



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

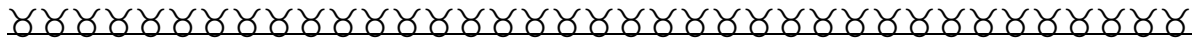
NAME OF WORK:

Supply, Installation, Testing & Commissioning of CCTV system for HWCC Building at ACTREC, Kharghar, Navi Mumbai.

E-TENDER NOTICE

NIT No : TMC/ACTREC/ENGG/KRS/ET-22/CCTV System/HWCC Building/2020

NAME OF THE AGENCY



Engineering services, Second Floor, Khanolkar Shodhika, Phone: 022 6873/2740 5000 , Ext 5710, 6873/2740 5111, 6873/2740 5067 , Fax : 27405012/30435012

E-Mail : ksuthar@actrec.gov.in, vkhair@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

Tender No:	TMC/ACTREC/ENGG/KRS/ET-22/CCTV System/HWCC Building/2020
Name of work	Supply, Installation, Testing & Commissioning of CCTV system for HWCC Building at ACTREC, Kharghar, Navi Mumbai.

LIST OF DOCUMENTS

NAME OF THE AGENCY		
Sr. No.	List of Documents	Page No.
Technical Bid. (Hard copy also to be Submitted).		
1	E.M.D. for 58,078 /-	
2	Facia Page	1
3	List of Documents	2
4	Notice Inviting Tender	3
5	General Instruction	5
6	Acceptance form	9
7	Check List	10
8	Vender Details	12
9	Scope of work	14
10	Technical Spec 1	16
11	Technical Spec 2	19
12	List of Make	24
13	NEFT Details	25
14	Special Conditions of Contract.	26
15	Compliance form-1	30
16	Compliance form-2	31
17	Form B1	32
18	Declaration form	33
19	Book containing Conditions of Contract	70Pages
Financial Bid : To be filled ONLINE ONLY		
23	Schedule of Quantity	

Note:	
1	Hard copy of Technical Bid is to be submittted 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 techncial 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	There is no need to submit hard copy of financial bid if the same is found with technical bid documents than agency will be disqualified.
4	EMD in original is to be submitted in envelop along with hard copy of technical bid. EMD is not subbmited along with bid will be disqualified.



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Advanced Centre For Treatment, Research and Education In Cancer (ACTREC)
 A GRANT-IN-AID INSTITUTE UNDER DEPARTMENT OF ATOMIC ENERGY, GOVERNMENT OF INDIA

E-TENDER NOTICE.

NAME OF THE AGENCY		
1	NIT No.	TMC/ACTREC/ENGG/KRS/ET-22/CCTV System/HWCC Building/2020
2	Name of work	Supply, Installation, Testing & Commissioning of CCTV system for HWCC Building at ACTREC, Kharghar, Navi Mumbai.
3	Estimated cost put to tender (Excluding of GST)	Rs.2903900.00
4	Earnest Money Deposit (EMD)	<p>EMD of Rs. 58078.00 to be submitted in the form of cash Receipt/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. 58078.00 in the form of cash receipt/ FDR/DD as prescribed above. or</p> <p>ii) a) 50% of EMD Amount i.e, Rs. 29039.00 in the form of cash Receipt/Demand Draft/ Bankers Cheque or Fixed Deposit Receipt as prescribed above and b) Balance amount 50% of EMD Amount i.e, of Rs. 29039.00 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. 2) EMD in the form of cheque will not be accepted. 3) EMD – As per circular Dt:12th November 2020 from Ministry of Finance and Rule 170 of General Financial Rules (GFR's) 2017, Micro and Small Enterprises (MSE's) and the firms registered with concerned Ministries / Departments are exempted from submission of EMD provided the submission of Declaration Form by the Vendor along with tender.</p>
5	Completion period	120 Days from the date of issue of work order
6	i) Performance Guarantee	3% 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	Works should have 1 years Warranty after completion of project.
9	Dates of availability of Tender Documents for view and download	<p>From ,22/12/2020 , 11:30 Hrs. to 12/01/2021 17:00 Hrs on website www.tenderwizard.com/DAE.</p> <p>Detailed NIT is also available on website www.actrec.gov.in for view only.</p>

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 022 2740/6873 5111 / 5067 , 022 2740/6873 5000 , Ext 5710.
11	Pre Bid Meeting	A. Pre-Bid query: Till 05/01/2021 on ksuthar@actrec.gov.in , vkhair@actrec.gov.in , hkelkar@actrec.gov.in . B. Pre Bid Meeting will be held on 06/01/2021 (11:00 hrs to 13:00 Hrs) . at engineering Dept ACTREC C. Post pre-bid query : Till 07/01/2021 , hkelkar@actrec.gov.in , vkhair@actrec.gov.in , ksuthar@actrec.gov.in.
12	Dead Line for submission of Original DD etc. towards Tender EMD. And technical bid hard copy.	On or before 18/01/2021 (15:00 Hrs.) in the Office of Engineering, 2nd floor, Khanolkar Shodhika, ACTREC, Navi Mumbai 410210
13	Last date and time of closing of online submission of tenders:	On or before 18/01/2021 (15:00 Hrs.)
14	Date and time of online opening of Technical Bid.	On 18/01/2021 (15:30 Hrs.)
15	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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NIT No.	TMC/ACTREC/ENGG/KRS/ET-22/CCTV System/HWCC Building/2020
Name of work	Supply, Installation, Testing & Commissioning of CCTV system for HWCC Building at ACTREC, Kharghar, Navi Mumbai.

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 022 2740/6873 5111/5067 , 022 2740/6873 5000 , Ext 5710 or you can collect hard copy from Engineering services.
3	Registered contractors can only purchase /download & upload tenders documents.
4	Interested agencies may visit www.tendervizard.com/DAE for registration.
5	Contact for assistance/ clarifications/registration on 09969395522/ 022-25487363 (Shri. Rudresh), e-mail: rudresh.tendervizard@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) 2740/6873 5111 / 5067 , 2740/6873 5000 , Ext 5710 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 31.03.2020 and on going works till the date.
10	Three similar works each costing not less than Rs.11.61 Lacs each, or (40% of Estimation Cost)
11	Two similar works each costing not less than Rs. 17.42 Lacs each, or (60% of Estimation Cost)
12	One similar work costing not less than Rs.23.23 Lacs (80% of Estimation Cost)
13	Similar works mean supply, installation, testing , commissioning and programming , integration of CCTV system IP cameras and networking work with allied electrical works.
Note: A	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.
B	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. 1451950.00 (50% of tender Amount) not having incurred any loss in more than 2 years during last 5 years ending 31.03.2020 (last Financial year).
C	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 works executed in any one year during the last five years taking into account the completed as well as works in progress.
	N-Number of years prescribed for completion of work for which bids has been invited.
	B- Value of existing commitments and on going works to be completed during the period of completion of work for which bids have been invited
D	Should not have incurred any loss in more than two years during the last five years ending 31st March, 2019.
E	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)
F	List of similar works in hand & similar works carried out by them for last 3 years indicating i) Agency for whom executed, ii) Value of work, iii) Completion time as stipulated and actual, or present position of the work.
G	List of construction plant, machinery, equipments, accessories & infrastructure facilities possessed by the agency to complete the work in time. Agency to provide their organization chart/ establishment details.
H	List of Technical staff they possess.
I	CERTIFICATES: (Scanned copy of original certificates to be uploaded). Registration, Certifications etc.
1	Performance Certificates
2	Shop and establishment/ Company registration/ other certification proving the legal entity
3	TIN Registration
4	PAN (Permanent Account Number) Registration
5	GST registartion number
6	Original Equipment Manufacturers authorization certificate
7	Work completion certificate
8	CA certificate for annual turn over, prifot loss during last 3 years.
J	UNDERTAKING as under:-
1	I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding in DAE in future forever. Also, if such a 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.
	(Scanned copy to be uploaded at the time of submission of bid).
2	The intending bidder must read the terms and conditions as per “SECTION - 1: NOTICE INVITING TENDERS” OF “CONDITIONS AND CLAUSES OF CONTRACT -” carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required. Department 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. Agency to ensure that he is eligible to provide desired services.
3	Information and Instructions for tenderers posted on website shall form of tender document.
4	Hard copy of Technical Bid shall be submitted in ACTREC before due date and time. Hard copy should have all the documents as uploaded on line. It may be noted that both the versions of technical bid submission is necessary before due date and time.
5	OBTAINING OF STANDARD DOCUMENTS: In addition to the above, the prospective agencies shall be required to possess following documents with them separately, which shall form part of Tender Documents for this work. These documents can be downloaded from the ACTREC’s website (tender section on www.actrec.gov.in) or can be purchased separately on payment of prices indicated. 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. Payment for the same can be made in cash or in the form of DD drawn in favor of Accounts Officer, ACTREC, payable at Navi Mumbai as indicated below:
	NAME OF DOCUMENT

	<p>Conditions and Clauses of Contract - 2008. Available for FREE OF COST in Engineering Services office, 2nd Floor, Khanolkar Shodhika, ACTREC.</p> <p>OR</p> <p>This document can also be downloaded from our website www.actrec.gov.in. After taking a print out, it should be duly signed, stamped and enclosed in Technical bid envelope.</p>
6	The bid can only be submitted after uploading the mandatory scanned documents such as Demand Draft or Pay order or Banker`s Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any Scheduled Bank towards cost of tender document and EMD in favor of "ACCOUNTS OFFICER, ACTREC" and Processing Fee in favor of "ITI LIMITED, NEW DELHI" and other documents as specified.
7	Those contractors 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.
8	The intending bidder must have valid class-III digital signature to submit the bid.
9	On opening date, the contractor can login and see the bid opening process.
10	Certificate of Financial Turn Over: At the time of submission of bid, contractor may upload Undertaking / Certificate from CA mentioning Financial Turnover of last 3 years or 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. This should be certified by CA.
11	Contractor 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.
12	In the case of bids in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.
13	The Department reserves the right to accept / reject any prospective application without assigning any reason thereof.
14	Short listing of the agencies 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
15	IF ANY INFORMATION FURNISHED by the applicant is found to be incorrect at a later stage, they shall be liable to be debarred from tendering / taking up works in TMC.
16	PROSPECTIVE AGENCIES SHALL SATISFY THEMSELVES OF FULFILLING ALL THE NIT CRITERIA BEFORE SUBMISSION OF TENDER. Department reserves the right of non consideration of tender of the agencies not fulfilling the stipulated criteria.
17	Any Additional work needs to be executed for completion of work, CPWD latest rates will be considered.
18	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. Vendors 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.
19	ACTREC will not be responsible for any kind of technical problem at Vendor's end in case of difficulty in up loading of tender. Agencies are advice 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.
20	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.
21	All papers submitted with the tender should bear the signature and stemp of the tenderer on every page.
22	All information in this tender shall be in English only.
23	Rate quoted should be in Indian currency only.
24	Tender containing clerical errors, typographical error/ arithmetical mistake may be libel to be rejected.

25	All the rates quoted with basic cost and GST as applicable
26	Only one rate shall be offered for the Item. Multiple rates against one item shall be rejected.
27	The tenderers shall quote rates which shall remain valid for acceptance by ACTREC for a period of 12 months or stipulated time limit as mentioned in the tender documents.
28	only lowest offer may be considered for financial negotiations.
29	Performance Gaurantee: Performance Gaurantee will have to be submitted at the rate of 3% of the contract value valid for 2 Months after completion of work to be submitted within 15 days of issue of Letter of Intent.
30	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 one Year. 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.
31	Canvassing in connection with tender/quotation is strictly prohibited.
32	Director-ACTREC reserves right to reject any or all the quotations or allot part of the work to different agencies without assigning any reason.
33	Mode of measurement will be as per the guidelines laid in the Departmental conditions of contract & technical specifications.
34	Awarding work order will be strictly as per departmental norms/policies as decided by Competent Authority of TMC-ACTREC.
35	In case holiday falls on the date of opening on the technical bid & due to any other Inappropriate reasons, tender could not be opened shall be opened on next working day.
36	Lowest bidder will be identified on the basis of total basic cost quoted in financial bid those who have already qualified in technical bid.

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

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

Tender No:	TMC/ACTREC/ENGG/KRS/ET-22/CCTV System/HWCC Building/2020
Tender Name:	Supply, Installation, Testing & Commissioning of CCTV system for HWCC Building at ACTREC, Kharghar, Navi Mumbai.

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/KRS/ET-22/CCTV System/HWCC Building/2020
Name of Work: Supply, Installation, Testing & Commissioning of CCTV system for HWCC Building at ACTREC, Kharghar, Navi Mumbai. .

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.



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

CHECK LIST FOR LIST OF DOCUMENTS SUBMITTED

NIT No.	TMC/ACTREC/ENGG/KRS/ET-22/CCTV System/HWCC Building/2020		
NAME OF WORK:	Supply, Installation, Testing & Commissioning of CCTV system for HWCC Building at ACTREC, Kharghar, Navi Mumbai.		
Name of Agency:			
Sr. No	PARTICULARS	REMARKS	
1	Name of the Bidder		
2	Postal address		
3	Contact with STD code		
4	Fax with STD code		
5	Name of Contact person		
6	Mobile No.		
7	e-mail ID		
8	BELOW GIVEN DOCUMENTS TO BE SCANNED AND UPLOAD IN THE WEBSITE www.tenderwizard.com/DAE WITHIN THE PERIOD OF SUBMISSION	SCAN COPIED ATTACHED (say scanned copy attached or not)	"YES" OR "NO"
8.1	Financial Turn Over Certified by CA		
	2017-18		
	2018-19		
	2019-20		
8.2	Profit & Loss Statement Certified by CA		
	2017-18		
	2018-19		
	2019-20		
8.3	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)		

8	BELOW GIVEN DOCUMENTS TO BE SCANNED AND UPLOAD IN THE WEBSITE www.tenderwizzard.com/DAE WITHIN THE PERIOD OF SUBMISSION	SCAN COPIED ATTACHED (say scanned copy attached or not)	"YES" OR "NO"
8.4	List of Similar Works carried out in last 7 years i) Agency for whom executed ii) Value of Work	ATTACH SCANNED COPY SEPARATELY	
8.5	List of similar works indicating: i) Agency ii) Value of Work iii) Stipulated time of completion/ present position	ATTACH SCANNED COPY SEPARATELY	
8.6	List of Construction Plants and Machinery:	ATTACH SCANNED COPY SEPARATELY	
8.7	List of Technical Staff	ATTACH SCANNED COPY SEPARATELY	
9	Certificates:		
	Work completion certificate for tender value	ATTACH SCANNED COPY SEPARATELY	
	Original Equipment Manufacturers Authorization Certificate	ATTACH SCANNED COPY SEPARATELY	
	Shop and establishment/ Company registration/ other certification proving the legal entity	ATTACH SCANNED COPY SEPARATELY	
	ii) Certificates of Work Experience /Performance certificates	ATTACH SCANNED COPY SEPARATELY	
	iii) Certificates of Registration for Sales Tax/ VAT/ WCT and Service Tax/ GST	ATTACH SCANNED COPY SEPARATELY	
	iv) TIN Registration Certificates	ATTACH SCANNED COPY SEPARATELY	
	v) PAN (Permanent Account Number) Registration	ATTACH SCANNED COPY SEPARATELY	
	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	Demand Draft , NEFT , Pay Order , of any scheduled Bank 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	
13	Bank Guarantee of any Scheduled Bank against EMD	ATTACH SCANNED COPY SEPARATELY	
14	Conditions of the Contract Book : To be down loaded from www.tenderwizzard.com/dae/help/documents/tata_memorialcentre/conditionsof_contract	SUBMITT SIGNED COPY ALONG WITH TECHNICAL BID	
15	I/WE NOTED TECHNICAL BID SALIENT GOVERNING FEATURES OF THE TENDER / WORK		
16	Validity of Offer- Min. 120 days		
17	Completion Period: 120 days		
18	I/WE certified that our TECHNICAL BID is compliant with tender document.		

Note: 1. All the fields where information is asked needs to be filled up. Please don't keep any field blank.

Date

Seal and Signature.



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Vendor Details

NIT No.	TMC/ACTREC/ENGG/KRS/ET-22/CCTV System/HWCC Building/2020
NAME OF WORK:	Supply, Installation, Testing & Commissioning of CCTV system for HWCC Building at ACTREC, Kharghar, Navi Mumbai.

Name of Agency:		
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	Registration No. Granted by Govt. body for GST	
16	GST	
17	Networth certificate: Networth Certificate of minimum 15% of the tender value issued by certified chartered Accountant (on the format Prescribed in Form B-1)	
18	No. of Man power employed by Bidder	
	1) Technical	
	2) Administrative	
	3) Financial	
19	Experience of the Bidder in dealing with the tendered item/works	
19.1	Performance Certificate / Work Completion Certificate.	
20	QUALIFYING EXPERIENCE	
	a) THREE Works costing 40% of 'Tendered Value' i.e., Rs. 11.61 Lacs each. Or	
	b) TWO Works costing 60% of 'Tendered Value' i.e., Rs. 17.42 Lacs each. Or	
	c) ONE Works costing 80% of 'Tendered Value' i.e., Rs. 23.23 Lacs each.	

21	Turn over in the last 3 years	
	2017-18	
	2018-19	
	2019-2020	
22	Average Turn Over for Last 3 Years, certified by CA.	
23	Details of work orders in the last 7 years, amount, Name of Authority, Completion Period etc. (separate sheet)	
24	List of plant & machinery of bidder (attach separate sheet)	
25	Demand Draft/Cash Receipt Number for EMD, Amount, Date, Bank, etc.	
26	There are 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

Signature

Name of authorized person for bidder with seal



TATA MEMORIAL CENTRE
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Kharghar, Navi Mumbai – 410210.

NIT No:	TMC/ACTREC/ENGG/KRS/ET-22/CCTV System/HWCC Building/2020
Name of Work:	Supply, Installation, Testing & Commissioning of CCTV system for HWCC Building at ACTREC, Kharghar, Navi Mumbai.
Name of Agency:	

	Scope of Work :
1	Supply, installation, testing, commissioning, integration of CCTV surveillance system for HWCC building (G+7 Floor) at ACTREC.
2	Scope of work includes SITC of IP cameras with mounting accessories, CAT 6 Cables, POE switches, Network switches, NVR, LED screen, work station computer with VMS software, mobile client, programming, wall mounted rack including spike guard and other mounting accessories, UPS, fiber LIU, media converter, adaptors, connectors for CAT 6, termination accessories, hard disk, patch cords, PVC conduits / cassing cappings and final commissioning of the entire system to the satisfaction of end user
3	SITC of IP camera as per location decided by ACTREC team for up to 4th floor in HWCC building
4	SITC of POE switches, Network Switches, CAT 6 LAN cables in PVC conduits / cassing capping for all floor in HWCC building.
5	Installation of IP camera, NVR, CCTV Rack, Work station computer, LED TV for monitoring, POE switches shall be done as per location finalized by ACTREC.
6	Defect liability period is 01 year after completion date.
7	Agency has to quote for AMC of 5 years after completion of defect liability period of 1 year
8	Health check of CAT 6 Cable is to be done and report to be submitted before final payment claimed
9	Civil related work like wall penetration, excavation if any is in the scope of agency and have to do final finishing and painting as and where required
10	The scope of work detailed above are indicative of the probable nature of the works only and the entire scope of work is not limited to the information furnished above.
11	Agency has to submit as built drawing of CCTV system for all floors
12	UPS to be provided with 30 Min power back up
13	CAT 6 patch cords, and fiber patch cords to be provided as factory made
14	Agency has to supply IP cameras, NVR, POE switches, work station computer, Hard disks with likely equivalent to specification mentioned in tender documents.
15	NVR must support different brand IP cameras and vice versa
16	system must run without any hindrance and playback for 30days must be recorded in NVR
17	All terminations and final commissioning programming and integration of the system
18	Agency has to provide spares as available with supply material
19	System operating training to be provided to end user
20	No chinese products accepted. Agency must not supply any chinese product, parts.
	Software specification to be as below:
1	Software for work station to be provided free of cost
2	It Should be Possible to configure, playback & live streaming of cameras added to other NVR from the main NVR without the need of any server/workstation.
3	The system should be capable of integrating with IP cameras of any brand which supports ONVIF 2.0 & above or ONVIF S profile.
4	It should be possible to define a different number of Retention days for individual cameras.
5	NVR should have a configuration wizard for quick configurations.
6	NVR should show the estimated number of storage days.
7	The device must be capable of taking Snapshot with integrated Access control and time attendance system of the same brand in case of user allow/denied events.
8	Digital Zoom during live view.
9	The system should be able to take a Snapshot during live view/ playback in JPEG format.
10	The Device Must Provide Configuration Backup.
11	It Should Have its Own Free DNS Server.
12	Video pop-up for both Desktop and Local clients.
13	3 User Access Levels (Default): Admin, Viewer, and Operator
14	10,000 Events Log
15	NVR Should Be Capable of Exporting Files in Native and AVI File Format to FTP and USB.
16	NVR should have IP Address Filtering to Enhance Security.
17	System Admin Should Be Capable of Programming PTZ Tour.
18	Dual Stream Option Should Be Available for Simultaneous Recording and Transmission of Video on The Network Depending on The Bandwidth.
19	The system should support Daylight Saving Time (DST).
20	The Device Should Be Designed, Developed, and Manufactured in India.

	Mobile Client Software
1	Mobile application should be Provided by The Vendor Free of Cost with the NVR.
2	It should be possible to see the playback from a mobile client.
3	The Mobile client Should Have 4 x 4 Layout for Display cameras.
4	The Mobile client Should Have Digital Zoom functionality.
5	The Mobile client Should Be Able to Control PTZ Cameras.
6	The Mobile client Software Should Support Up To 50 NVRs.
7	Software Should Have Feature to Configure Camera as Favourite Channels.
8	Mobile Viewer Application Should Function on Android and IOS Based Phones.
9	Mobile Viewer Application Should Support Calling from Mobile App Feature Where a Mobile Number Can be Added Per Camera in the Device and The User Can Directly Call a Concerned Person by Just One Click on Camera View from Mobile(without any SIM card in NVR)

	General conditions
1	Transportation of related materials from the factory/ coustomes (if imported) to ACTREC installation site respectively, unloading, keeping the same at site appropriately for execution and installation thereafter in th scope of agency.
2	All areas must be cleared from debris/ dismantled materials before completion certificate is issued for settlement of final payment. Bill will be settled as per the joint measurement for actual work done.
3	Agency should submit all the necessary test reports, certificates, undertakings etc. as required before settling of payment.
4	Once the order is issued, agency to contact respective engineer-in-charge for administrative activities, challans, gate pass, submisson of bills, any other site related activities etc.
5	All Civil related excavation work to be carried out by the agency.
6	All the features/functionalties must be shown and tested before completion certificate is issued for settlement of final payment. Bill will be settled as per actual measurement.
7	Agency should submit all the necessary catalogues, Brochures , as laid drawings/schematic, test reports, certificates, undertakings etc. as required before settling of payment.
8	Agency should provide training to Engineering for operation & maintenance. Operational training to ACTREC staff is to be given in ACTEC itself.
9	Agency has to provide 1 year warranty for entire CCTV system and service and maintenance support during defect liability period on free of cost.
10	All camera recordings shall have Camera ID & location/area of recording as well as date/time stamp. Camera ID, Location/Area of recording & date/time shall be programmable by the system administrator with User ID & Password.
11	All devices and components must be compliance with ONVIF, Comply UL,CE and FCC Certifications and conform to all required standards.
12	Retrieval: The CCTV application should allow retrieval of data instantaneously or any date / time interval chosen through search functionally of the application software. In case data is older than 30 days and available, the retrieval should be possible. The system should also allow for backup of specific data on any drives like CD/DVD/Blue ray Recorders or any other device in a format which can be replayed through a standard PC based software. Log of any such activity should be maintained by the system which can be audited at a later date.
13	Storage: Data storage should be at a central location. The capacity of the storage should be equal to 30 days of recording of all cameras.
Note :	The agency is requested to visit the site to know actual scope of work before quoting.



TATA MEMORIAL CENTRE
Advanced Centre For Treatment, Research and Education In Cancer (ACTREC)
Kharghar, Navi Mumbai – 410210.

NIT No.	TMC/ACTREC/ENGG/KRS/ET-22/CCTV System/HWCC Building/2020
Name of Work:	Supply, Installation, Testing & Commissioning of CCTV system for HWCC Building at ACTREC, Kharghar, Navi Mumbai.
Name of Agency:	

Detail Technical Specification

Agency has to supply IP Cameras , NVRs and POE switches , Hard disk equivalent to specification mentioned as below.

Technical Specification for 64channel NVR	
SYSTEM	
Control Mode	Desktop Client, Mobile Client, and Local client (Through HDMI)
OS	Embedded Linux
Processor	ARM cortex- Quad Core
VIDEO AND AUDIO	
Video Input	64 IP channels
Video Output	HDMI (2.0) – 1 Port (Main)
Video Compression	H.265/H.264/ Motion JPEG
Audio input	1 Channel, RCA Port
Audio Output	1 Channel, RCA Port
Audio Compression	G.711
Two-way Audio	Required
DISPLAY	
Recording Resolution	12MP, 8MP, 5MP, 4MP, 3MP, 2MP, 720p, D1, CIF
Decoding Resolution (on local display)	Up to 4K
Split (Through LAN/HDMI)	1x1, 2x2, 3x3, 4x4, 1+5, 1+7, 3+4, 2+8, 1+12, 1@+12, 1+9, 4+9, 2+12, 5x5, 6x6, 8x8 and Sequential
Digital Zoom	Required in both live view & Playback
OSD	Channel Number, Name, Bit rate, video loss
Snapshot Format	JPEG
Recording type	Continuous, Scheduled, Manual, Alarm
Bandwidth Optimization	Yes
PLAYBACK AND BACKUP	
Synchronous Playback	4 channels @ 1080P
Search Mode	Date & Time, Camera, Recording Type, Recording Drive
Playback Modes	Fast Forward, Slow Forward, Slow Reverse, Fast Reverse at Different Speed Control, Next-Previous Frame
Backup	Manual Backup & Scheduled Backup
Configuration Backup	Required
Remote Operations	Monitor, PTZ Control, Playback, System Setting, File Download, Log Information, Upgrade
VIDEO DETECTION AND ALARMS	
Camera events	Motion Detection, Recording Start, Recording Fail, Camera offline, Camera online
System events	Manual Trigger, On Boot Alarm, Storage Alert, Disk Volume Full, Disk Fault, Scheduled Backup Fail
Actions	Recording on Selected Channel, Upload Images on FTP/Email server, Email Notification with Snapshot, TCP Notification, Recall PTZ Preset Position, Turn On/Off Alarm Outputs, Buzzer Notification, SMS Notification
REQUIRED DEVICE STATUS	
Camera status, Manual recording, Scheduled recording, Alarm recording, Adaptive recording , FPS and GOP count , FPS and GOP count , Motion detection, View tampering, Tripwire, Object intrusion, Missing Object, Suspicious Object, Loitering Detection, Audio Exception, Object Counting , CPU usage display , CPU temperature display , Thermal shutdown	
STORAGE	
SATA Interface	8 SATA III (10TB per port)
NAS	2 NAS (CIFS, NFS)
RAID	RAID-0, RAID-1, RAID-5, RAID-10
Recording Retention	Camera wise, HDD usage % wise, Day wise
NETWORK	
Incoming Bandwidth	256 Mbps
Outgoing Bandwidth	256 Mbps
Maximum User	120 Programmable
Simultaneous login	9
Network Protocols	TCP/IP, DHCP, PPPOE, DNS, DynDNS, FTP, SMTP, NTP, RTP/RTSP, CIFS/NFS
INTERFACES	
Audio Input	1 Channel, RCA Port (1V _{RMS})
Audio Output	1 Channel, RCA Port (0.5V _{RMS})
Alarm Input	2 Ports (Max. load resistance: 4.7 KΩ)
Alarm Output	1 Port (Max load power: <50VA, Max load current: <1A)
Network Interface	2 Ports x Ethernet (RJ-45) 10/100/1000Mbps
USB	3 ports (2 x USB 2.0, 1x USB 3.0)
Number of SATA Interface	8 Ports (SATA III)

HDD size	10 TB HDD support (with 6Gb/s speed)
HDMI	HDMI (2.0) – 1 Port (Main)
Reset Switch (Network, User account and General settings)	Required
Buzzer	Required
CERTIFICATION	
Regulatory Approvals/ Certifications	FCC (FCC Part 15 Subpart B Class A), ROHS, BIS, CE, EN/IEC
ELECTRICAL AND MECHANICAL	
Operating temperature	0°C to +50°C (32°F to 122°F)
Humidity range	5% to 95% RH Non-Condensing
Power input	SMPS (100-240-volt AC)
Chassis	19" Rack mount
Power consumption (without Hard disk)	≤75W

Technical Specification of POE switches	
Device type	Switch: 1G / 28 Ports
Enclosure type	1U - Rack Mountable
Ports	24 x 10/100/1000 + 4 x Gigabit SFP (2 combo)
Power over Ethernet	PoE+ (24 ports, >190 W)
Performance	Switching capacity : 56 Gbps , Forwarding performance (64-byte packet size) : 38.69 Mpps
MAC address table size	16K entries
Capacity	4096 active VLANs
Jumbo frame	Yes
Remote management protocol	SNMP 1, RMON 1, RMON 2, RMON 3, RMON 9, Telnet, SNMP 3, SNMP 2c, HTTP, HTTPS, TFTP, SSH, CLI
Features	Layer 3 switching, Layer 2 switching, DHCP support, VLAN support, IGMP snooping, syslog support, DoS attack prevention, port mirroring, WRR queuing, broadcast storm control, IPv6 support, multicast storm control, unicast storm control, STP support, RSTP support, MSTP support, TFTP support, ACL support, quality of service (QoS), jumbo frames support, SNMP, RMON, SNTp
Compliant standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.3af PoE, IEEE 802.3at PoE, IEEE 802.3az
RAM	512 MB
Flash memory	256 MB flash
Interfaces	24 x 10Base-T/100Base-TX/1000Base-T - RJ-45 (24 x PoE+) 2 x combo SFP slot + RJ-45 2 x SFP slot 1 x USB port - file management 1 x RJ-45 console & management
Voltage required	AC 120/230 V (50/60 Hz)
Compliant stds	UL, FCC, CSA
Operating Temperature	0 to 50 Degree C
Humidity Operating Range	10 - 90% (non-condensing)

Technical Specification of Hard Disk 10TB	

Features and Performance	
Interface	SATA 6GB/s , Suitable for 64 channel NVR
Drive Bays Supported	8+
Cameras Supported	up to 64
Max. Sustained Transfer Rate OD (MB/s)	210MB/s
Cache (MB)	256
Reliability/Data Integrity	
Tarnish Resistant	yes
Load/Unload Cycles	300000
Nonrecoverable Read Errors per Bits Read, Max	1 per 10E15
Power-On Hours per Year (24x7)	8760
Workload Rate Limit (WRL) 2	180
MTBF	1,000,000hr
Warranty, Limited (years) 3	3
Power Management	
Startup Current, Typical (12V, A)	1.8
Average Operating Power (W)	6.8w
Idle Average (W)	4w
Standby Mode/Sleep Mode, Typical (W)	0.8/0.8
Voltage Tolerance (5V)	±5%
Voltage Tolerance (12V)	±10%
Environmental/Temperature	
Operating (ambient, min °C)	5
Operating (drive case, max °C) 4	70
Nonoperating (ambient, min °C)	-40

Technical Specification of Workstation Computer	
<p>Supply, installation, testing & commissioning of Client Workstation with Video management software as per following specifications: Intel® Core™ Intel Core i7-8700, 3.2 GHz, OS - Genuine Microsoft Windows® 10 Enterprise 64-bit, RAM - 16GB, Hard Drives - 2TB, 7200RPM SATA3, Video Adaptor - Integrated Intel UHD graphics 630 supporting 2 Monitors over HDMI/VGA, Network Connection - 1 Gbit/sec or greater, Two(2) PCI-Express Expansion Slots 2/4 USB, CD/DVD ROM, 32" HDMI Monitor, USB Keyboard and Mouse, UPS, associated cables etc.</p>	



TATA MEMORIAL CENTRE
Advanced Centre For Treatment, Research and Education In Cancer (ACTREC)
Kharghar, Navi Mumbai – 410210.

NIT No:	TMC/ACTREC/ENGG/KRS/ET-22/CCTV System/HWCC Building/2020
Name of Work:	Supply, Installation, Testing & Commissioning of CCTV system for HWCC Building at ACTREC, Kharghar, Navi Mumbai.
Name of Agency:	

Details of technical specification required for IP cameras

Parameters	3 MP Fixed Dome Camera 2.8mm Lens	3 MP Fixed Dome Camera 6mm Lens	5MP IR Bullet Motorized Varifocal 2.8mm to 12mm Lens Outdoor type
Image Sensor	1/2.8" or better Progressive Scan, Back Illuminated CMOS colour sensor	1/2.8" or better Progressive Scan, Back Illuminated CMOS colour sensor	1/2.8" or better Progressive Scan, Back Illuminated CMOS colour sensor
Maximum Resolution	3 MP (2048 x 1536)	3 MP (2048 x 1536)	5 MP (2592 x 1944)
Lens Type / Focal Length	2.8 mm fixed lens	6 mm fixed lens	2.8mm – 12mm , Focas Range 0.m to Infinity , Auto Focus , Camera Adjustment Angle : Pan: 0° to 360° (in combo) , Tilt: (-90°) to 90° , Rotate: 0° to 360° (in combo)
FOV	HFOV - 101°, VFOV - 75°, DFOV - 127°	HFOV – 52°, VFOV – 38°DFOV – 66°	HFOV: 106° - 32°, VFOV: 73° - 32°, DFOV: 142° - 39°
Aperture (F#)	F 1.2	F 1.2	F 1.4 – F3.2
Iris	Fixed iris	Fixed	Motorized
Shutter speed	1/25 s-1/17000s	1/25s -1/17000s	1/25s -1/59000s
Minimum Illumination	Color - 0.01 Lux @ (F1.2 AGC ON) Monochrome - 0 Lux	Color - 0.01 Lux @F1.2 (AGC ON) Monochrome - 0 Lux	Color - 0.01 Lux @F1.4 – F3.2 (AGC ON) Monochrome - 0 Lux
Day/Night Camera Switching	Automatic/ Manual/ schedule	Automatic/ Manual/ schedule	Automatic/ Manual/ schedule
Built-in IR irradiance up to	50 m	50 m	50m , IR LED Wavelength 850nm
Noise Reduction	2 DNR, 3 DNR	2 DNR, 3 DNR	3 DNR, 3 DNR
Adaptive streaming	Should reduce the FPS and Bit rate during no activity period.	Should reduce the FPS and Bit rate during no activity period.	Yes , Should reduce the FPS and Bit rate during no activity period.
Signal to Noise Ratio (SNR)	≥70 dB	≥70 dB	≥70 dB
Backlight Compensation (BLC)	Supported	Supported	Supported
Wide Dynamic Range (WDR)	120 dB True WDR	120 dB True WDR	True WDR (120dB)

VCA	Motion detection, View Tamper Detection, Tripwire Detection, object Intrusion	Motion detection, View Tamper Detection, Tripwire Detection, object Intrusion	Motion recording /No Motion Detection, Tamper Detection, Trip/No Trip Detection, Object Intrusion/Zone Intrusion, Audio Exception, Missing/ Suspicious Object Detection, Object Counting, Loitering Detection
Events and actions	IP conflict, Network Disconnect, Storage Full, Time Trigger, Email, SMS, TCP notification	IP conflict, Network Disconnect, Storage Full, Time Trigger, Email, SMS, TCP notification	IP conflict, Network Disconnect, Storage Full, Time Trigger, , Upload Image and clip : SD, NAS, FTP , Email, SMS, TCP notification
Image Enhancement	Saturation/ Contrast/ Sharpness/Brightness/Auto Exposure/ Gamma /White balance/ HVS & Forensic, Intelligent Defog	Saturation/ Contrast/ Sharpness/Brightness/Auto Exposure/ Gamma /White balance/ HVS & Forensic, Intelligent Defog	Rotation/Saturation/Contrast/Sharpness/Brightness/Hue/ White Balance
ONVIF Compliance	Profile S & Profile G	Profile S & Profile G	Profile S & Profile G
	The IP Camera make, and model shall appear on the ONVIF Conformant Products List	The IP Camera make, and model shall appear on the ONVIF Conformant Products List	The IP Camera make, and model shall appear on the ONVIF Conformant Products List
Unicasting/ Multicasting	Supported	Supported	Supported
Auto initiation	The camera shall connect to the Video Management Software (VMS) or Network Video recorder (NVR) of the same brand without any need of Static IP to the Camera in LAN as well as WAN.	The camera shall connect to the Video Management Software (VMS) or Network Video recorder (NVR) of the same brand without any need of Static IP to the Camera in LAN as well as WAN.	The camera shall connect to the Video Management Software (VMS) or Network Video recorder (NVR) of the same brand without any need of Static IP to the Camera in LAN as well as WAN.
ROI	Supported	Supported	Supported
Privacy masking	Up to 3 Zone programmable	Up to 3 Zone programmable	Up to 3 Zone programmable
AWB	Supported	Supported	Supported
Network Failure recording	In case of Network failure, the Camera shall start recording on NAS or SD Card, which can be retrieved back when the network connectivity restores (if VMS belongs to the same brand)	In case of Network failure, the Camera shall start recording on NAS or SD Card, which can be retrieved back when the network connectivity restores (if VMS belongs to the same brand)	In case of Network failure, the Camera shall start recording on NAS or SD Card, which can be retrieved back when the network connectivity restores (if VMS belongs to the same brand) Edge recording , Alarm recording supported
MAC Address	The Mac Address of the Camera shall be registered in the name of the OEM.	The Mac Address of the Camera shall be registered in the name of the OEM.	The Mac Address of the Camera shall be registered in the name of the OEM.
	Video	Video	Video
Supported Resolutions	2048 x 1536, 1920 x 1080, 720p, D1,2CIF,CIF,QCIF	2048 x 1536, 1920 x 1080, 720p, D1,2CIF, CIF, QCIF	2592 x 1944, 2592 x 1520, 2048 x 1536, 1920 x 1080, 720p, D1, VGA, 2CIF, CIF, QCIF
No of Stream Profiles	4	4	3
Video Compression	H.265	H.265, H.264, MJPEG	H.265,
	H.264		H.264,
	MJPEG		MJPEG
Frame Rate (FPS)	1 to 30	1 to 30	1-30fps
Video Standard	PAL	PAL	PAL
Number of Streaming profiles support	Four Profiles Support	Four Profiles Support	Three profiles support
	Profile 1: 2048x1536 @30fps (H.264/H.265)	Profile 1: 2048 x 1536 @ 30fps (H.265/H.264)	Profile 1: 2592 x 1944 @ 30fps (H.265/H.264)
	Profile 2: D1 @30fps (H.265/H.264)	Profile 2: D1 @ 30fps (H.265/H.264)	Profile 2: VGA @ 30fps (H.265/H.264)
	Profile 3: 2048x1536@5fps (MJPEG)	Profile 3: 2048 x 1536 @ 5fps (MJPEG)	Profile 3: 2048 x 1536 to 8fps (MJPEG)
	Profile 4: 720p @30fps (H.265/H.264/MJPEG)	Profile 4: 720p @ 30fps (H.265/H.264/MJPEG)	
Bitrate	32 kbps-8 Mbps	128 kbps-8Mbps	128 kbps-8Mbps
Edge Storage	SD Card - 512 GB & NAS	SD Card - 512 GB & NAS	SD Card - 512 GB & NAS
Bitrate Type	CBR, VBR	CBR, VBR	CBR, VBR

	Network	Network	Network
Ethernet	10Base-T/100BaseTX Ethernet (RJ-45)	10Base-T/100BaseTX Ethernet (RJ-45)	10Base-T/100BaseTX Ethernet (RJ-45)
Network protocols	TCP/IP, HTTP, HTTPS, QoS, DHCP, DNS, DDNS, RTP, RTCP, RTSP, PPPOE, SMTP, NTP, HTTPS, TLS/SSL, FTP, ICMP, IGMP, ARP, UDP, 802.1x, SNMP, UPnP and Bonjour	TCP/IP, HTTP, ARP, DSCP, QoS, DHCP, DNS, DDNS, RTP, RTCP, RTSP, PPPOE, SMTP, NTP, HTTPS, TLS/SSL, FTP, ICMP, IGMP, 802.1x, SNMP	TCP/IP, HTTP, ARP, DSCP, QoS, DHCP, DNS, DDNS, RTP, RTCP, RTSP, PPPOE, SMTP, NTP, HTTPS, TLS/SSL, FTP, ICMP, IGMP, 802.1x, SNMP
Audio Input/ Output	1 Audio In, 1 Audio Out	1 Audio In, 1 Audio Out	1 Audio In, 1 Audio Out
Audio Compression	Two Way Audio Full Duplex with G711 and G726 compression	Two Way Audio Full Duplex with G711 and G726 compression	Two Way Audio Full Duplex with G711 and G726 compression
Alarm input/output	1 Alarm IN, 1 Alarm Out , Alart for IP conflict , network disconnect , storage full	1 Alarm IN, 1 Alarm Out , Alart for IP conflict , network disconnect , storage full	1 Alarm IN, 1 Alarm Out , Alart for IP conflict , network disconnect , storage full
	General	General	General
Regulatory Approvals/ Certifications:	Specific models should be UL listed, CE, FCC compliant	Specific models should be UL listed, CE, FCC compliant	Specific models should be UL listed, CE, FCC compliant
	EN/IEC, IP66 ,IK10,BIS.	EN/IEC, IP66, IK10, BIS.	BIS, CE, IP66, FCC Part-15 Subpart B, ONVIF S & G, IK10, UL
	Note: All the reports and certificates shall be from a NABL accredited Lab	Note: All the reports and certificates shall be from a NABL accredited Lab	Note: All the reports and certificates shall be from a NABL accredited Lab
Power	POE (802.3af/at), 12 V 2A	POE (802.3af), 12V	12V (DC); 802.3af (PoE) , power consumption <8W
Operating Temperature	-20°C- +50°C	-20°C- +50°C	-20°C to 50°C
Storage Temperature	-20°C- +50°C	-20°C- +50°C	-20°C to 50°C
Operating Humidity	90% or less	90% or less	Less than 90% RH (non-condensing)

Parameters	Specification for 5MP 360Degree Panaromic IP Camera
Image Sensor	1/3.2" or better progressive scan RGB CMOS colour sensor
Maximum Resolution	Overview: 2592x1944 (5 MP) to 160x120 Panorama: 1920x720 to 320x120 270° Corner right or left: 1920x720 to 320x120 Double Panorama: 1920x1440 to 160x120 270° Corner right and left: 1920x1440 to 160x120 Quad view: 1920x1440 to 160x120 View area 1-4: 1920x1440 to 160x90
Lens Type / Focal Length	Fixed, 1.27 mm, F2.0, M12 mount, Fixed iris, IR corrected Horizontal field of view: 187° Vertical field of view: 168°
FOV	Rotation ±180° , 360Degree panaromic view
Aperture (F#)	F2.0
Iris	Fixed Iris
Shutter speed	1/24500 s to 2 s
Minimum Illumination	Color: 0.3-200000 lux B/W: 0.06 lux
Day/Night Camera Switching	Automatically removable infrared-cut filter

Note:
Note: The bidder must state the Make and model of the sensor to ensure the authenticity of the component. the bid would be disqualified if the sensor used is not as mentioned by the bidder
All devices and components must be compliance with ONVIF, Comply UL,CE and FCC Certifications and conform to all required standards.

Built-in IR irradiance up to	50m
Signal to Noise Ratio (SNR)	≥70 dB
Backlight Compensation (BLC)	Supported
Wide Dynamic Range (WDR)	120 dB True WDR
VCA	Motion detection, View Tamper Detection, Tripwire Detection, object Intrusion
Events and actions	Event triggers Analytics, external input, edge storage events, call , Event Actions : File upload: FTP, HTTP, network share and email Notification: email, HTTP and TCP and SNMP trap External output activation, pre- and post-alarm video buffering, overlay text, make call, PTZ preset, guard tour, video recording to edge storage
Image Enhancement / Image setting	Compression, color, brightness, sharpness, contrast, white balance, exposure control, exposure zones, backlight compensation, WDR – dynamic contrast, fine tuning of behavior at low light, rotation: 0°, 180°, text and image overlay, privacy mask, mirroring of images
ONVIF Compliance	Profile S & Profile G The IP Camera make, and model shall appear on the ONVIF Conformant Products List
Network Failure recording	In case of Network failure, the Camera shall start recording on NAS or SD Card, which can be retrieved back when the network connectivity restores (if VMS belongs to the same brand)
MAC Address	The Mac Address of the Camera shall be registered in the name of the OEM.
	Video
Supported Resolutions	Overview: 2592x1944 (5 MP) to 160x120 Panorama: 1920x720 to 320x120 270° Corner right or left: 1920x720 to 320x120 Double Panorama: 1920x1440 to 160x120 270° Corner right and left: 1920x1440 to 160x120 Quad view: 1920x1440 to 160x120 View area 1-4: 1920x1440 to 160x90

No of Stream Profiles	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth, VBR/MBR H.264
Video Compression	H.264 (MPEG-4 Part 10/AVC) H.264 Baseline and Main Profile, Motion JPEG
Frame Rate (FPS)	12 fps in 360° overview and panoramic views
Video Standard	PAL
Number of Streaming profiles support	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth, VBR/MBR H.264
	Multiview Streaming : 360° overview, Dewarped panorama, double panorama, 270° corner, and quad views. Up to 4 individually cropped out and dewarped view areas. When streaming 4 dewarped view areas and one 360° overview in VGA resolution, the frame rate is 10 fps per stream
Bitrate	32 kbps-8 Mbps
Edge Storage	512 MB RAM, 128 MB Flash , Support for microSD/microSDHC/microSDXC card
	Network
Ethernet	10Base-T/100BaseTX Ethernet (RJ-45)
Network protocols	IPv4/v6, HTTP, HTTPSa , SSL/TLSa , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnPPTM, SNMP v1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, SIP
Audio Input/ Output	1 Audio In,1 Audio Out
Audio Compression	Two Way Audio Full Duplex with G711 and G726 compression
Audio streaming	Two-way, full duplex Echo cancellation and noise reduction
Alarm input/output	1 Alarm IN, 1 Alarm Out , Alart for IP conflict , network disconnect , storage full
	General
Regulatory Approvals/ Certifications:	Specific models should be UL listed, CE, FCC compliant
	IP66-, NEMA 4X-, and IK10-rated impact-resistant aluminum casing with transparent, polycarbonate cover and dehumidifying membrane, captive screws (Resistorx® 10) Color: white NCS S 1002-B
Power	POE (802.3af/at), 12 V 2A
Operating Temperature	-20°C- +50°C
Storage Temperature	-20°C- +50°C
Operating Humidity	Humidity 10-100% RH (condensing)

**TATA MEMORIAL CENTRE****Advanced Centre For Treatment, Research and Education In Cancer (ACTREC)****Kharghar, Navi Mumbai – 410210**

NIT No :	TMC/ACTREC/ENGG/KRS/ET-22/CCTV System/HWCC Building/2020
Name of Work :	Supply, Installation, Testing & Commissioning of CCTV system for HWCC Building at ACTREC, Kharghar, Navi Mumbai.
Name of Agency:	

List Of Make

Sr No	Item Description	Make
1	IP Camera	Matrix , Axis , BOSCH , Pelco
2	CAT 6 Cable	Commscope , Netconnect , D Link , Schneider
3	NVR	Matrix , Axis , BOSCH , Pelco
4	Hard Disk	SEAGATE / TOSIBA / WD / HITACHI
5	POE Switches	CISCO / Alcatel Lucent / Netconnect
6	LED TV	LG , Samsung ,Sony
7	Work Station Computer	HP , DELL , Lenovo
8	OS2 fully loaded fiber tray which includes adaptors, pigtails,splice protectors,etc	Commscope , Netconnect , Alcatel lucent ,
9	Fiber optic cable Termination accessories , Media Converter	Commscope , Netconnect , Alcatel Lucent.
10	LIU switch	CISCO / Alcatel Lucent / Netconnect
11	Patch cord LC - SC -PC type	Commscope , Netconnect , D Link , Schneider
12	PVC Conduit / Casing Capping	Preceision / Balco / Clipsal / Polycab
13	Patch panels	Commscope , Netconnect , CISCO , Alcatel Lucent, D Link
14	UPS	APC , vertive , Emersion

I hereby declare that i will use above mentioned makes/brands only, marked against the material description during work execution.

Agency has to take prior approval from EIC, OIC before providing different makes.

Agency must not supply any chinese products , parts.

Signature of the tenderer with stamp



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

NIT No :	TMC/ACTREC/ENGG/KRS/ET-22/CCTV System/HWCC Building/2020
Name of Work :	Supply, Installation, Testing & Commissioning of CCTV system for HWCC Building at ACTREC, Kharghar, Navi Mumbai.
Name of Agency:	

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.



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

Tender No:	TMC/ACTREC/ENGG/KRS/ET-22/CCTV System/HWCC Building/2020
Tender Name:	Supply, Installation, Testing & Commissioning of CCTV system for HWCC Building at ACTREC, Kharghar, Navi Mumbai.

NAME OF THE AGENCY	
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Special Terms and conditions of contract

	<u>ELIGIBILITY CRITERIA:</u>
1	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.
2	There shall be a screening committee appointed by Director ACTREC to examine the list of documents 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 committee.
3	Agency who carried out similar nature and magnitude of work like supply, installation, testing, commissioning and programming, integration of CCTV system IP cameras and networking work with allied electrical works.
4	Lowest bidder will be identified on the basis of basic cost only quoted in financial bid those who have already qualified in technical bid. GST will be extra as applicable.
5	Bidders should have their office / technical support team in the vicinity of Navi Mumbai/Mumbai area. (MMRD)
6	Agency will have to quote for <u>one brand only</u> . List of make is provided for reference. Third party components needs to be disclosed in Compliance form for technical evaluation and acceptance. Do not right LOCAL make.
7	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.
8	Transportation of materials from the factory to ACTREC installation site respectively, unloading, keeping the same at site appropriately and placing as per the instructions of Engineer-in-charge.
9	Agency to submit all relevant documents, test reports/certificates, post installation servicing if any.
10	Agency is responsible to any hazards or damage occurs to the ACTREC infrastructure buildings and insurance of this comes in their account during work execution.
11	Once the order is issued, agency has to contact respective engineer-in-charge for administrative activities, challans, gate pass, submission of bills, any other site related activities etc.
12	ACTREC requires that the successful agency will enter into an agreement for on above Subjected work mutually agreed terms and conditions on placement of order.
13	The tenderer/Bidder should be competent enough to deal with the business of the tendered item technically and financially and should have adequate man-power having prescribed qualification (Skilled & Technical) required for managing the business.
	<u>Inspection & Test:</u>
1	Inspection, testing and commissioning: The purchaser or his authorized representative shall have access to the supplier's premises at all reasonable times to the extent necessary to assess compliance with the provisions of this specification. All the constituent units of IP based CCTV system equipment supplied to the provisions of this specification shall be subjected to visual, dimensional and functional inspection and testing to the satisfaction of the purchaser. Where functional and operating tests are performed, the equipment shall comply with all the provisions of this specification at the conclusion of such tests. To this effect written procedures describing the stepwise inspection and testing procedures in-detail shall be submitted to the purchaser for approval, prior to the commencement of such tests.
2	The Purchaser shall have the right to inspect and/or test the equipment for conformity to the Contract Specifications
3	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.
4	Supplier shall provide installation and standard tests for the individual equipment before the delivery of the system at site.
5	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.
6	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.
7	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.
8	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.

9	(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
10	(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
11	(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
12	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

PRICE BID

1	The tenderer should quote the price exclusive of GST 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 Lowest bidder will be identified on the basis of basic cost only quoted in financial bid those who have already qualified in technical bid. GST will be extra as applicable.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).
2	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.
3	Validity of rates: 120 Days from the opening of the tender.
4	Defect Liability Period: 1 Year
5	Stipulated time for completion of work : 120 Days from the date of issue of Work Order.
6	Variation in rates will not be allowed and will not be payable.

LIQUIDATED DAMAGE

1	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% 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 TMC.
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ARBITRATION

1	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.
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DIRECTOR-ACTREC/THE TENDER COMMITTEE / TENDERING AUTHORITY / UNDERSIGNED RESERVE THE RIGHT:

1	To reject any / or all the Tenders at any stage without assigning any reason there of and not accept the lowest Tenders.
2	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.
3	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.
4	To reject abnormally low price of an item quoted by the tenderer in the Tender with some malafide intention.
5	Officer authorised on behalf of the Director-ACTREC 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 assigning any reason for such action.
6	DIRECTOR-TMC/ACTREC reserves right to accept the tender in full or part with out assigning any reason.

	<u>RISK PURCHASE</u>
1	In the event of failure to execute the contract to the satisfaction of the engineer in-charge he has the reserves the right:
2	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.
3	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.
	<u>GENERAL LIEN</u>
1	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.

	<u>RECTIFICATION OF WORK/REPLACEMENT OF DEFECTIVE SUPPLY</u>
1	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.

	<u>TERMINATION FOR DEFAULT</u>
1	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;
2	If the contractor fails to deliver any or all the work within the time period (s) specified in the contract, or any extension thereof granted by ACTREC.
3	If the contractor fails to perform any other obligation(s) under the contract.
4	If the contractor 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.
5	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 contractor shall be liable to ACTREC for any excess cost for such similar work. However, the contractor shall continue the performance of the contract to the extent not terminated.

	<u>ADDITIONAL OR EXTRA WORK</u>
1	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.
2	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.
3	Agency to inform in advance before executing additional/substitute quantity. Prior approval for the same should be obtained from ACTREC before execution.

	<u>PAYMENT TERMS</u>
1	Payment terms of ACTREC are given below.
2	60% against delivery (the contractor has to forward their bill enclosing the challans duly endorsed at security gate with receiver signature).
3	20% against installation testing and commissioning
4	20% against completion of work. (After all the parameters & functionalities has been checked and shown & confirmed with Dept.)
5	Payment will be done as per actual measurement.
6	Payment term other than above mention will not be accepted.
	<u>FAIR WAGES</u>
1	The contractor 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>SAFETY</u>
1	All the contractors personnel working shall be complete with approved safety Sevicees wherever a potential hazard to personnel exists and with provision for safe access of personnel to and around equipment for operational and maintenance functions.It shall be the responsibility of the contractor that all necessary safety measures and precautions are invariably ensured while performance of the contract work and CLIENT shall not be responsible for any injuries / accidents suffered by contract labour. The workers are required to follow the safety rules while working. The sufficient no.of safety gadgets such as, safety shoes, gumboots, earplugs, helmets, safety belts & HT/LT hand gloves etc.as and when required are to be made available to them. The agency is required to provide First Aid Box with all accessories at suitable location during contract period.
	<u>FORCE MAJEURE</u>
1	Neither the Contractor nor shall be considered in default in performance of their contract, as long as such performance is prevented or delayed because of legal strikes, war, hostilities revolution, civil commotion, epidemics, accidents, fire, cyclone, flood, or because of any Law & Order proclamation, regulation or ordinance of Government or sub-division thereof or because of any Act of God, provided it shall promptly in any case not later than 14 days of happening of the event, notify the other, the details of the Force Majeure and influence on its activities under the contract. The proof of existence of force majeure shall be provided by the party claiming it, to the satisfaction of the other party.
	<u>Note</u>
1	Agency to assess the nature of work by visiting the site well before tender is submitted. Agency may attend pre-bid meeting for clarifications.
2	Agency may attend pre-bid meetings.
3	Deviations/suggestions may be put on separate page in order to attain higher quality performance. Competent authority reserves full right to accept or reject any kind of changes.
4	Agency also have to submit compliance form-1,2 and make which is commitment against Tender/work requirements.
5	Technical strength, expertise in after sales service and application support of the tenderer/bidder will be the one of the most important criteria for technical suitability.
6	Literature/Certificate containing the information of the life of the equipment should be submitted. This criteria is very important and to be noted as a special condition for the tender acceptance
	<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 duly endorsed at security gate at the time of material delivery 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.

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/KRS/ET-22/CCTV System/HWCC Building/2020
Tender Name:	Supply, Installation, Testing & Commissioning of CCTV system for HWCC Building at ACTREC, Kharghar, Navi Mumbai.

Name of the Vendor					
Item No.	Description	Qty	Unit	We have read all item specification (Yes/No)	we have quoted against each item.(Yes/No)
1	SITC of 3MP IP Dome Camera indoor type 2.8mm lens, with audio support 1/8" or better Progressive Scan, Backlight illuminated CMOS Sensor, IR range up to 50Mtr ,with 128GB SD card , Motion detection, with mounting accessories and equivalent to technical specifications mentioned in tender documents.	47	EACH		
2	SITC of 3MP IP Dome Camera indoor type 6mm lens, with audio support 1/8" or better Progressive Scan, Backlight illuminated CMOS Sensor, IR range up to 50Mtr ,with 128GB SD card , Motion detection, with mounting accessories and equivalent to technical specifications mentioned in tender documents.	22	EACH		
3	SITC of 5MP fisheye IP camera indoor type 1/3.2" or better progressive scan RGB CMOS colour sensor 360degree hemispheric view , integrated digital recording without network load , digital continuous tiling , panning and zooming without mechanically moving camera and with no moving parts ,inbuilt microphone , IR range 15 Mtr , with SD card , Audio support , motion detector with mounting accessories and equivalent to technical specification mentioned in tender documents	1	EACH		
4	SITC of 5MP Motorized Varifocal IR Bullet Camera (2.8-12mm lens) outdoor type , 1/8" or better Progressive Scan, Backlight illuminated CMOS Sensor with Audio Support ,128GB SD card Support , Motion detection, IR range up to 50Mtr with mounting accessories and equivalent to technical specification mentioned in tender documents	8	EACH		
5	SITC of 64 Channel NVR with 4K Support and 8 HDD Slot with 2 external HDD ports , 10 TB HDD per port (with 6Gb/s speed) , free video management software ,Desktop Client, Mobile Client, and Local client (Through HDMI) camera events like : Motion Detection, Recording Start, Recording Fail, Camera offline, Camera online, Simultaneous login 9 Nos. RAID-0, RAID-1, RAID-5, RAID-10 with other termination accessories and equivalent to technical specification mentioned in tender documents	4	EACH		
6	SITC of 10 TB Surveillance HDD ,recording calculated at 5MP/Full resolution, H.265, 15 fps in RAID 5 for 30 days and equivalent to technical specification mentioned in tender documents. Vendor to submit storage calculations.	16	EACH		
7	SITC of 28 Port 10/100/1000 Gigabyte PoE Network Switch with 24 Nos RJ 45 ,10/100/1000 PoE+ ports and 4 combo ports (RJ-45 interface and SFP port) with SFP module , power cords and mounting accessories and equivalent to technical specification mentioned in tender documents.	9	EACH		
8	SITC of 24 Port 10/100/1000 Gigabyte Network Switch	1	EACH		
9	SITC of 55" LED 4k UHD Smart TV , 2HDMI port , 2USB port , LAN port , wifi connectivity , Wallmount Stand , with remote and other required accessories.	1	EACH		
10	SITC of 15U rack, with cooling fan spike guard , mounting accessories , wall mounted / floor mounted as per site condition and with required accessories.	1	EACH		
11	SITC of 1 KVA UPS with Batteries , with 30Min backup on full load 230volt output	1	EACH		
12	SITC of Cat6 LAN Cable to be laid in suitable size PVC conduit pipe / casing capping with all fixing accessories like clamps , saddles and other hardware.	7200	MTR		
13	Supply, installation, testing & commissioning of Client Workstation computer with Video management software as per following specifications: Intel® Core™ Intel Core i7-8700, 3.2 GHz, OS - Genuine Microsoft Windows® 10 Enterprise 64-bit, RAM - 16GB, Hard Drives - 2TB, 7200RPM SATA3, Video Adaptor - Integrated Intel UHD graphics 630 supporting 2 Monitors over HDMI/VGA, Network Connection - 1 Gbit/sec or greater, Two(2) PCI-Express Expansion Slots 2/4 USB, CD/DVD ROM, 32" HDMI Monitor, USB Keyboard and Mouse, UPS, associated cables etc.	1	EACH		
14	SITC of all Accessories & connectors suitable for CAT 6 UTP , RJ45 & DC Pins Pair as per site installation for commissioning of system	80	EACH		
15	SITC of 1 meter length, UTP patch cord of Cat 6 type	80	EACH		
16	SITC of 24port patch panels suitable for CAT 6 UTP	9	EACH		
17	SITC of OS2 fully loaded fiber tray which includes adaptors , pigtails, splice protectors etc for the termination of 12 core single mode fiber cable , with fiber patch cord as required , splicing , termination at both end	2	EACH		
18	Supply, installation, testing and commissioning of Media Convertor Lc type 1 gig	4	EACH		
19	CCTV system Programing , integration , configuration , commissioning Charges	1	EACH		



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

Compliance form-2

Tender No:	TMC/ACTREC/ENGG/KRS/ET-22/CCTV System/HWCC Building/2020
Tender Name:	Supply, Installation, Testing & Commissioning of CCTV system for HWCC Building at ACTREC, Kharghar, Navi Mumbai.

Name of the Vendor	
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Item No	Description of Item	Compliances from Licencee/Agency (YES/NO)
1	We have understood technical requirements and understood the same in right perspective.	
2	We have read Technical bid and financial Bid Tender document/Technical specifications/Scope of work/special conditions/General conditions etc. carefully and understood the same in right perspective.	
3	We have quoted for all the items in Financial Bid in the prescribed format of the tender documents.	
4	We have read the financial bid thoroughly before filling it and understood the same in right perspective	
5	We understood that partial/incomplete/vague offers are liable for rejection.	
6	We have understood the eligibility criteria as well as criteria for identifying lowest bidder.	
7	There are deviations from our (agency) side.	
8	Deviations have been mentioned on separate page and attached with technical bid in detail. Deviation is supported with necessary documents, catalogues etc.	
9	We have noted that accepting or rejecting the deviation and consequently rights to qualify and disqualify the agency remains with competent authority of ACTREC.	
10	We understood that bill will be settled as per the actual work done and excess quantity if any will be taken back by us.	
11	We have understood and accepted that accepting the tender & issuing order in full or in part will be decided by the ACTREC competent authority as per policy of the center.	
12	We have confirm that in case of any problem arise with make mentioned by us in the technical bid, if not available in the market at the time of execution we shall provide other equivalent mentioned in the tender without any additional cost.	
13	We will provide 1 year warranty for CCTV system	



**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/KRS/ET-22/CCTV System/HWCC Building/2020
Tender Name:	Supply, Installation, Testing & Commissioning of CCTV system for HWCC Building at ACTREC, Kharghar, Navi Mumbai.
Name of the Vendor	
Form "B-1"	
FORM FOR CERTIFICATE OF NET WORTH FROM CHARTERED ACCOUNTANT.	
<p>" 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.</p> <p>_____ 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)."</p> <p style="text-align: right; margin-right: 100px;">Signature of Chartered Accountant.</p> <p style="text-align: right; margin-right: 100px;">_____</p> <p style="text-align: right; margin-right: 100px;">Name of Chartered Accountant.</p> <p style="text-align: right; margin-right: 100px;">_____</p> <p style="text-align: right; margin-right: 100px;">Membership No. of ICAI</p> <p style="text-align: right; margin-right: 100px;">Date and Seal.</p>	



TATA MEMORIAL CENTRE
ADVANCED CENTRE FOR TREATMENT RESEARCH AND EDUCATION IN CANCER

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

Tender No:	TMC/ACTREC/ENGG/KRS/ET-22/CCTV System/HWCC Building/2020
Tender Name:	Supply, Installation, Testing & Commissioning of CCTV system for HWCC Building at ACTREC, Kharghar, Navi Mumbai.
Name of the Vendor	

DECLARATION FORM

Tender No. _____

Contractor's Bid No. _____ Date _____

from

M/s. _____

To,
The Director, ACTREC.
Tata Memorial Centre.

Dear Sir,

I/We have gone through the tendering conditions pertaining to the Tender and General Conditions of Contract, Special Conditions of Contract and Additional Conditions of Contract, if any.

1. I/We hereby agree to execute the contract in accordance with the tender Specifications incorporated in General Instruction of tenderer of the tender document and also agree to abide by General Conditions of Contract, Special terms and Conditions of Contract of the Tender document and Additional Conditions of Contract, if any.

2. Purchaser will be at liberty to accept any one or more of the items/materials offered by us and I/We shall be bound to supply the items / materials as may be specified in work order/contract.

3. I/We hereby agree to keep our above mentioned bid valid for the period mentioned in the NIT.

4. Deviation to technical specifications / general instructions / special conditions and additional condition of contract contained in tender documents if any to be indicated in compliance form no 2 and if required separate sheet to be attached.

5. Prices applicable are indicated in the price bid format of the tender.

6. I/We are also uploading herewith all the leaflets/catalogue, etc. pertaining to the work offered.

7. If I/We withdraw or modify the bid during the period of validity or if I/We are Awarded the contract and I/We fail to submit a Performance security deposit bank guarantee (PSDBG) before the deadline Mentioned in the contract, I/We shall be suspended for a period of one year from being eligible to submit bids for contracts with procurement agencies under Tata Memorial Centre.

Yours faithfully
Bidder
(Digitally Signed)