to proceed further. Otherwise bidders will be disqualified.
42	All papers submitted with the tender should bear the signature and stamp/seal of the bidder on every page.
43	All information in this tender shall be in English only.
44	Rate quoted should be in Indian currency only.
45	Tender containing clerical errors, typographical error/ arthrmietal mistake may be lible to be rejected.
46	All the rates quoted shall be exclusive of all taxes.
47	Only one rate shall be offered for the Item. Multiple rates against one items shall be rejected.
48	The bidder shall quote rates which shall remain valid for acceptance by ACTREC for a perios of 12 months or stipulated time limit as mentioned in the tender documents.
49	Only lowest offer may be considered for financial negotiations.
50	Performance Gaurantee: Performance Gaurantee will have to be submitted at the rate of 5% of the contract value valid for 2 Months after completion of work to be submitted within 15 days of issue of Letter of Intent.
51	Security Deposit will be deducted @ 2.5% of work order value from the running bills and will be refunded after completion of defect liability period of three Year.
52	Submission of more than one Tender by a particular Tenderer under different names is strictly prohibited. In case it is detected later that this condition has been violated all the tenders submitted by Tenderer would be rejected or cancelled and earnest money or security deposit will be forfeited in addition to such legal action as may be deemed fit and proper.
53	Canvassing in connection with tender/quotation is strictly prohibited.
54	Director-ACTREC reserves right to reject any or all the quotations or allot part of the work to different agencies without assigning any reason.
55	Mode of measurement will be as per the guidelines laid in the Departmental conditions of contract & technical specification.
56	Awarding work order will be strictly as per "L1 criteria"

I have read the Above instructions carefully and understood in right perspective.

Date:

Seal and Signature.



TATA MEMORIAL CENTRE
ADVANCED CENTRE FOR TREATMENT RESEARCH AND
EDUCATION IN CANCER (ACTREC).

Tender No:	TMC/ACTREC/ENGG/SP/ET-53/MGPS/HWCC/2019
Name of Work	SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF MEDICAL GAS PIPE LINE SYSTEM FOR HWCC AT ACTREC, KHARGHAR

ACCEPTANCE FORM

NAME OF THE AGENCY	
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To,
The Director,
Advanced Centre for Treatment, Research & Education in Cancer (ACTREC),
Tata Memorial Centre,
Kharghar, Navi Mumbai- 410208.

Tender Ref: **TMC/ACTREC/ENGG/SP/ET-53/MGPS/HWCC/2019.**

Name of Work: SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF MEDICAL GAS PIPE LINE SYSTEM FOR HWCC AT ACTREC, KHARGHAR.

I/We read the various conditions to tender including general conditions and hereby agree to abide by the said conditions. I/we also agree to keep this tender open for acceptance for a period of 120 (One hundred Twenty) days from the date fixed for opening the same and in default thereof. I/we will be liable for forfeiture of my/our "Security Deposit" to Tata Memorial Centre, ACTREC. I/We will execute the work as per the quoted rates and hereby bind myself/ourselves to execute the work in all respects during the period of contract from the date of issue of letter of acceptance of the tender. I/we also hereby agree to abide DAE general conditions of the contract as amended from time to time and to carry out the work according to the drawings, specifications and special conditions of the contract laid down by ACTREC.

A sum of _____ - is hereby forwarded as Earnest Money in the form of D.D/ Bank's P.O. through receipt No. _____ dated _____ for Rs._____. The full value of Earnest Money shall stand forfeited without prejudice to any other rights to remedies if:-

A) I/we do not execute the contract documents immediately after getting information form ACTREC.

B) I/we do not commence the work within 15 days after issue of the letter including work order to that effect. Until a formal agreement is prepared and executed, acceptance of this tender shall constitute a binding contract between us subject to modifications, as may be mutually agreed between us indicated in the letter of acceptance of my/our offer for this work.

Date:

Seal and Signature.



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(ACTREC).**

A GRANT-IN-AID INSTITUTE UNDER DEPARTMENT OF ATOMIC ENERGY, GOVERNMENT OF INDIA

CHECK LIST FOR LIST OF DOCUMENTS SUBMITTED

NIT No.	TMC/ACTREC/ENGG/SP/ET-53/MGPS/HWCC/2019		
NAME OF WORK:	SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF MEDICAL GAS PIPE LINE SYSTEM FOR HWCC AT ACTREC, KHARGHAR		
Name of Agency			
SN	PARTICULARS	REMARKS	
I	Name of the Bidder		
II	Postal address		
III	Contact with STD code		
IV	Fax with STD code		
V	Name of Contact person		
VI	Mobile No.		
VII	e-mail ID		
	BELOW GIVEN DOCUMENTS TO BE SCANNED AND UPLOAD IN THE WEBSITE www.tenderwizard.com/DAE WITHIN THE PERIOD OF SUBMISSION	Details to be fill-up	Scan copy attached "YES" OR "NO"
1	Financial Turn Over Certified by CA		
	2016-17		
	2017-18		
	2018-19		
2	Profit & Loss Statement Certified by CA		
	2016-17		
	2017-18		
	2018-19		
3	Networth certificate: Networth certificate of minimum 15% of the estimated cost put to tender issued by certified Chartered Accountants (on the format prescribed in form B-1)		
4	List of Similar Works carried out in last 7 years i) Agency for whom executed Value of Work	ii) ATTACH SCANNED COPY SEPARATELY	

	BELOW GIVEN DOCUMENTS TO BE SCANNED AND UPLOAD IN THE WEBSITE www.tenderwizard.com/DAE WITHIN THE PERIOD OF SUBMISSION	Details to be fill-up	Scan copy attached "YES" OR "NO"
5	List of similar works in Hand indicating: i)Agency ii) Value of Work iii) Stipulated time of completion/ present position	ATTACH SCANNED COPY SEPARATELY	
6	List of Construction Plants and Machinery:	ATTACH SCANNED COPY SEPARATELY	
7	List of Technical Staff	ATTACH SCANNED COPY SEPARATELY	
8	Certificates:		
	i) Registration Certificate if Any,	ATTACH SCANNED COPY SEPARATELY	
	ii) Certificates of Work Experience /Performance certificates	ATTACH SCANNED COPY SEPARATELY	
	iii) Certificates of Registration for GST.	ATTACH SCANNED COPY SEPARATELY	
	iv) PAN (Permanent Account Number) Registration	ATTACH SCANNED COPY SEPARATELY	
9	Undertaking that the eligible similar work(s) have not been executed through another contractor on back to back basis:	ATTACH SCANNED COPY SEPARATELY ON AGENCY'S LETTER HEAD	
10	NEFT towards Cost of Tender Processing Fee	ATTACH SCANNED COPY SEPARATELY	
11	Demand Draft of any scheduled Nationalised Bank towards EMD payable at Kharghar, Navi Mumbai.	ATTACH SCANNED COPY SEPARATELY	
12	Conditions of the Contract Book : To be down loaded from www.tenderwizzard.com/dae/help/docu ments/tatamemorialcentre/condtions of contract	SUBMITT SIGNED COPY ALONG WITH TECHNICAL BID	
13	I/WE certified that our TECHNICAL BID is compliant with tender document.		

Date

Seal and Signature.



TATA MEMORIAL CENTRE
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Vendor Details

Tender No:	TMC/ACTREC/ENGG/SP/ET-53/MGPS/HWCC/2019
Tender Name:	SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF MEDICAL GAS PIPE LINE SYSTEM FOR HWCC AT ACTREC, KHARGHAR

Sr No	List of Documents to be scanned & uploaded within the period of bid submission:	Details (to be given mandatorily)
1	Name / Title of the Bidder/ Type of Establishment	
2	We have quoted for all the items in Financial bid in the prescribed format of the Tender documents (say 'Yes/No') (Partial/Incomplete offers are liable for rejection)	
3	Full Address	
4	Name of the person authorized to deal/undertake business for and on behalf of the Bidder	
5	Telephone & Mobile Number	
6	Fax. No.	
7	Email Address	
8	Legal entity of Bidder whether Firm/Society/Company/SSI unit	
9	Establishment Registration Number	
10	Authority with whom Registered	
11	Main Business of the Bidder	
12	Authorized area of Operation in India	
13	Name & Address of Bankers	
14	PAN No. / TAN No.	
15	GST Registration Number:	
16	Networth certificate: Networth certificate of minimum 15% of the estimated cost put to tender issued by certified Chartered Accountants (on the format prescribed in form B-1)	
17	No. of Man power employed by Bidder	
	a) Scientific	
	b) Technical	
	c) Administrative	
	d) Financial	
18	Experience of the Bidder in dealing with the tendered item/works	
19	Performance Certificates / Work Completion Certificates.	
20	QUALIFYING EXPERIENCE ANY ONE OF THE FOLLOWINGS.	
	a) THREE Works costing 40% of 'Tendered Value' i.e. RS. 2.38 Lakh	
	b) TWO Works costing 60% of 'Tendered Value' i.e. Rs. 3.56 Lakh	
	c) ONE Works costing 80% of 'Tendered Value' i.e. Rs. 4.75 Lakh	
21	Turn over in the last 3 years	
	2016-17	
	2017-18	
	2018-19	

22	Average Turn Over for Last 3 Years, certified by CA.	
23	Details of work orders in the last 3 years, amount, Name of Authority, Completion Period etc (separate sheet)	
24	List of plant & machinery of bidder (attach separate sheet)	
25	Demand Draft/BG/FDR Number for EMD, Amount, Date, Bank, etc	
26	There are no deviations of specification/type etc in any of the items of Financial Bid. (Deviations, if any, shall be mentioned in Technical Bid. The agency has to quote separately for the those items and enclose with Financial Bid)	

Certified that the above information is correct & true to the best of my knowledge and belief. Nothing has been concealed and fabricated and in case any information is found incorrect. I, the under signatory will be personally responsible.

Date

Signature

Name of authorized person for bidder with seal



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NEFT FORM

APPLICATION FORM FOR DEPOSITING PAYMENT AGAINST BILLS IN BANK ACCOUNT BY ELECTRONIC CLEARING		
1	Name of the Bidder	
2	Bidder Address & Other Particulars	
3	PAN NO.	
4	GST NO.	
5	Mobile No.	
6	Email ID	
7	Account Holder's Name (Title of the Account)	
8	Bank Account No.	
9	Bank Name, Branch & Address	
10	9-Digit MICR code of the bank	
11	Account type (SB/CURRENT)	
12	IFSC Code (attach xerox copy of cheque)	

Certified that the particulars furnished above are correct as per our records.

Signature of the authorised official from the bank.

Bank stamp :

Date :

Note : Xerox copy of cheque may be attached, without which the form will not be accepted.



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Tender No:	TMC/ACTREC/ENGG/SP/ET-53/MGPS/HWCC/2019
Tender Name:	SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF MEDICAL GAS PIPE LINE SYSTEM FOR HWCC AT ACTREC, KHARGHAR

SPECIAL CONDITIONS OF CONTRACT

NAME OF THE AGENCY	
1	<u>ELIGIBILITY CRITERIA:</u>
a)	The Bidder should be a Manufacturer / Indian Subsidiary of OEM / an authorized agent of OEM for minimum three years with a legal status in India. It must be noted that the tenderer should not have been blacklisted by any Government Agency/Institutions of local self Government / Public Sector in India under any contractual relation with them or facing process of penal action as such on complaints of quality. Director, ACTREC reserves the right for insisting upon submission of Satisfactory Performance Certificate issued by any such agency.
b)	There shall be a screening/verification committee appointed by Director ACTREC to examine the list of documents and to verify credibility of the tenderer based on the performance certificate issued/site visit and desirable as per terms & conditions attached to the Tender and to report in details on the eligibility of tenderers for further examination to the competent authority. The Tenderers are required to produce the original documents for verification if required for the screening/verification committee.
c)	Tenderer who carried out similar nature and magnitude of work i.e. Supply & Installation of Medical gas Pipe Line System in Hospitals and similar organization.
d)	Awarding work order will be strictly as per "L1 criteria" . Order for the scope AMC/CMC will be issued at later stage.
e)	Bidders should have their office / technical support team in the vicinity of Navi Mumbai/Mumbai area.(MMRD)
f)	Competent Authority reserves right to accept or reject the offer in whole or in part and award the work in whole or in part, as per norms/policies accepted by the centre.

2	<u>Scope of Work:</u>
a)	DESIGN, SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF MEDICAL GAS PIPE LINE SYSTEM AT ACTREC, KHARGHAR
b)	Scope includes Preparing site according to all applicable safety guidelines, norms to house Compressor and vaccume plant, Manifold system, control and alarm panel foundation, piping support as per standard.
c)	All related work Electrical, mechanical, Electrical and Civil,Piping ,Fire safety instrumentation are part of total work.
d)	Transportation of related materials from the factory/ coustomes (if imported) to ACTREC, Kharghar installation site , unloading, keeping the same at site appropriately for execution and installation thereafter.
e)	Bidder to submit all relevant documents, test reports/certificates, as laid dwawing, warantee cards, post installation servicing during warantee period etc.
f)	Bidder to give 3 year comprehensive warrantee after completion of project/handover of project. and 5 years AMC/CMC for the system after defect liability of period.i.e.Agency to provide service and maintenance support during defect liability period free of cost including spare parts.
g)	All the features/functionalities must be shown and tested before completion certificate is issued for settlement of final payment. Bill will be settled as per actual measurement.
h)	ACTREC is a running institution having OT / BMT / ICU etc. hence, Bidder should appoint qualified and experienced project manager to schedule and implement the project with least disturbance to ongoing works/patients and their relatives.
i)	Bidder should submit all the necessary catalogues, Brochures , as laid drawings/schematic, test reports, certificates, undertakings etc. as required before settling of payment. All liasening work to obtain NOC/CCOC approval, license etc.from related authorities.
j)	Bidder should provide training to Engineering for operation & maintenance. Operational training to ACTREC staff is to be given in ACTREC itself.
k)	Material delivery may be done at sites accordingly. Once the order is issued, bidder to contact respective engineer-in-charge for administrative activities, challans, gate pass, submission of bills, any other site related activities etc.
l)	During the dismantling process damage on ACTREC property shall repair by the contractor without any additional cost.
m)	Bidder must be capable to handle this turnkey job that includes related Gas pipe line system, Supply and installation of Air and vaccum plant and related civil, elecgrical and mechanical work with desired functionality.
n)	Schematic/SLD/block or conceptual Dia/layout/GA drawing to be prepared by the bidder. Approval must be sought on the drawings before actual commencement of work along with plan of execution.
o)	Compressor/ Vaccum plant inspection shall be done at factory/manufacturer site by the ACTREC Engineer.
2.1	<u>Inspection & Test:</u>

2.11	The Purchaser shall have the right to inspect and/or test the equipment for conformity to the Contract Specifications
2.12	In case any inspected or tested equipments fail to conform to the specifications, the Purchaser may reject them and the supplier shall either replace the rejected equipments or make all alterations necessary to meet specification requirements free of cost to the Purchaser. The purchaser is open to charge any penalty in this regard.
2.13	he supplier shall provide installation and standard tests for the individual equipment before the delivery of the system at site.
2.14	The supplier shall test each individual equipment and the complete system after installation at site and prepare a test report. This shall be compared with the factory test report to ensure that there is no deterioration in the equipment parameters during storage, transportation and installation.
2.15	Leaflets, equipment manuals (hard copy, Compact Disk, DVD etc) and literature should be attached for ready references alongwith complete documentation of all the measurements conducted during installation period which shall be submitted by the supplier for future reference.
2.16	The technical problems faced during installation, testing and commissioning period and their solutions shall be submitted by the supplier at the time of handing over the completed works.
2.17	For the purpose of taking over the equipment/system supplied pursuant to this contract, an acceptance test shall be carried out at the Purchaser/Consignees destination site. The equipment which meets the acceptance test shall only be accepted by the Purchaser.
2.18	(a) Acceptance Test at site shall be conducted of individual equipment and complete system to ensure that individual equipment and complete system meets the technical specifications and other operational and technical requirements of tender
2.19	(b) The Purchaser shall have the right to reject any individual equipment or complete system, if in its opinion the same does not meet technical specifications, operational or technical requirements. The decision of the purchaser in this regard shall be final
2.2	(c) The delivery, installation or commissioning shall not be deemed to have been completed unless all the equipments and systems are accepted by the purchaser
2.21	Before the equipment is taken over by the Purchaser/Consignee, the Supplier shall provide manuals of the equipment/systems. This shall include the following: i) System Interface Drawings, Wiring diagrams ii) System Interconnection and Block diagrams iii) User Operation Manuals iv) Equipment Maintenance Manuals

2.22	Medical Gas System based on NFPA 99 standards. All Quality certificates, test Certificate, Declaration of Conformity, UL certificate with notified body number confirming to medical device directive with all relevant documents have to be submitted at the time of submission of the tender. The Product should be UL listed wherever applicable for all product.
2.23	Third party validation for complete medical gas pipe line system from authorised preferable third party vendor will be mandatory and in the scope of vendor. Validation protocol: 1. 6010 assessor - site installation, 6020-Inspection of MGPS and 6030 assessor. All test shall be in the scope of bidder.
2.24	Purity testing as per American Pharmacopia and American monograph as per NFPA 99 including testing of identity , Particulate contamination, Odor/Test, Oxygen content, water Content, CO2, CO, NO2, and testing of all manifold and plant by third party quality controller approved by NFPA 99.
2.2	Spare Parts:
2.21	The Bidder will undertake that supplies of necessary maintenance equipment and spare parts will be made available for all items/equipments and the complete system for at least ten years on a continuing basis. However, this does not relieve the supplier of any warranty obligations under the Contract
2.22	The Bidder shall include in his tender or separately, the details of essential spares, their quantity and unit prices as per schedule of requirements. Detailed explanation to confirm that quantity of spares quoted as per requirement of this clause shall be given
2.23	In addition to the essential spares, Bidder shall indicate additional recommended quantities of spares for efficient maintenance of the equipment and the systems for a period of 7 years, after the completion of warranty period of 3 years, to ensure that the quality and reliability objective is achieved. The details on which unit price and the total cost or recommended spares is based shall be included in the tender as an option. However, the cost of such recommended spares shall not be considered for tender evaluation.

3	<u>PRICE BID</u>
a)	The tenderer should quote the price exclusive of all taxes and levies of the each items on the Schedule of Quantity enclosed with the tender documents and signature & stamp thereon each page, in separate sealed cover, super scribing name of work indicating 'PRICE BID'.(Price bid submitted other than above form will be rejected).Partial/incomplete offers are liable for rejection as the entire work is considered as one work and L1 will be decided by adding rates/amounts quoted for entire items of Schedule of Quantity as a composite work. If the tenderer does not qualify himself in the technical bid, the price bid offered will not be entertained. In case of unsuccessful bidders in the technical bid, price bid will not be opened and would be returned (if required). Price Bid is only in the form of ON LINE version.
b)	in the schedule of quantities, if rates are not quoted for items or if a firm quotes " NIL/N.A./Not applicable/----/ Leaving blank space etc." charges, the bid shall be treated as unresponsive and will not be considered.
c)	Validity of rates: 180 Days from the opening of the tender.
d)	Defect Liability Period: 3 Years comprehensive warranty after completion/handing over of project.
e)	Stipulated time for completion of work : 3 Months.
4	<u>LIQUIDATED DAMAGE</u>
a)	Successful tenderer will have to commence/execute the work as per the order placed by email/soft copy/LOI/Work order within the stipulated time period mentioned in the order. In failure to do so, the performance security submitted by the firm will be forfeited. In the event of the contractor fail to comply with conditions of this contract, he shall be liable to pay a compensation for non commitment of work as per order or for the delay an amount equal to 1.0% per month delay to be computed on per day basis, provided that the entire amount of compensation to be paid shall not exceed 10% of the estimated cost of the work. If the work is not completed within the stipulated time period as mentioned in the work order or inferior nature of work, the engineer in-charge has the right to terminate the whole work or part and get the work done from other agency at the risk and cost of tenderer and access money will be recovered from any dues. Liquidated damage can be recovered from EMD, Performance Security, Security Deposit or running bills of the Tenderer. Extension in delivery of work will not be given except in exceptional circumstances. The defaulting tenderer will be debarred from participant of any tender of ACTREC.

5	<u>ARBITRATION</u>
a)	In the event of any dispute arising between ACTREC and the contractor in any matter covered by this contract or arising directly or indirectly there from or connected or concerned with the said contract in any manner of the implementation of any terms and conditions of the said contract, the matter shall be referred to the Director, ACTREC who may himself act as sole arbitrator or may name as sole arbitrator an officer of ACTREC/TMH notwithstanding the fact that such officer has been directly or indirectly associated with this contract and the provisions of the Indian Arbitration Conciliation Act, 1996 shall apply to such arbitration. The contractor expressly agrees that the arbitration proceedings shall be held at MUMBAI/NAVI MUMBAI.
6	<u>DIRECTOR-ACTREC/THE TENDER COMMITTEE / TENDERING AUTHORITY / UNDERSIGNED RESERVE THE RIGHT:</u>
a)	To reject any / or all the Tenders at any stage without assigning any reason there of and not accept the lowest Tenders.
b)	To invite fresh offers from the open market or negotiate with other tenderers quoting higher rate to come down to the lowest rate of the item offered by the competitors in the tenders.
c)	To procure any item of the tender directly from State / Central govt. Undertaking at government rate even if a tender of other parties for the same item has been offered / accepted / approved.
d)	To reject abnormally low price of an item quoted by the tenderer in the Tender with some malafide intention.
e)	Officer authorised on behalf of the Director-TMC does not bind himself/herdelf to accept the lowest or any other offer & reserve the right to cancel, reduce or split the contract on more than one source without assinging any reason for such action.
f)	DIRECTOR-TMC reserves right to accept the tender in full or part with out assigning any reason.
7	<u>RISK PURCHASE</u>
a)	In the event of failure to execute the contract to the satisfaction of the engineer in-charge he has the reserves the right:
b)	To reject any part of the contract executed and withhold payment for such portion of the contract till such time the defects are rectified to the satisfaction of the Engineer In-charge.
c)	To terminate the contract by giving 2 weeks notice in writing without assigning any reason and to get the contract executed by other agency at the risk and cost of the contractor.

8	<u>GENERAL LIEN</u>
a)	Whenever under this contract any sum of money is recoverable from and payable by the contractor, ACTREC shall be entitled to recover such sum by appropriating in part or in whole the security deposit of the contractor, if a security is taken from the contractor. In the event of the security being insufficient or if no security has been taken from the contractor, the balance or the sum recoverable, as may be shall be deducted from any sum due to the contractor or which at any time thereafter may become due to the contractor under this or any other contract with the ACTREC. Should this sum be not sufficient to cover the full amount recoverable, the contractor shall pay to the ACTREC on demand the remaining balance due.
9	<u>RECTIFICATION OF WORK/REPLACEMENT OF DEFECTIVE SUPPLY</u>
a)	In any supply item or any part of work is found defective or fails to meet the requirements of the contract before it is accepted, the ACTREC shall give the contractor a notice setting forth details of such defects or failures and the contractor shall forthwith arrange to set right the defective work or replace the defective supply by the good one to make it comply with the requirements of the contract. This in any case shall be completed within a period not exceeding one month from the date of the initial report pointing out the defects. The replacement or rectification shall be made at site by the contractor at free of cost. Should the contractor fail to do the needful within this stipulated time frame, ACTREC reserves the right to reject the work/equipment in full or in part and get it replaced at the cost of the contractor. The cost of any such replacement made by the ACTREC shall be deducted from the amount payable to the contractor against this work order.
10	<u>TERMINATION FOR DEFAULT</u>
a)	ACTREC, may without prejudice to any other remedy for breach of contract, by written notice of default, sent to the contractor, for termination of this contract in whole or in part;
b)	If the bidder fails to deliver any or all the work within the time period (s) specified in the contract, or any extension thereof granted by ACTREC.
c)	If the bidder fails to perform any other obligation(s) under the contract.
d)	If the bidder in either of the above circumstances, does not remedy his failure within a period of 15 days (or such longer period as ACTREC may authorize in writing) after receipt of the default notice from ACTREC on a notice period of 30 days.
e)	In the event of ACTREC terminate the contract in whole or in part pursuant to above para the ACTREC may execute the work upon such term and in such manner as it deems appropriate work similar to those undelivered and bidder shall be liable to ACTREC for any excess cost for such similar work. However, the bidder shall continue the performance of the contract to the extent not terminated.

11	<u>ADDITIONAL OR EXTRA WORK</u>
a)	ACTREC reserve the right to place extra items other than schedule quantity for completion of given work order. In such cases the Engineer In-charge calculate the expenditure for supply and execution of such work by taking quotation from local agency and adding applicable levies, labor charges, incidental expenditure, profit etc. as per the normal procedure to arrive suitable rate. He may also obtain the expenditure of the extra item either from CPWD manual or from the work order executed for government organization for similar work in the recent past. If the quantity of work is exceeding more than 10%, Engineer-in-Charge should be informed the same and execution should be done only after prior approval.
b)	ACTREC also has the reserve to modify the quantity of items in work order to add/reduce/cancel as per the site requirements. Such additional quantity will be settled at the same rate and terms & conditions of the order on completion of work after taking final joint measurement.
c)	Bidder to inform in advance before executing additional/substitute quantity. Prior approval for the same should be obtained from ACTREC before execution.
12	<u>PAYMENT TERMS</u>
	Payment terms of ACTREC are given below.
a)	60% against delivery and satisfactory certification by engineer-In charge. (the contractor has to forward their bill enclosing the challans duly endorsed at security gate with receiver signature).
b)	20% against installation, Testing & commissioning with certification by Engineer In- Charge
c)	20% against completion/handover of project and submission of NOC/License/Approval certificates and handover of the system. (After all the parameters & functionalities has been checked and shown & confirmed with Dept.)
d)	Payment will be done as per actual measurement.
e)	Payment term other than above mention will not be accepted.
13	<u>FAIR WAGES</u>
	The bidder shall pay the monthly wages to the labors employed by him as per the minimum wages enforced by Labor Enforcement Authority of India on time to time in front of an ACTREC official, together with ESIC, Provident Fund, and Bonus etc. as applicable. The contractor will forward his bills for the work executed by him by attaching copies of salary slip signed by the worker for the current/previous month for early settlement of his bills.
	<u>Other Special conditions (This conditions overrule other condition specified anywhere in contract as applicable)</u>
1	The work to be carried out as per the instruction of Engineer-incharge
2	Material delivery challans to be submitted along with running and final bills
3	Deployed workers must have company I cards and should follow all safety as per the labour laws.
4	Material to be used of approved make with ISI mark as mentioned in schedule of rate and as per the instruction of Engineer-incharge.

5	Space for storage of material during execution of work will be provided if available in the ACTREC Premises to the contractor. But risk of theft/damage is the contractor's risk and TMH/ACTREC is not responsible for any theft/damage/fire.
6	During execution of works, contractor has to take adequate care of ongoing patients care services.
7	No mobilisation or secured advance will be paid to contractor.
8	The Contractor should depute Supervisor/Engineer at site during execution of works on each and every day and night as per the instructions given by Engineer - in charge.
9	If the contractor fails to clear the debris from premises then fine of Rs 10,000/truck will be charged and recovered.
10	Agency to bring his manpower to execute the works irrespective of quantity of work allotted.

I have read the Above instructions carefully and understood in right perspective and agreed.

Date:

Seal and Signature.



TATA MEMORIAL CENTRE

ADVANCED CENTRE FOR TREATMENT RESEARCH AND EDUCATION IN CANCER (ACTREC).

A GRANT-IN-AID INSTITUTE UNDER DEPARTMENT OF ATOMIC ENERGY, GOVERNMENT OF INDIA

Compliance form-1

Tender No.	TMC/ACTREC/ENGG/SP/ET-53/MGPS/HWCC/2019				
Name of work:	SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF MEDICAL GAS PIPE LINE SYSTEM FOR HWCC AT ACTREC, KHARGHAR				
Name of the Vendor					
Item No.	Description	Origine	Offered List of Make	We have read all item specification (Yes/No)	we have quoted against each item.(Yes/No)
1	Supply , Installation, Hook up , Testing , Commissioning of Medical Oxygen system with demand of 130 CFM at minimum 55 psig Comprising of below items				
1.1	Indoor Fully Automatic 3 source Control Panel- conforming to NFPA 99, between LOX vaporiser as primary source & 20 cylinder LHS HP cylinder Manifold as secondary & 20 cylinder RHS HP as Reserve to give flow of Liquid Oxygen minimum 1500 LPM & minimum input to panel at 175 psig . It shall be complete with source cut off & check valve,pressure gauge, presure switch, pressure transducer, first level diaphragm regulator,line diaphragm regulator with gauge, line shut off valve, relief valve, vent valve, LED for Use-Ready-Empty etc.complete prewired & prepiped, dry contacts for wiring to Central Alarm Panel including wall/floor supporting. As per tender technical specifications	Imported			
1.2	Oxygen Secondary & Reserve- Simplex Manifold System (tested for 3500 psig) , suitable for 20 nos. 45 liters water capacity cylinders on both LHS & RHS complete with Master shut of valve, high pressure copper pipe (ISO 7396-1) of 25 mm OD header, Firged Header to cylinder tees to suit pig tail, forged brass Cylinder shut off & check valve, High pressure copper pig tail, comprising baseframe, stand pipe, cylinder holding straps with all steel & structural work in 2.5mm HRCA steel & zinc plated with Epoxy paint. As per tender technical specifications	indigenous			
1.3	Oxygen Emergency Simplex Manifold System (tested for 3500 psig), suitable for 10 nos. 45 liters water capacity cylinders complete with Master shut of valve, high pressure copper pipe (ISO 7396-1) of 25 mm OD header, Firged Header to cylinder tees to suit pig tail, forged brass Cylinder shut off & check valve, High pressure copper pig tail, comprising baseframe, stand pipe, cylinder holding straps with all steel & structural work in 2.5mm HRCA steel & zinc plated with Epoxy paint. As per tender technical specifications	indigenous			
1.4	Fully Automatic Emergency Oxygen Manifold control Assembly , wall mounted for conforming to NFPA 99, complete prepiped, complete with bank isolation & check valves, Single stage diaphragm regulator, Inlet & Outlet pressure gauges, Pressure switch with pressure transducer etc. As per tender technical specifications	Imported			
1.5	45 liters water capacity cylinders for Medical Oxygen cylinders, 150 bar operating, Seam less, Colour coded, Seamless, Chief Controller Of Explosive approved, conforming to IS 7285 comprising handwheel, firged gas regulator, pressure relief, bursting disc indicator, discharge port suited to connecting metallic pig tail in 1 coat of surface tolerant primer & 2 coat of polyurathene with marine grade paint filled with 7 CuM of Medical Oxygen conforming to IP 2010/2018 As per tender technical specifications	indigenous			
2	Supply , Installation, Hook up , Testing , Commissioning of Breathing Air system demand of 80 CFM at 55 psig including civil works foundation, supporting, cut-out , etc. comprising	Imported			

Item No.	Description	Origine	Offered List of Make	We have read all item specification (Yes/No)	we have quoted against each item.(Yes/No)
2.1	Rotary, Oil free, Air cooled, Screw/ Scroll/ Tooth, Compressor complying to NFPA 99, single point connection,Silent type Continuously Rated, 10 ⁰ F in Single Point Connetion pack, skid mounted, in Duplex/ Triplex/ Quadruplex to meet system demand of 80 CFM+ purge air demand (15% for Dessicant dryer) .Each anti vibration mounted compressor with IE2 drive & starter with door inerlock-CB-Thermal protection, Intake flex hose-isolation valve-filter, outlet flex with isolation & check valve & safety relief, fan assisted After cooler with drain trap & automatic solenoid drain valve, Fail safe temperature sensor, Master controller - Touch scrren-Label-operating parameter- PDO&CO levels, status of compressors-next to start-sequence, self diagnostic-service alerts- test mode- alarm & shutdown, Unit controller - Touch screen, with operating mode- operating status- Unit shutdown-Test mode, connectivity to BMS, control wiring harness etc. As per tender technical specifications				
2.2	240 gallons Compressed Air Receiver , NFPA 99 compliant, ASME code stamped, Corrosion resistant, 150 psig, complete with pressure gauge, liquid glass level indicator, safety relief valve, Zero loss drain electronic drain valve, Manual drain valve, 3 way bypass valve, prepiped & prewired etc As per tender technical specifications				
2.3	Compressed Air Duplex - Twin Tower Dryer NFPA 99 compliant, Filter Regulator pack with Auto/Manual purge air control, for system demand of 80CFM 55 psig minimumset, Heat less Desiccant Dryer(15%purge air) type, 10 ⁰ F PDP, air quality to suit NFPA 1989, full duplex 0.1 micron prefilter for aerosol + particulate matter with auto drain & element change indicator, full duplex after filter with element change indicator, touch sceen controller having text display-PDP & CO levels & visual+audible alarm, pre piped & pre wired, dry contacts for connection to Master Alarm Panel. As per tender technical specifications				
3	Supply , Installation, Hook up , Testing , Commissioning of Instrument Air system demand of 62 CFM at 125 psig including civil works foundation, supporting, cut-out, etc. complete with	Imported			
3.1	Compressor Reciprocating /screw Oil lubricated , complying NFPA 99,Air cooled, continuous rated, in Single Point Connetion pack, - 40 ⁰ F skid mounted, in Duplex/ Triplex/ Quadruplex to meet system demand of 62 CFM+ purge air demand (15% for Dessicant dryer).Each single or double stage (with stage cooler) unit shall be with grey cast iron cylinder & crank case, forged crank shaft, cast aluminum piston, IE2 drive with belt drive with sheave in OSHA approved enclosure, drive with door interlock safety switch-CB-Thermal protection, Manual-Off-Auto selector switch & dry contacts for alarm. Each compressor shall have Intake filter & Isolation vale, Air cooled after cooler with moisture separator-auto zero loss drain valve & Discharge metal braided hose-filter-isolation valve-check valve. High discharge air temp. sensor & with anti vibration mounts & connectivity to BMS, control wiring harness etc. As per tender technical specifications				
3.2	Control module				
3.3	200 gallons Compressed Air Receiver , NFPA 99 compliant, ASME code stamped, Corrosion resistant, 250 psig complete with pressure gauge, liquid glass level indicator, safety relief valve, Zero loss drain electronic drain valve, Manual drain valve, 3 way bypass valve, prepiped & prewired etc As per tender technical specifications				
3.4	Duplex fine line filters , complying NFPA 99, oil indicators, regulator,oil/water separator,PDP sensor with filter set at -22 ⁰ F having +/- 2 ⁰ F accuracy wired to touch screen & air sampling port As per tender technical specifications				
3.5	Controller Touch screen, complying NFPA 99 with Label-Operating parameter- PDP level, status of compressors- Run hours - FIFO sequencing- High discharge temperature-Lead-Lag sequencing, self diagnostic-service alerts- test mode- alarm & shutdown, dry contacts for connection to master controller As per tender technical specifications				
4	Supply , Installation, Hook up , Testing , Commissioning of Medical Vaccum system demand of 140 CFM at 450 mm Hg including civil works foundation, supporting, cut-out, etc. complete with	Imported			

Item No.	Description	Origine	Offered List of Make	We have read all item specification (Yes/No)	we have quoted against each item.(Yes/No)
4.1	Medical Vacuum Pump System Oil Lubricated Rotary Vane/ Claw,NFPA 99 compliant, single point connection, indoor air cooled on skid, in Duplex/ Triplex/ Quadruplex to suit relevant standard with minimum 140 CFM plant output at 482 mm Hg vacuum. Each pump complete with IE2 drives & starter with door inerlock-CB-Thermal protection, circulating oil system 3 stage oil filter 99.9% efficient, high temp.switch, discharge manifold with flexes, drip ball valve & condensate drain, intake piping with antisuck back system- isolation valve-check valve-flex connection, Master controller -Label-operating parameter- PDO&CO levels, status of compressors-next to start-sequence, self diagnostic-service alerts- test mode- alarm & shutdown, As per tender technical specifications				
4.2	240 gallon Receiver , NFPA 99 compliant, ASME code stamped, Corrosion resistant, 150 psig complete with vaccum switch backed by vaccum transducer,Manual drain valve, 3 way bypass valve, prepiped & prewired etc As per tender technical specifications				
4.3	Duplex Stream Bacterial Filter System , NFPA 99 compliant, using filters having penetration level of 0.005% to BS 3928:1969 & particle count up to 0.02-2 micron size with transparent auto-claveable drain flask connected to each filter, differential vacuum indicator across filter, inlet & outlet pressure sensors, internal pressured drop<25 mm Hg, isolation valve for each drain flask,all prewired & prepiped, fittings etc. As per tender technical specifications				
5	Supply , Installation, Hook up , Testing , Commissioning of Medical N2O system with system demand of 15 CFM at minimum 55 psig Comprising of below items Comprising				
5.1	N2O Duplex Manifold System (tested for 3500 psig) suitable for 3 nos. 45 liters water capacity cylinders on each LHS & RHS complete with Master shut of valve, high pressure copper pipe (ISO 7396-1) of 25 mm OD header, Firged Header to cylinder tees to suit pig tail, forged brass Cylinder shut off & check valve, High pressure copper pig tail, comprising baseframe, stand pipe, cylinder holding straps with all steel & structural work in 1 coat of surface tolerant primer & 2 coat of polyurathene with marine grade heat resistance thickness 100 DFT As per tender technical specifications	indigenous			
5.2	Fully Automatic Medical N2O Duplex Manifold control panel wall mounted for conforming to NFPA 99, complete with eaach bank Shut off & Check Valve, Presure switch, Pressure gauge, Pressure transducer, first level diaphragm regulator & intermediate relief valve. The Line shut off valve with pressure gauge & bleed valve, solenoid valve, line vent valve shall be provided. The LED visual shall be available for Green -In use/Green-Ready/Red- Empty shall be available including wall/floor supporting. As per tender technical specifications	Imported			
5.3	N2O Emergency Simplex Manifold System (tested for 3500 psig) suitable for 2 nos. 45 liters water capacity cylinders complete with Master shut of valve, high pressure copper pipe (ISO 7396-1) of 25 mm OD header, Firged Header to cylinder tees to suit pig tail, forged brass Cylinder shut off & check valve, High pressure copper pig tail, comprising baseframe, stand pipe, cylinder holding straps with all steel & structural work work in 2.5mm HRCA steel & zinc plated with Epoxy paint. As per tender technical specifications	indigenous			
5.4	Fully Automatic Emergency N2O Manifold control assembly , wall mounted for conforming to NFPA 99, complete prepiped, complete with bank isolation & check valves, Single stage diaphragm regulator, Inlet & Outlet pressure gauges, Pressure switch with pressure transducer etc. As per tender technical specifications	Imported			
5.5	45 liters water capacity cylinders for Medical N2O cylinders, 150 bar operating, Seam less, Colour coded, Seamless, Chief Controller Of Explosive approved, conforming to IS 7285 comprising handwheel, firged gas regulator, pressure relief, bursting disc indicator, discharge port suited to connecting metallic pig tail in 1 coat of surface tolerant primer & 2 coat of polyurathene with marine grade paint filled with 17 CuM of Medical N2O conforming to IP 2010/2018 As per tender technical specifications	indigenous			
6	Miscellaneous items				

Item No.	Description	Origine	Offered List of Make	We have read all item specification (Yes/No)	we have quoted against each item.(Yes/No)
6.1	Supply, Installation, Hook up, Testing, Commissioning Medical Gas Plant Central Alarm Panel in Touch Screen , NFPA 99 comoliant, located in MGSS building to give centralized view of a. Air plant. b. Vaccum Plant c. Oxygen & N2O manifolds, d. LOX vessel-Evaporators- 3 source controller. It shall monitor a. Med Ox b. N2O, c. Med Air d. Med Vac e. N2O. The factory built panel shall be wall/ floor mounted mounted in corrosion proof enclosure. The initiating signal shall be dry contacts/Ethernet. The staus indicators shall be Power On & Normal, System Fault, Each service status, self test, Mute for 80 dBA Audible & Visual alarm, 20 CHR 2 line alphanumeric text, filed programmable with scroll button. For individual service with touch screen panel showing individual gas label in colour code, service parameters, dry contacts for Normal-High-Low etc complete with structral supporting. As per tender technical specifications	Imported			
6.2	Supply, Installation, Hook up, Testing , Commissioning Zone Alarm Panel Touch screen , NFPA 99 compliant, located in each wing of each floor, to give view of services of a. Med Air. b. Med Vaccum c. Med Oxygen d.MedN2O e. Instrument air. The factory shall be panel shall be NFPA 99 compliant, floor mounted mounted in corrosion proof enclosure. The gas labels shall colour coded by gas type-service parameter-unit - Normal/Alarm (Lo&Hi)-Location. Panel indicators shall be Power On & Normal, System Fault warning, Each self test, Mute for 80 dBA Audible & Visual alarm, field programmable complete with structural supporting. As per tender technical specifications				
6.2.1	5 gas - 7th floor	Imported			
6.2.2	3 gas Ground & 1st & 4th & 5th & 6th	Imported			
6.2.3	2 gas 1st & 2nd & 3rd floor	Imported			
6.3	Supply, Installation, Testing & Commissioing of Medical Gas Distribution Zone / Area Valve Box , NFPA 99 compliant, for local isolation of service distributors on floor, factory made in corrosion proof enclosure with hinged temper proof door in 18 swg 1 coat of surface tolerant primer & 2 coat of polyurathene with marine grade heat resistance thickness having opaque door with pull ring & gauge window complete with gas labels & pressure/ vacuum gauges. As per attached Tech Specs & Layout drawings for valves sizes				
6.3.1	Zone valve box with 5 service on 7th floor including approved make Valves & 4-20 mA Transducers & gauges	Imported			
6.3.2	Zone Valve box 3 gas Ground & 1st & 4th & 5th & 6th floor including approved valves & 4-20 mA Transducers & gauges	Imported			
6.3.3	Zone Valve Box with 2 gas 1st& 2nd & 3rd floor including approved valves & 4-20 mA Transducers & gauges	Imported			
6.3.4	Area Valve box 3 gas Ground floor including approved valves & Gauges	Imported			
6.3.5	Area Valve Box with 2 gases Ground& 1st& 2nd&3rd&4th floor including approved valves & gauges	Imported			
6.4	Supply, Installation, Testing, Commissioing of Medical Gas Isolation valves, bare on line , NFPA 99 compliant, High tensile bronze/ brass 4 bolt bronze body double seal union ball type with TFE/ Viton seal 400 psig isolation valves with K type pipe stubs-Medical Grade Copper pipe for fixing in the Floor Local Zone Valve box,Area Valve Boxes, Bare for wards in HWCC building As per tender technical specifications				
6.4.1	1/2" (for 15mm OD Tube)	Imported			
6.4.2	3/4"(for 22mm OD Tube)	Imported			
6.4.3	1" (for 28 mm OD Tube)	Imported			
6.4.4	1.1/4" (for 35 mm OD Tube)	Imported			
6.4.5	1-1/2" (for 42 mm OD Tube)	Imported			
6.4.6	2" (for 54 mm OD Tube)	Imported			
6.4.7	3" (for 76 mm OD Tube)	Imported			
6.5	Supply, Installation, Testing, Commissioing of as per NFPA 99 Level 6020 Medical Grade Gas distribution piping manufactured from phophorpus deoxidized non arsenical copper to BS EN 1412:1996 grade CW024A manufactured to metric outside diameters having mechanical properties in accordance with BS EN 13348:2008-R250 half hard for sizes up to 54 mm or BSEN 133348:2008-R290 fro larger sizes in ready made built up trenches as per applicable standard, open execution on internal / external walls, in vertical shafts, above false ceilings as also inside removable trunking, in walls by chasing cutting compelete with factory made fittings such as tee/ elbow/ crossover/ wall sleeves etc., complete with vertical & horizontal supports and termination at both ends, colour coded painting etc. As per tender technical specifications				
6.5.1	15 mm ID x 0.9 mm thick	indigenous			
6.5.2	22mm ID x 0.9 mm thick	indigenous			
6.5.3	28 mm ID x 0.9 mm thick	indigenous			
6.5.4	35 mm ID x 0.9 mm thick	indigenous			
6.5.5	42 mm ID x 1.2 mm thick	indigenous			
6.5.6	54 mm ID x 1.2 mm thick	indigenous			

Item No.	Description	Origine	Offered List of Make	We have read all item specification (Yes/No)	we have quoted against each item.(Yes/No)
5.5.7	76 mm ID x 1.5 mm thick	indigenous			
6.6	Supply, Installation, Testing, Commissioning of Medical Gas specific terminal Outlets , NFPA 99 compliant,geometric quick fix type for breathing air/surgical air/medical vacuum/medical oxygen complying & matching with correct medical gas probe according to the gas service outlets to be fitted in bed head panels in General Wards & HDU areas(excluding those used in OTs). As per tender specifications				
6.6.1	Medical Oxygen	Imported			
6.6.2	Medical Air	Imported			
6.6.3	Medical Vacuum	Imported			
6.6.4	Instrument air	Imported			
6.7.1	Supply, Installation, Testing, Commissioning of Vacuum Unit complying with ISO100793 :2000 for ward areas consisting of 0-760 mbar vacuum regulator, vacuum filter & 1000 ml vacuum collection jar made from polycarbonate/ polysulphone material As per tender technical specifications	Indigenous			
6.7.2	Supply, Installation, Testing, Commissioning of Vacuum Unit complying with ISO 100793:2000 for casualty ward area consisting of 0-760 mbar vacuum regulator, vacuum filter & 1750 ml vacuum collection jar made from polycarbonate/ polysulphone material As per tender technical specifications	Indigenous			
6.8	Supply, Installation, Testing, Commissioning of Oxygen flow meters with humidifier bottle complying with ISO 15002:2008 range of 0-15 LPM, 3-5 psig humidifier setting As per tender technical specifications	Indigenous			
6.9.1	Supply, Installation, Testing, Commissioning of Hi pressure antistatic medical hoses colour coded in respect of each gas as per ISO standard As per tender technical specifications	Indigenous			
6.9.2	Supply, Installation, Testing, Commissioning of Lo pressure silicone tube medical hoses colour coded in respect of each gas as per ISO standard As per tender technical specifications	Indigenous			
6.10	Supply, Installation, Testing, Commissioning of Bed Head Panel Extruded Aluminum 3 mm thick sheet, duly rendered resistant to UV/ Chemical/ Corrosion/ Pollution resistant, while Surface mounted housing conforming to NFPA 99 standard suitable for fixing gas outlets, power socket & switch modules with identified colour , telephone/DATA connection, nurse call button complete with barrier between gas & power section etc. complete with Rails, IV Pole,Document basket, Monitor tray , LED luminaire with switch etc. As per tender technical specifications				
6.10.1	For General Care wards - Horizontal – 2 nos of gas outlets, 2 nos UPS 5A/15A universal switch socket & 14 nos. 5/15A Raw power switch sockets, 2 nos telephone/DATA connection, Nursing call system	Indigenous			
6.10.2	For General Care wards - Horizontal – 3 nos of gas outlets, 2 nos UPS 5A/15A universal switch socket & 14 nos. 5/15A Raw power switch sockets, 2 nos telephone/DATA connection, Nursing call system	Indigenous			
6.10.3	For General Care wards - Horizontal – 4 nos of gas outlets, 2 nos UPS 5A/15A universal switch socket & 14 nos. 5/15A Raw power switch sockets,2 nos telephone/DATA connection, Nursing call system	Indigenous			
6.10.4	For General Care wards - Horizontal – 5 nos of gas outlets, 2 nos UPS 5A/15A universal switch socket & 14 nos. 5/15A Raw power switch sockets, 2 nos telephone/DATA connection, Nursing call system	Indigenous			
6.10.5	For General Care wards - Vertical – 4 nos of gas outlets, 2 nos UPS 5A/15A universal switch socket & 14 nos. 5/15A Raw power switch sockets,2 nos telephone/DATA connection, Nursing call system	Indigenous			
6.10.6	For General Care wards - Pendant single arm swivel type – 4 nos of gas outlets, 2 nos UPS 5A/15A universal switch socket & 14 nos. 5/15A Raw power switch sockets,2 nos telephone/DATA connection, Nursing call system	Indigenous			
7	Supply,Installation,Testing,Hookup, Commissioning of Dummy runners will be of modular design and shall be made inextruded aluminium profiles, which can be assembled together to form each of different models catered for different applications. The lengths of the units are customizable to suit different requirements and can be joined to form extended lengths for multiple beds layout.The units will be of surface mounted type and the front covers shall be of modular design for ease of installation and maintenance on site. All screws or fasteners will be hidden for easy cleaning. Material :- Extruded Aluminium Grade:- ALU 6063 T5 Surface Finishing:-Powder Coating Color:-off-White (Standard) L X W X D :-Customizable X 200 mm X 65 MM	Indigenous			
8	Interconnection piping from LOX tank				

Item No.	Description	Origine	Offered List of Make	We have read all item specification (Yes/No)	we have quoted against each item.(Yes/No)
8.1	Excavation in foundation / trenches / pits drains etc. in all soils upto a required depth Not exceeding 1.5 mtrs. Including shoring and dewatering if necessary and refilling around foundation plinth and drain line with selected excavation earth in layers Not exceeding 250mm consolidating and disposing surplus earth out of hospital premises and backfilling as per Standard complete all as directed by the Engineer-in-Charge.	Indigenous			
8.2	Supply,Installation of GI sleeve pipe/hume pipe for copper piping run of 40 mm dia C class with complete support and fittings as per NFPA requirement	Indigenous			
8.3	Supply, Installation, Connection to LOx and existing Manifold Piping with appropriate valve and other fittings , Testing & Commisiioning of Medical grade Copper pipe Laying underground/above ground level/on wall,painting as per code, sleeve etc. complying with NFPA 99. Pipe lines should be supported at the intervals specified in NFPA 99 using suitable metallic, non ferrous material. Complete with civil/structural foundation. 35 mm ID x 0.9 mm thick				
8.3.1	35 mm ID x 0.9 mm thick	Indigenous			
8.4	Back Filling in plinth & superstructure under Floors/ Roads with selected excavated earth available within site, in layers of 15 cms. to 20 cms. Including watering, ramming consolidating to 15cm thick or so , by manually compaction or using mechanical plate compactor / vibro-roller etc. finished to desire levels all as per drawings to get MPD of 95% as per detailed drawings. Including cost of transportation anywhere within site. all complete as per specification or as directed by OIC-ES				
9	MGSS Block PCC Panel comprising of	Indigenous			
9.1	Incomer				
9.1.1	1no.-TP+N 250 A-35kA MCCB-FROH with cable spreader & integral Microprocessor based LSIG protection release, 3x metering CTs, MFM(EM6459), R/G/A lamps for On/Off/Trip & R/Y/B indications				
9.2	Outgoing				
9.2.1	7 nos.-TP 63A-25kA MCCB-FROH with cable spreader with integral LSI protection, along with R/G/A lamps for On/Off/Trip indications				
9.2.2	7 nos.-TP 40A-25kA MCCB-FROH with cable spreader with integral LSI protection, along with R/G/A lamps for On/Off/Trip indications				
10	LT CABLES				
10.1	Supplying, erecting & terminating XLPE armoured cable 3½ core 150 sq. mm. aluminium conductor with continuous 12.97 sq. mm. (8 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	Indigenous			
10.2	Supplying, erecting & terminating XLPE armoured cable 4 core 6 sq. mm. copper conductor continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	Indigenous			
10.3	Supplying, erecting & terminating XLPE armoured cable 4 core 10 sq. mm. copper conductor continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	Indigenous			
11	CABLE TRAYS				
11.1	Providing & erecting Hot dipped galvanized perforated type cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 150 mm width & 75 mm height complete with necessary coupler plates & hardware in approved manner.	Indigenous			
11.2	Supplying and erecting iron, sheet metal work consisting of CRCA sheets, various sections of iron, plates, chequered plates, rods, bars, MS pipes, etc. for panel board or any other purpose with bending, cutting, drilling and welding complete erected at the position with necessary materials duly painted with one coat of red oxide and two coats of enamel paint to match the switchgears or as per directions by the authority.	Indigenous			



**TATA MEMORIAL CENTRE
ADVANCED CENTRE FOR TREATMENT RESEARCH AND EDUCATION IN CANCER
(ACTREC).**

A GRANT-IN-AID INSTITUTE UNDER DEPARTMENT OF ATOMIC ENERGY, GOVERNMENT OF INDIA

Compliance form-2

Tender No.	TMC/ACTREC/ENGG/SP/ET-53/MGPS/HWCC/2019
Name of work:	SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF MEDICAL GAS PIPE LINE SYSTEM FOR HWCC AT ACTREC, KHARGHAR

Name of the Vendor		
Sr. No	Description	Compliance from agency
1	We have understood technical requirements and understood the same in right perspective.	
2	We have quoted for all the items in Financial Bid in the prescribed format of the tender documents.	
3	We have read the financial bid thoroughly before filling it and understood the same in right perspective	
4	We understood that partial/incomplete/vague offers are liable for rejection.	
5	We have understood the eligibility criteria as well as criteria for identifying lowest bidder.	
6	There are deviations from our(bidder) side.	
7	Deviations have been mentioned on separate page and attached with technical bid in detail. Deviation is supported with necessary documents, catalogues etc.	
8	We have noted that accepting or rejecting the deviation and consequently rights to qualify and disqualify the agency remains with competent authority of TMC- ACTREC.	
9	We have understood and accepted that accepting the tender & issuing order in full or in part will be decided by the TMC-ACTREC competent authority as per policy of the centre.	

Date

Signature



**TATA MEMORIAL CENTRE
ADVANCED CENTRE FOR TREATMENT RESEARCH AND EDUCATION IN CANCER
(ACTREC).**

A GRANT-IN-AID INSTITUTE UNDER DEPARTMENT OF ATOMIC ENERGY, GOVERNMENT OF INDIA

FORM-B1

Tender No.	TMC/ACTREC/ENGG/SP/ET-53/MGPS/HWCC/2019
Name of work:	SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF MEDICAL GAS PIPE LINE SYSTEM FOR HWCC AT ACTREC, KHARGHAR

Name of the Vendor	
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Form "B-1"

FORM FOR CERTIFICATE OF NET WORTH FROM CHARTERED ACCOUNTANT.

" it is to certify tha as per the audited balance sheet and profit & Loss account during the financial year _____, the Net Worth of M/s _____ (Name & registered Address of individual/firm/company), as on _____ (the relavant date) is _____ RS. _____ after considring all liabilities. It is further certified that the Net Worth of the company has not eroded by more than 30 % in the last three years ending on_____. (the relavant date)."

Signature of Chartered Accountant.

Name of Chartered Accountant.

Membership No. of ICAI

Date and Seal.