



UNIVERSITY OF CALCUTTA
OFFICE OF THE UNIVERSITY ENGINEER
87/1 College Street
Darbhanga Building, Ground Floor
Kolkata-700073
Website :-www.caluniv.ac.in

NOTICE INVITING TENDER

University of Calcutta invites **sealed** tender from resourceful and bonafide contractors for the following work:

1.	N.I.T. No	:	Eng/ CT-172/20-21	Dated 22/ 01/ 2021
2.	Name of Work	:	REPAIRING, RENOVATION WORKS IN TOILETS (Eastern Side) OF BIOTECHNOLOGY DEPARTMENT AT BALLYGUNGE SCIENCE COLLEGE, 35 B.C. ROAD, KOL- 19. , C.U.	
3.	Estimated Cost put to Tender	:-	Rs.205624.00	
4.	Earnest Money Deposite(EMD)	:-	A sum of Rs. 10300 /- (Rupees Ten Thousand and three hundred only) in the form of CTS demand draft in favour of University of Calcutta payable at Kolkata is to be attached with the Tender as earnest money failing which the tender will be treated cancelled. EMD will be exempted for those bidders who are registered with NSIC or MSME subject to the submission of valid and authorized NSIC/MSME certificate of similar nature of work with the tender documents.	
5.	Bid validity period	:	60(sixty) days after opening of the tender.	
6.	Time of completion	:-	30days	
7.	Eligibility Criteria and Documents to be submitted along with Application.	:-	Valid trade License , GST & Pan and credential for satisfactory completion of similar nature of job. Amounting The intending bidder must attach the photo-copies of all the relevant documents such as Valid trade License , GST & Pan and credential for satisfactory completion of similar nature of job amounting 75 % of the estimated value in a single tender in the last three financial years in Government, or Government Undertaking or University of Calcutta with the tender documents and drop the sealed envelope in to the tender box kept at office of the undersigned. Only completion certificate of the work will be considered as Credential of works. Original documents may be asked for verification of technical checking on the date of tender opening. Failing to produce original documents, the tender will be rejected.	
8.	Last date of Sale/ issue of tender papers	:	TO BE DOWNLOADED FROM UNIVERSITY WEBSITE.(www. caluniv.ac.in) IN TENDER NOTICE	
9.	Last Date and Time of tender Submission	:-	Dully filled and signed tender/quotation to be submitted on 03/02/2021(up to 2.00 PM) in to the Tender Box kept in the Office of the University Engineer	
10.	Date and Time of Tender Opening	:-	At or after 3:00 PM on 03/02/2021 at the Office of the University Engineer. Intending bidders are requested to be present at the time of opening tenders/quotations.	

N.B:
(i) N.I.T /NIQ no ,Name of work, name of the bidder and the date of opening tender/quotation should be written on the sealed envelope, failing which the tender/quotation will not be opened and thus cancelled.
(ii)The undersigned reserves the right to reject any or all Tenders/quotations without assigning any reason what so ever.

UNIVERSITY ENGINEER (C.U)



**Name of the work :-REPAIRING, RENOVATION WORKS OF TOILETS (Eastern Side) OF BIOTECHNOLOGY DEPARTMENT
AT BALLYGUNGE SCIENCE COLLEGE, 35 B.C. ROAD, KOL- 19. , C.U.**

N. I.T. No:-ENG /CT-172/20-21 Dated 22/ 01/ 2021

Name of Agency:-

Estimated cost Put to Tender:-Rs.205624 .00

Address of Agency:-

Rate quoted by Agency:- (%)
Percent Above / At par / Below

Signature of the Agency with date & stamp:-



UNIVERSITY OF CALCUTTA

N. I.T no- ENG /CT-172/20-21 Dated 22 / 01/ 2021

TENDER AND CONTRACT FOR WORK

GENERAL TERMS AND DIRECTION FOR THE GUIDANCE OF CONTRACT

1. Eligible Tenders will have to download the tender papers from the website & drop the filled tender papers signed with seal and date at every page along with copy of Valid Trade license's, GST & PAN and Credential for satisfactory completion of similar nature of job amounting to at least seventy five percent of the job value in a single tender from any Government, Govt. undertaking or University of Calcutta in the last three financial year in sealed envelope in the Tender box kept in the Office of the undersigned with in the specified time mentioned in the NIT. Which will be opened by the undersigned or by his representative with in the specified time and date mentioned in the NIT. The tendered must write the name of the work , NIT no , the date of opening and name of the bidder on the envelop failing which the tender will not be opened thus will be treated as cancelled.
2. The rate should be quoted after inspection of the site and inclusive of all incidental charges i.e. freight, insurances, labour insurances, handling charges, necessary government taxes, duties etc. as well as the Water, Electricity charges which are to be paid as per rules .
3. The contractor shall be responsible to ensure compliance with the provision of minimum wages act 1948 as modified up to date and the rules made in respect of any employees, employed by the contractor directly or through the petty or subcontractor for the purpose of carrying this contract. The contractor shall be responsible for any damage, injury or loss caused by the work or workmen to any person, animal or material during the progress of work.
4. **Time Extension:** The allotted time for completion of the work is as specified in the NIT from the date of receipt of work order .Time is the essence of this contract. Normally no time extension will be granted. In case of prayer for extension of time the University authority has the full right reserved to grant it or discard it.



5. Liquidated damage will be charged to the contractor, if they fail to complete the work within the stipulated time as per contract@0.01% per day to a maximum limit of 10 % of the contract value .

6. Earnest Money Deposit : Depending on the type of goods to be purchased or work to be done, Earnest Money Deposit (EMD), also known as Bid Security, may be obtained from the bidders-except those who are registered with National Small Industries Corporation (NSIC) or MSME to safeguard against a bidder withdrawing/altering his bid during the bid validity period. The bidders are required to furnish Earnest Money Deposit (EMD) along with their bids. Amount of Earnest Money Deposit (EMD) should be five per cent of the estimated value of the goods to be purchased or work to be done. The Earnest Money Deposit (EMD) may be accepted in the form of Account Payee Demand Draft, Banker's Cheque or a Bank Guarantee in acceptable form from any of the Nationalized Banks, safeguarding the purchaser's interest in all respects. The Earnest Money Deposit (EMD) shall remain valid for a period of sixty days beyond the final tender validity period. The Bid Validity Period may be extended if required.

7. Refund of Earnest Money Deposit (EMD): Earnest Money Deposit (EMD) furnished by all unsuccessful bidders should be returned to them without any interest whatsoever, at the earliest after the expiry of the final bid validity period but not later than forty five days after the award of the contract. Earnest Money Deposit (EMD) of the successful tenderer should be returned, without any interest whatsoever, after receipt of performance security from him as stipulated in the contract.

8. Forfeiture of Earnest Money Deposit (EMD): Earnest Money Deposit (EMD) of a tenderer shall be forfeited, if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of his tender. Further, if the successful tenderer fails to furnish the required performance security within the specified period, his Earnest Money Deposit (EMD) shall be forfeited.

9. Performance Security: To ensure due performance of the contract, performance security is to be obtained from the successful bidder awarded the contract except those who are registered with National Small Industries Corporation (NSIC). Performance Security should be of an amount of ten per cent of the value of the contract. Performance Security should be furnished in the form of an Account Payee Demand Draft, or Bank Guarantee from a Nationalized Bank in an acceptable form safeguarding the purchaser's interest in all respects. Performance Security is to be furnished within twenty one days after notification of the award of contract and it should remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the supplier, including warranty obligations.

10. Refund of Performance Security: Performance Security should be refunded to the supplier without any interest, whatsoever, after he duly performs and completes the contract in all respects but not later than sixty days of completion of all such obligations under the contract.

11. Forfeiture of Performance Security: Performance security is to be forfeited and credited to University of Calcutta in the event of a breach of contract by the tenderers, in terms of the relevant contract.

12. Verification of the Bank Guarantees: Bank Guarantees submitted by the tenderers as Earnest Money Deposit (EMD)/Performance Security need to be immediately verified from the issuing bank before its acceptance, through written communication.



13.If the successful contractor’s bid rate is 80% or less than the estimated amount put to tender the contractor will have to submit a Bank Guarantee amounting to 10% of the Tendered amount before issue of Work order failing which the EMD will be forfeited and the agency may be blacklisted. The Bank Guarantee should be valid till the end of the contract period and shall be renewed accordingly if required. This bank Guarantee is an Additional Performance Security .So provision of deducting Security deposit from bills will hold goods per relevant clause of the contract. The bank Guarantee shall be returned immediately on successful completion of contract.

14. **Security Deposit:** The University authority will retain a sum amounting to 10% of the bill of the contract for a period of six months from the date of completion of work as Security Depositwhich will be released after a period of six months from the date of completion of the work on application.

15. **EMD and Performance security should be paid infavour of UNIVERSITYOF CALCUTTA payable at Kolkata .EMD must be attached with the tender in sealed envelope, failing which the tender will be treated as cancelled.**

16. EMD Amount:-Rs

D.D No..... Dated / /20

Name of Issuing Bank:--

B ranch :-

17. Work is to be carried out as per specification laid in the B.O.Q or PWD specification as per instruction of the University Engineer or his representative.

18.The materials brought to site for execution of the work should by no means be taken out of site without the permission of the Engineer C.U.

19. The rates must be quoted in words and in figure, otherwise the tender will be cancelled.

20. The University will not be bound to accept the lowest bidder.

21. The University will not supply any materials to the contractor.



22. The contractor will work under the strict supervision of the Engineer/ Sub-Assistant Engineer. The estimate given along with the tender are provisional payment will be made on the actual work done jointly measured by the Engineer or his representative(Sub-Assistant Engineer)& the contractor or his representative. The contractor will have to submit bill in printed format in duplicate .

23. The contractor will have to take necessary instruction from the Engineer CU/ Sub-Assistant Engineer regarding the execution of work.

24. Defect & liability Period :-The defect & liability period will be for a period of 6(six) months from the date of completion of the job. Any defects pointed out during this period has to be mend good by the agency at his/her own cost, failing which the retention money will be forfeited.

25. After issuing the work order to the successful tenderer, if he fails to commence the work or unable to complete the work, then the EMD /Performance security amount of the said tenderer will be forfeited and no claim will be entertained.

Sd/-

University Engineer

Name of the Agency:

Address :-

SIGNATURE OF THE CONTRACTOR WITH SEAL AND DATE:



ENG /CT-172/20-21 Dated 22/ 01/ 2021

Price Schedule for the work“.REPAIRING, RENOVATION WORKS OF TOILETS (Eastern Side) OF BIOTECHNOLOGY DEPARTMENT AT BALLYGUNGE SCIENCE COLLEGE, 35 B.C. ROAD, KOL- 19. , C.U.

Sl.no.	Description of items	Unit	Rate	Quantity	Amount
1	Stripping off worn out plaster and raking out joints of walls, ceiling etc. upto any height and in any floor including removing rubbish and staking any where within the compound as directed.	Sqm.	19	15.5	294.50
2	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or rougening of concrete surface, including throating, nosing and drip course where necessary. 20 mm thick	Sqm.	167	15.5	2588.50
3	cement concrete (1:1.5:3) with graded stone chips 5.60mm size including cleaning the reinforcement and disturbed concrete with wire brush after applying a coat of cement including cost of all handling and scaffoldingcomplet. /20 mm thick.	Sqm.	350	8.5	2975.00
4	Rendering the surface of walls and ceiling with wall putty of approved make and brand.. (thickness not less than 1.5 mm.)	Sqm	122	15.5	1891.00
6	Flushing pointing to tiled floor in cement mortar (1:4) with admixture of pigment to match with colour of tiles including kaking out joints.	sqm.	79	55	4345.00
7	Supplying, fitting and fixing 1st quality ceramic tiles of any size in walls & floors including borders to match with the existing work, set in sand cement mortar (4:1) including backing concrete (1:2:4) & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide (if requested) to match the, colour of tile.colour/decorative				0.00
	Wall.	Sqm	708	1.5	1062.00
8	Removing old scales, blisters etc. of interior surface of walls, ceiling by scraping etc. and preparing smooth and even surface with rendering or cement mortar (2:1) (as necessary), to make the surface suitable for receiving distemper. (Payment against this item will be made only when this has been done on the specific direction of the Engineer-in-charge).	Sqm	10.47	150	1570.50
9	Applying interior grade acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive distemper / acrylic emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of EIC./ two coats/ solvant based interior grade Acrylic primer.	Sq.M	48.5	150	7275.00
10	Painting with best quality synthetic enamel paint of approved make and brand. Two coats/ over door & window	Sq.M	81	150	12150.00
11	Supplying, fitting and fixing FRP composite door frame as per approved section .. As per approved technology of DST to satisfy IS: 4020./ 66mmx 90 mm length :)	Mtr.	497	46.8	23259.60
12	Supplying, fitting and fixing FRP composite door shutter as per approved section .. As per approved technology of DST to satisfy IS: 4020./ 32 mm thick.	Sqm	2763	6.3	17406.90

13	Supplying, fitting & fixing bevelled edged 5.5 mm thick silver red as per I.S 3438 / 1965 together with brass C.P hinges./ 600mm x 450 mm	each	484	5	2420.00
14	Supplying, fitting & fixing of 10 litre pvc low down cistern conforming to I.S specification with P.V.C fittings complete, C.I brackets including two coats of paints to brackets etc.	each	1015	6	6090.00
15	Supplying, fitting and fixing towel rail with two brackets. / C.P. over Brass / 250 mm dia. And 450 mm long.	each	384	6	2304.00
16	Supplying fitting and fixing of CPVC pipe of approved make conforming to IS - 15778- 2007 with all necessary accessories complete in all respect as per required including cost of all material above ground.etc./ CPVC ClassII /STD II				0.00
	25 mm dia.	mtr.	208	25	5200.00
	15 mm dia.	mtr.	106	20	2120.00
17	Supplying, fitting and fixing Peets Valve fullwaygunmental standard pattern best quality.				0.00
	iii.25 mm dia.	each	912	6	5472.00
18	Hand shower (Health Faucet) with 1 mtr flexible tube with wall hook	each	1251	7	8757.00
19	Supplying fitting and fixing of bibcock/ stop cock of approved make and brand. 15 mm dia.				0.00
	a.stop cock	each	493	18	8874.00
	b. angular stop cock	each	861	6	5166.00
	c.bib cock	each	539	18	9702.00
	d. pillar cock	each	555	4	2220.00
20	Supplying, fitting and fixing of closet seat of approved make with lid and C.P. hinges, rubber buffer and screws complete./ Plastic hollow type white./ Anglo Indian	each	485	6	2910.00
21	Supplying, fitting & fixing of UPVC pipeS& fittings conforming to IS- 13592-1992 / Double socketed 3.0 mtr. Length/ 110mm dia.	Mtr.	328	55	18040.00
22	Supplying of UPVC pipe fittings conforming to IS- 13592-1992 / 110 mm dia.				0.00
	a. Door tee	each	195	10	1950.00
	b. W.C connector with ring	each	142	10	1420.00
	c. 125/110 mm 'S' trap with W.C ring	each	552	10	5520.00
	d. Door Bend/ 110 mm	each	147	16	2352.00
	e. 125/110 mm 'P' trap with W.C ring.	each	340	10	3400.00
23	Suplying, fitting and fixing of white vitreous chinawire best quality approved make wash basin with C.I. brackets on 75 mm x 75 mm x 75 mm wooden blocks, C.P waste fittings of 32 mm dia, one approved quality brass c.ppillar cock of 15 mm dia, C.P chain with rubber plug of 32 mm dia, Approved quality pvc waste pipe withC.P nut of 32 mm dia. , 900 mm long approved quality pvc connection pipe with heavy duty brass C.P nut including mending good all damages and painting. 650mmx 450 mm size.	each	3260	4	13040.00
TOTAL					181775.00
Add GST @ 12 %					21813.00
					203588.00
Add Lab welfare cess @ 1%					2035.88
TOTAL					205623.88

Name of the Agency :

Address of the Agency :

**Rate quoted by the Agency(% below / At par / above)
with date and seal.**



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Website :-www.caluniv.ac.in

NOTICE INVITING TENDER

University of Calcutta invites **sealed** tender from resourceful and bonafide contractors for the following work:

1.	N.I.T. No	:	Eng/ CT-173/20-21 Dated 22/ 01/ 2021
2.	Name of Work	:	REPAIRING, RENOVATION AND PAINTING WORKS OF ROOM NO. 616 & 620 OF STATISTICS DEPARTMENT AT BALLYGUNGE SCIENCE COLLEGE, 35, B.C. ROAD, KOL-19.
3.	Estimated Cost put to Tender	:-	Rs. 233606.00
4.	Earnest Money Deposit(EMD)	:-	A sum of Rs.11700/- (Rupees eleven Thousand and seven hundred only) in the form of CTS demand draft in favour of University of Calcutta payable at Kolkata is to be attached with the Tender as earnest money failing which the tender will be treated cancelled. EMD will be exempted for those bidders who are registered with NSIC or MSME subject to the submission of valid and authorized NSIC/MSME certificate of similar nature of work with the tender documents.
5	Bid validity period	:	60(sixty) days after opening of the tender.
6	Time of completion	:-	30days
7	Eligibility Criteria and Documents to be submitted along with Application.	:-	Valid trade License , GST & Pan and credential for satisfactory completion of similar nature of job. Amounting The intending bidder must attach the photo-copies of all the relevant documents such as Valid trade License , GST & Pan and credential for satisfactory completion of similar nature of job amounting 75 % of the estimated value in a single tender in the last three financial years in Government, or Government Undertaking or University of Calcutta with the tender documents and drop the sealed envelope in to the tender box kept at office of the undersigned. Only completion certificate of the work will be considered as Credential of works. Original documents may be asked for verification of technical checking on the date of tender opening. Failing to produce original documents, the tender will be rejected.
8.	Last date of Sale/ issue of tender papers	:	TO BE DOWNLOADED FROM UNIVERSITY WEBSITE.(www. caluniv.ac.in) IN TENDER NOTICE
9.	Last Date and Time of tender Submission	:-	Dully filled and signed tender/quotation to be submitted on 03/02/2021(up to 2.00 PM) in to the Tender Box kept in the Office of the University Engineer
10.	Date and Time of Tender Opening	:-	At or after 3:00 PM on 03/02/2021 at the Office of the University Engineer. Intending bidders are requested to be present at the time of opening tenders/quotations.

N.B:
(i) N.I.T /NIQ no, Name of work, name of the bidder and the date of opening tender/quotation should be written on the sealed envelope, failing which the tender/quotation will not be opened and thus cancelled.
(ii) The undersigned reserves the right to reject any or all Tenders/quotations without assigning any reason what so ever.

UNIVERSITY ENGINEER (C.U)



Name of the work :-REPAIRING, RENOVATION AND PAINTING WORKS OF ROOM NO. 616 & 620 OF STATISTICS DEPARTMENT AT BALLYGUNGE SCIENCE COLLEGE, 35, B.C. ROAD, KOL- 19.

N. I.T. no:-ENG /CT-173/20-21 Dated 22/ 01/ 2021

Name of Agency:-

Estimated cost Put to Tender:-Rs. 233606.00

Address of Agency:-

Rate quoted by Agency:- (%)
Percent Above / At par / Below

Signature of the Agency with date & stamp:-



UNIVERSITY OF CALCUTTA

N. I.T no- ENG /CT-173/20-21 Dated 22/ 01/ 2021

TENDER AND CONTRACT FOR WORK

GENERAL TERMS AND DIRECTION FOR THE GUIDANCE OF CONTRACT

1. Eligible Tenders will have to download the tender papers from the website & drop the filled tender papers signed with seal and date at every page along with copy of Valid Trade license's, GST & PAN and Credential for satisfactory completion of similar nature of job amounting to at least seventy five percent of the job value in a single tender from any Government, Govt. undertaking or University of Calcutta in the last three financial year in sealed envelope in the Tender box kept in the Office of the undersigned with in the specified time mentioned in the NIT. Which will be opened by the undersigned or by his representative with in the specified time and date mentioned in the NIT. The tendered must write the name of the work , NIT no , the date of opening and name of the bidder on the envelop failing which the tender will not be opened thus will be treated as cancelled.
2. The rate should be quoted after inspection of the site and inclusive of all incidental charges i.e. freight, insurances, labour insurances, handling charges, necessary government taxes, duties etc. as well as the Water, Electricity charges which are to be paid as per rules .
3. The contractor shall be responsible to ensure compliance with the provision of minimum wages act 1948 as modified up to date and the rules made in respect of any employees, employed by the contractor directly or through the petty or subcontractor for the purpose of carrying this contract. The contractor shall be responsible for any damage, injury or loss caused by the work or workmen to any person, animal or material during the progress of work.
4. **Time Extension:** The allotted time for completion of the work is as specified in the NIT from the date of receipt of work order .Time is the essence of this contract. Normally no time extension will be granted. In case of prayer for extension of time the University authority has the full right reserved to grant it or discard it.



5. Liquidated damage will be charged to the contractor, if they fail to complete the work within the stipulated time as per contract@0.01% per day to a maximum limit of 10 % of the contract value .

6. Earnest Money Deposit : Depending on the type of goods to be purchased or work to be done, Earnest Money Deposit (EMD), also known as Bid Security, may be obtained from the bidders-except those who are registered with National Small Industries Corporation (NSIC) or MSME to safeguard against a bidder withdrawing/altering his bid during the bid validity period. The bidders are required to furnish Earnest Money Deposit (EMD) along with their bids. Amount of Earnest Money Deposit (EMD) should be five per cent of the estimated value of the goods to be purchased or work to be done. The Earnest Money Deposit (EMD) may be accepted in the form of Account Payee Demand Draft, Banker's Cheque or a Bank Guarantee in acceptable form from any of the Nationalized Banks, safeguarding the purchaser's interest in all respects. The Earnest Money Deposit (EMD) shall remain valid for a period of sixty days beyond the final tender validity period. The Bid Validity Period may be extended if required.

7. Refund of Earnest Money Deposit (EMD): Earnest Money Deposit (EMD) furnished by all unsuccessful bidders should be returned to them without any interest whatsoever, at the earliest after the expiry of the final bid validity period but not later than forty five days after the award of the contract. Earnest Money Deposit (EMD) of the successful tenderer should be returned, without any interest whatsoever, after receipt of performance security from him as stipulated in the contract.

8. Forfeiture of Earnest Money Deposit (EMD): Earnest Money Deposit (EMD) of a tenderer shall be forfeited, if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of his tender. Further, if the successful tenderer fails to furnish the required performance security within the specified period, his Earnest Money Deposit (EMD) shall be forfeited.

9. Performance Security: To ensure due performance of the contract, performance security is to be obtained from the successful bidder awarded the contract except those who are registered with National Small Industries Corporation (NSIC). Performance Security should be of an amount of ten per cent of the value of the contract. Performance Security should be furnished in the form of an Account Payee Demand Draft, or Bank Guarantee from a Nationalized Bank in an acceptable form safeguarding the purchaser's interest in all respects. Performance Security is to be furnished within twenty one days after notification of the award of contract and it should remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the supplier, including warranty obligations.

10. Refund of Performance Security: Performance Security should be refunded to the supplier without any interest, whatsoever, after he duly performs and completes the contract in all respects but not later than sixty days of completion of all such obligations under the contract.

11. Forfeiture of Performance Security: Performance security is to be forfeited and credited to University of Calcutta in the event of a breach of contract by the tenderers, in terms of the relevant contract.

12. Verification of the Bank Guarantees: Bank Guarantees submitted by the tenderers as Earnest Money Deposit (EMD)/Performance Security need to be immediately verified from the issuing bank before its acceptance, through written communication.



13.If the successful contractor’s bid rate is 80% or less than the estimated amount put to tender the contractor will have to submit a Bank Guarantee amounting to 10% of the Tendered amount before issue of Work order failing which the EMD will be forfeited and the agency may be blacklisted. The Bank Guarantee should be valid till the end of the contract period and shall be renewed accordingly if required. This bank Guarantee is an Additional Performance Security .So provision of deducting Security deposit from bills will hold goods per relevant clause of the contract. The bank Guarantee shall be returned immediately on successful completion of contract.

14. **Security Deposit:** The University authority will retain a sum amounting to 10% of the bill of the contract for a period of six months from the date of completion of work as Security Depositwhich will be released after a period of six months from the date of completion of the work on application.

15. **EMD and Performance security should be paid infavour of UNIVERSITYOF CALCUTTA payable at Kolkata .EMD must be attached with the tender in sealed envelope, failing which the tender will be treated as cancelled.**

16. EMD Amount:-Rs

D.D No..... Dated / /21

Name of Issuing Bank:--

B ranch :-

17. Work is to be carried out as per specification laid in the B.O.Q or PWD specification as per instruction of the University Engineer or his representative.

18.The materials brought to site for execution of the work should by no means be taken out of site without the permission of the Engineer C.U.

19. The rates must be quoted in words and in figure, otherwise the tender will be cancelled.

20. The University will not be bound to accept the lowest bidder.

21. The University will not supply any materials to the contractor.



22. The contractor will work under the strict supervision of the Engineer/ Sub-Assistant Engineer. The estimate given along with the tender are provisional payment will be made on the actual work done jointly measured by the Engineer or his representative(Sub-Assistant Engineer)& the contractor or his representative. The contractor will have to submit bill in printed format in duplicate .

23. The contractor will have to take necessary instruction from the Engineer CU/ Sub-Assistant Engineer regarding the execution of work.

24. Defect & liability Period :-The defect & liability period will be for a period of 6(six) months from the date of completion of the job. Any defects pointed out during this period has to be mend good by the agency at his/her own cost, failing which the retention money will be forfeited.

25. After issuing the work order to the successful tenderer, if he fails to commence the work or unable to complete the work, then the EMD /Performance security amount of the said tenderer will be forfeited and no claim will be entertained.

Sd/-

University Engineer

Name of the Agency:

Address :-

SIGNATURE OF THE CONTRACTOR WITH SEAL AND DATE:



ENG /CT – 173 /20-21 Dated 22/ 01/ 2021

Price Schedule for the work“REPAIRING, RENOVATION AND PAINTING WORKS OF ROOM NO. 616 & 620 OF STATISTICS DEPARTMENT” AT BALLYGUNGE SCIENCE COLLEGE, 35, B.C. ROAD, KOL- 19.

SI no.	Description of works	Unit	Rate	Quantity	Amount
1	Stripping off worn out plaster and raking out joints of walls, ceiling etc. upto any height and in any floor including removing rubbish and staking any where within the compound as directed.	Sqm.	19	30	570.00
2	Cement concrete in graded stone chips 5.6 mm size without reinforcement including all cost of handling and scaffolding complete as per direction of EIC./ 25 mm thick.	Sqm.	314	15	4710.00
3	Applying two coats of bonding agent with synthetic multifunctional rubber emulsion having adhesive and water proofing properties by mixing with water in proportion (1 bonding agent : 4 water : 6 cement) as manufacture's specification.	sqm	88	15	1320.00
4	Rendering the surface wall, ceiling with white cement based putty of approved make and brand.	Sqm	122	105	12810.00
5	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or rougening of concrete surface, including throating, nosing and drip course where necessary./ (with 1:6 cement mortar)/ 20 mm thick	sqm	167	30	5010.00
6	Supplying,fitting and fixing of boiling water proof ply conforming to IS 710:1977 bonded with phenol formaldehyde synthetic resin of approved make and brand fitted and fixed as per design and approval of EIC (excluding cost of supporting frame work and teak wood batten/ lipping) / a.(6 mm ply.	Sqm	1122	15	16830.00
7	Supplying fitting and fixing decorative lamination conforming to IS: 2046:1995 as pe approved make brand finish and thickness with fitting, fixing the same on partickle / MDF/ Ply boards with recommended/ approved adhesive with proper clipping the sides for better attachment as per direction of EIC. the rates includes the cost of labour, adhesive and all incidental charges.thereof. / thickness of laminate 1.5 mm	sqm.	802	15	12030.00

8	Fabrication and installation fully glazed aluminium window made of extruded and anodised alloy aluminium sections, fabrication including cutting to proper shape and size, drilling and aligning, fitted with inbuilt locking arrangement cutting the glass/ board(prelaminated / partiale block) to requisite shape and size moulding the eages fitted and fixed glazing clips and dry set neoprine / EPDM gasket, along with all other necessary arrangements for the fixing the partition to walls, floors, beams, columns polysulphide sealent for water proffing if necessary complete in all respect as per drawing and specification of EIC. The rates includes the hire charges of all tools and plants, adhesive, joineries such as screw, fastner, extruded aluminium section, EPDM gasket, glass board glazing clips, locking arrangement etc. two track sliding window.	Sqm	2450	9	22050.00
9	Supplying solid flush type doors of commercial quality, the timber frame consistings of top and bottom rails and side styles of well seasoned timber 65 mm wide each and the entire frame fitted with 37.5 mm wide battens places bith ways in oder to make the door of solid core and internal lipping with garjanor similar wood veneers in position but excluding the cost of hinges and other fittings./ 35 mm thick shutters (single leaf)	sqm	2659	2.52	6700.68
10	Providing and fixing of false ceiling with powder coatedexposed G.I grid suspension system (E grid T 2430 or equivalent load carrying capacity ith mid span deflection not exceeding 1/360 span with hanger spacing of 1200 mm c/c consisting of main runner 3600 mm long crosss tee 1200 mm / 600 mm long and wall angle. The wall angle shall be fixed on PVC dash fasteners on the perimetre of the wall by steel screws with distance 300 c/c . the main runners to be placed @ 1200 mm. The cross Tee 1200 will \be inserted in the pre cut slots of main runner at a regular interval of 600 mm to form a modular grid of 1200 mm x 600 mm. Additional cross tee of 600 will be placed perpendicular to the cross tee 1200 mm long to finally form a grid of 600 mm x 600 mm. Grid of module size 600 mm x 600 mm shall be supported by 6 mm dia. G.I wire form pulins / soffit. 4 mm thick High Pressure Steam Cured Non Asbestos Fibre cement standard Ceiling Board (Density > 1500 Kg/cum) of size 595 mm x 595 mm conforming IS 14862 & BS 476 part 4,5,6,7 & 8 should be placed in Grid module to form a False ceiling. All complete as per drawing & direction of Engineer in charge. 4 mm thick Pearl Designer fibre cement board and E grid T- 2430/ 1510)	Sqm	705	26	18330.00
11	Supplying and laying true to line and level vitrified of approved brand (size 600mm x 600mmx 10 mm thick) in floor, skirting etc. sit in 20 mm sand cement mortar (1: 4) and 2 mm thick cement slurry using cement @ 2.91 kg/M2 or using synthetic adhesive (3 to 4 mm thick layer) including necessary 25 mm thick backing cement concrete (1:2:4) with 6mm size pakur variety stone chips, laid after application slurry using 1.75 kg of cement per M2, joints grouted with admixture of white cement and colouring pigment to match colour of tiles / synthetic cementatious grouting materials of approved make as directed and removal of wax coating of top surface of tiles with warm water and polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials, labour and all other incidental charges completetrue to the manufacture's specification and direction of Engineer-in-charge. / with polymer adhesive (6 mm thick) and epoxy grouting materials for filling joints. applying directly over mosaic or artificial stone floor./ light colour	Sqm	1366	30	40980.00

12	Removing old scales, blisters etc. of interior surface of walls, ceiling by scraping etc. and preparing smooth and even surface with rendering or cement mortar (2:1) (as necessary), to make the surface suitable for receiving distemper.	Sqm	10.17	160	1627.20
13	Applying interior grade acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive distemper / acrylic emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of EIC./ two coats/ water based interior grade Acrylic primer.	Sqm	45.1	160	7216.00
14	Painting with best quality synthetic paint of approved make and brand including smoothing the surface by sand papering etc. including using of approved putty on the surface if necessary./ with super gloss / two coats	Sq.M	81	160	12960.00
15	Supplying, fitting and fixing of vertical blinds as per approved by EIC.	sqm	900	16.8	15120.00
16	French polishing to wood including preparing the surface.(for new surface)	Sq.M	563	15	8445.00
17	Anodised aluminium tower bolt of approved quality manufacturer from extruded section conforming to IS 204/74 fitted and fixed with cadmium plated screws./ 225mm long x 12 mm dia. Bolt.	each	144	4	576.00
18	Anodised aluminium butt hinges approved quality manufactured from extruded section conforming to IS 205/66 fitted and fixed with cadmium plated screws./ 125x63x4.0mm	each	108	8	864.00
19	Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to IS 230/72 fitted and fixed complete../ 150mm grip x 12mm dia rod.	each	111	4	444.00
20	Brass hasp bolt of approved quality fitted and fixed complete with 16 mm dia. Rod with centre bolt and round fitting. / 300 mm long	each	657	2	1314.00
21	Supplying, fitting and fixing PVC pipes of approved make of schedule 80 conforming to ASTM D -1785 and thread to match with GI pipes as per IS : 1239 (part - I) with all necessary accessories.. Complete in all respect including cost of all necessary fittings.				0.00
	a. 25 mm dia.	metre	177	10	1770.00
	b. 15 mm dia.	metre	101	5	505.00
22	Supplying, fitting and fixing of white vitreous chinaware best quality approved make wash basin with C.I. brackets on 75 mm x 75 mm x 75 mm wooden blocks, C.P waste fittings of 32 mm dia, one approved quality brass c.p. pillar cock of 15 mm dia, C.P chain with rubber plug of 32 mm dia, Approved quality pvc waste pipe with C.P nut of 32 mm dia. , 900 mm long approved quality pvc connection pipe with heavy duty brass C.P nut including mending good all damages and painting. 650mm x 450 mm size.	each	3260	2	6520.00
23	Supplying, fitting and fixing pedestal of approved make for wash basin (white).	each	1497	1	1497.00
24	Supplying, fitting & fixing of Peet's valve fully gun metal standard pattern best quality of approved brand bearing ISI mark with fittings./ 25 mm dia.	each	912	2	1824.00
25	Supplying, fitting and fixing of C.P bib cock/ stop cock of approved make and brand.	each	861	4	3444.00
26	Supply of high density Poly-ethylene Pipe conforming to IS-4984-1985. / 50 mm dia.	mtr.	110	9.5	1045.00

Total 206511.88

Add GST @ 12% 24781.43

231293.31

Add Lab welfare Cess @ 1% 2312.93

Total 233606.24

Name of the Agency :

Address of the Agency:

**Rate Quoted by the Agency :.....(% / Below / At par /Above)
with date and seal.**



UNIVERSITY OF CALCUTTA

Office of the Engineer
Darbhanga Building
87/1 College Street
Kolkata- 700073

NOTICE INVITING TENDER

University of Calcutta invites sealed tender from resourceful and bonafide contractors for the following work

1.	N.I.T. No	:	Eng/EQ- 178 /20 -21	Dated: 22 / 01 /2021
2.	Name of Work	:	Supply,Installation, commissioning of new air conditioner machines at proposed renovated legal aid clinic of law college,department of law,51/1 Hazra Road,,Kolkata 19,University of Calcutta....	
3.	Estimated Cost put to Tender	:-	N.A	
4.	Earnest Money	:-	A sum of Rs5% in the form of CTS demand draft in favour of University of Calcutta payable at Kolkata is to be attached with the Tender as earnest money failing which the tender will be treated cancelled. The earnest money will be returned to unsuccessful tenders on application after issuing of work order to the successful bidder. In case of successful tender the EMD will be returned on application after an equal amount of security deposit is deducted by the University from the running bills/final bill as per norms. EMD will be exempted for those bidders who are registered with NSIC or MSME subject to the submission of NSIC/MSME certificate of similar nature of wor	
5.	Time of completion	:-	15days	
6.	Eligibility Criteria	:-	Valid trade License , GST & Pan and credential for satisfactory completion of similar nature of job. Amounting 75 % of the estimated value in a single tender in the last three financial year . Government, Government Undertaking and University of Calcutta credentials are accepted. (Only completion certificate of the work should be treated as Credential.	
7.	Issue of tender papers	:-	TO BE DOWNLOADED FROM WEBSITE (www.caluniv.ac.in).	
8.	Last Date and Time of tender submission	:-	03 / 02 /21(up to 2.00 PM)	
9.	Date and Time of tender opening	:-	On 03 / 02 /21 (at 3.00 PM) or after	

N.I.T no. Name of work and the date of opening should be written on the sealed envelope otherwise tender will not be opened thus cancelled.

UNIVERSITY ENGINEER (C.U)



UNIVERSITY OF CALCUTTA

NOTICE INVITING TENDER No: Eng/EQ- 178 /20 -21

Dated: 22/01/2021

Name of the work: - Supply,Installation, commissioning of new air conditioner machines at proposed renovated legal aid clinic of law college,department of law,51/1 Hazra Road,,Kolkata 19,University of Calcutta.....

Name of Agency:-

Address of Agency:-

Rate quoted by Agency: - (%)
Percent Above / At par / Below

Signature of the Agency with date & stamp:-



UNIVERSITY OF CALCUTTA

Tender No: - Eng/EQ- 178 /20 -21

Dated: 22 / 01 /2021

TENDER AND CONTRACT FOR WORK

GENERAL TERMS AND DIRECTION FOR THE GUIDANCE OF CONTRACT

1. Eligible Tenders will have to download the tender papers from the website & drop the filled tender papers signed with seal and date at every page along with copy of Valid Trade license's, GST & PAN and Credential for satisfactory completion of similar nature of job amounting to at least seventy five percent of the job value in a single tender from any Government, Govt. undertaking or University of Calcutta in the last three financial year(only completion certificate of the work should be treated as Credential) in sealed envelope in the Tender box kept in the Office of the undersigned. The tendered must write the name of the work, NIT no, the date of opening and name of the bidder on the envelop failing which the tender will not be opened thus will be treated as cancelled.
2. The rate should be quoted after inspection of the site and inclusive of all incidental charges i.e. freight, insurances, labour insurances, handling charges, necessary government taxes, duties etc. as well as the Water, Electricity charges which are to be paid as per rules.
3. The contractor shall be responsible to ensure compliance with the provision of minimum wages act 1948 as modified up to date and the rules made in respect of any employees, employed by the contractor directly or through the petty or subcontractor for the purpose of carrying this contract. The contractor shall be responsible for any damage, injury or loss caused by the work or workmen to any person, animal or material during the progress of work.
4. Liquidated damage will be charged to the contractor if they fail to complete the work within the stipulated time, 0.01% per day to a maximum limit of 05 % of the contract value.
5. The allotted time for completion of the work is 45days from the date of receipt of work order. Time is the essence of this contract. Normally no time extension will be granted. In case of prayer for extension of time the University authority has the full right reserved to grant it or discard it.
6. (a) If the successful contractor's bid rate is 80% or less than the estimated amount put to tender the contractor will have to submit a Bank Guarantee amounting to 10% of the Tendered amount before issue of Work order failing which the EMD will be forfeited and the agency may be blacklisted. The Bank Guarantee should be valid till the end of the contract period and shall be renewed accordingly if required. This bank Guarantee is an Additional Performance Security .So provision of deducting Security deposit from bills will hold goods per relevant clause of the contract. The bank Guarantee shall be returned immediately on successful completion of contract.



(b) The University authority will retain a sum amounting to 10% of the bill of the contract for a period of six months from the date of completion of work as Security Deposit. This will be released after a period of six months from the date of completion of the work on application.

7. A sum of 5% of the estimated amount put to tender (as mentioned earlier) in the form of demand draft in favour of UNIVERSITYOF CALCUTTA payable at Kolkata is to be attached with the tender as earnest money failing which the tender will be treated cancelled. The earnest money will be returned to unsuccessful tenderers on application & after issue of work order to the successful bidder. For successful tenderer the EMD will be returned on application after an equal amount of security deposit is deducted from the running bills.

D.D No..... Dated / /20

Name of Issuing Bank:--

B ranch :-

Amount: - Rs /-(Rupees)

8. Work is to be carried out as per specification laid in the B.O.Q or PWD specification as per instruction of the University Engineer or his representative.

9. The materials brought to site for execution of the work should by no means be taken out of site without the permission of the Engineer C.U.

10. The rates must be quoted in words in figure otherwise the tender will be cancelled.

11. The University will not be bound to accept the lowest bidder.

12. The University will not supply any materials to the contractor.

13. The contractor will work under the strict supervision of the Engineer. The estimate given along with the tender are provisional, payment will be made on the actual work done jointly measured by the consultant & the contractor. The contractor will have to submit bill in printed format in duplicate.

14. The contractor will have to take necessary instruction from the Engineer, CU / his representative regarding the execution of work.

15. The contractor has to produce user end completion certificate before claiming of final bill.

16. The eligible Contractor who does not have ESI for their workers will have to possess workmen's compensation policy for their workers before starting the job.



17. Guarantee/Warranty period of the work will be 6(Six) months from the date of completion of the work.

Sd/-

University Engineer

Name of the Agency:-

Address:-

Signature of the contactor with seal & date:

**B.O.Q FOR SUPPLY , INSTALLATION, COMMISSIONING OF NEW AIRCONDITIONER MACHINES AT PROPOSED RENOVATED
LEGAL AID CLINIC OF LAW COLLEGE,DEPARTMENT OF LAW,51/1 HAZRA ROAD,KOLKATA 19,UNIVERSITY OF CALCUTTA**

Sl.No.	Description of work	Unit	Rate	Quantity	Amount
1	Supply,delivery & Testing of high wall 1.5Tx split air conditioner,having following specification: (Hitachi/Daikin/Voltas) cooling capacity not less than 6400watt minimum ISEER-3.5 BEE level:3star or above IS compliance-IS-1391 Refrigerant -R410/R32 Compressor;Rotary/Scroll Evaporator & Condenser coil; copper operating outdoor Temp:50degree or avove Power supply:230V,50Hz[+/- tolerance as per applicable standard] The scope of work is also includes supply of following i)Necessary refrigerant copper line with nitrile rubber insulation 3mtr ii)Necessary copper cable (FRLS Type;Finolex,Havells,Polycab)	Each		2	
2	Installation & commissioning of indoor& outdoor unit of said HI wall split AC m/c after making hole in wall incl.S&F necy fixing arrangements for indoor & outdoor unit,duly painted,laying &making connection of drn pipe,refrigerant pipe,power cable as per EIC.	set		2	
3	S&F additional items for length exceeding 3 mtrs for complete installati on,testing & commissioning of above AC machine; i) 3 core 2.5sq.mm PVC insulated FRLS grade copper cable(Finolex) ii)S&F of 5/8" &1/4" extra refrigerant copper pipe with 9mm thick nitrile rubber insulation.(Each mtr of refrigerant pipe will include cost of 1mtr liquid pipe & 1mtr gas pipe of reqd dia) incl fixing arrangements,with wrapping insulation tape complete in all respect as per EIC	RM		43	
4	S&F PVC drain pipe for drainage connection as per EIC	RM		40	
5	S&F angle structre/pre fabricated angle with mending works for installati on of split air conditioner as per EIC	set		2	
6	Hire & labour charges for shuttering with centering &necy. Staging upto 4mtr using approved stout props &thick hard wood planks of apprpd thickness with reqd.bracing for concrete slab,beams & coloumns,lintels curved or straight.....works (upto roof of G/F) When the height of a particular floor is more than 4mtr the equivalent flr height shall be taken as 4mtr 7 extra for works beyond the initial 4mtr shall be allowed under 12(e) for every 4mtr or part thereof.extra for staging beyond 4mtr in any floor.(H=12mtr,B=2mtr,L=1.5mtr) Vol=36cum	cum		36	

(A) TOTAL BASIC COST :

(B)G.S.T @12% ON TOTAL TENTATIVE BASIC COST(A)

TOTAL BASIC COST +GST=(A+B)
(C) ADD 1% L.W CESS ON (A+B) :
TOTAL COST :(A+B+C)=Rs()= RS
TOTAL COST :(In Word)=Rs RS

Name of contractor :

Address of the contractor:

Amount/Rate quoted by the contractor:

Signature & Date with seal :



UNIVERSITY OF CALCUTTA
OFFICE OF THE UNIVERSITY ENGINEER
87/1 College Street
Darbhanga Building, Ground Floor
Kolkata-700073
Website :-www.caluniv.ac.in

NOTICE INVITING TENDER

University of Calcutta invites **sealed** tender from resourceful and bonafide contractors for the following work

1.	N.I.T. No	:	Eng /ET- 174 /20-21 Dated 22 /01 / 2021
2.	Name of Work	:	Replacement of age old luminaires & exhaust fans in the toilets of Dr. B.C Guha centre for genetic engineering & Biotechnology, Dept of Biotechnology, C.U, by S&F new luminaires, exhaust fans, fresh wiring as & where necy. basis..
3.	Estimated Cost put to Tender	:-	87056/-[Eightyseven thousand & fifty six only]
4.	Earnest Money	:-	A sum of Rs5000/- (Rupees Five thousand only) . in the form of CTS demand draft in favour of University of Calcutta payable at Kolkata is to be attached with the Tender as earnest money failing which the tender will be treated cancelled. The earnest money will be returned to unsuccessful tenders on application after issuing of work order to the successful bidder. In case of successful tender the EMD will be returned on application after an equal amount of security deposit is ducted by the University from the running bills..EMD will be exempted for those bidders who are registered with NSIC or MSME subject to the submission of NSIC/MSME certificate of similar nature of work.
5.	Time of completion	:-	10 days
6.	Eligibility Criteria	:-	Valid trade License , GST & Pan and credential for satisfactory completion of similar nature of job. Amounting 75 % of the estimated value in a single tender in the last three financial year . Government, Government Undertaking and University of Calcutta credentials are accepted.(only completion certificate of the work should be treated as Credential.
7.	Last date of receipt of application for tender	:-	NA
8.	Last date of Sale/ issue of tender papers		TO BE DOWNLOADED FROM WEBSITE.(www. caluniv.ac.in)
9.	Last Date and Time of tender Submission	:-	03 / 02 /2021(10am to 2pm)
10.	Date and Time of Tender Opening	:-	After 3:00 PM 03 / 02 /2021

N.I.T no ,Name of work and the date of opening should be written on the sealed envelope otherwise tender will not be opened thus cancelled.

The undersigned reserves the right to reject any or all Tenders without assigning any reason what so ever.

UNIVERSITY ENGINEER (C.U)



UNIVERSITY OF CALCUTTA

Name of the work: Replacement of age old luminaires & exhaust fans in the toilets of Dr. B.C Guha centre for genetic engineering & Biotechnology, Dept of Biotechnology, C.U, by S&F new luminaires, exhaust fans, fresh wiring as & where necy. basis..

N. I.T. no- Eng /ET- 174 /20-21 **Dated** 22 / 01 / 2021

Estimated cost Put to Tender: 87056/--[Eightyseven thousand & fifty six only]

Name of Agency:-

Address of Agency:-

Rate quoted by Agency:- (%)
Percent Above / At par / Below

Signature of the Agency with date & stamp:-



UNIVERSITY OF CALCUTTA

N. I.T. no- Eng /ET- 174 /20-21 Dated 22 / 01 / 2021

TENDER AND CONTRACT FOR WORK

GENERAL TERMS AND DIRECTION FOR THE GUIDANCE OF CONTRACT

1. Eligible Tenders will have to download the tender papers from the website & drop the filled tender papers signed with seal and date at every page along with copy of Valid Trade license's, GST & PAN and Credential for satisfactory completion of similar nature of job amounting to at least seventy five percent of the job value in a single tender from any Government, Govt. undertaking or University of Calcutta in the last three financial year in sealed envelope in the Tender box kept in the Office of the undersigned with in the specified time mentioned in the NIT. which will be opened by the undersigned or by his representative with in **the specified time and date mentioned in the NIT.** **The tendered must write the name of the work , NIT no , the date of opening and name of the bidder on the envelop failing which the tender will not be opened thus will be treated as cancelled.**
2. The rate should be quoted after inspection of the site and inclusive of all incidental charges i.e. freight, insurances, labour insurances, handling charges, necessary government taxes, duties etc as well as the Water, Electricity charges which are to be paid as per rules .
3. The contractor shall be responsible to ensure compliance with the provision of minimum wages act 1948 as modified up to date and the rules made in respect of any employees, employed by the contractor directly or through the petty or subcontractor for the purpose of carrying this contract. The contractor shall be responsible for any damage, injury or loss caused by the work or workmen to any person, animal or material during the progress of work.
4. Liquidated damage will be charged to the contractor if they fail to complete the work within the stipulated time, 0.01% per day to a maximum limit of 05 % of the contract value .



5. The allotted time for completion of the work 45 days from the date of receipt of work order .Time is the essence of this contract. Normally no time extension will be granted. In case of prayer for extension of time the University authority has the full right reserved to grant it or discard it.

6. (a) If the successful contractor's bid rate is 80% or less than the estimated amount put to tender the contractor will have to submit a Bank Guarantee amounting to 10% of the Tendered amount before issue of Work order failing which the EMD will be forfeited and the agency may be blacklisted. The Bank Guarantee should be valid till the end of the contract period and shall be renewed accordingly if required. This bank Guarantee is an Additional Performance Security .So provision of deducting Security deposit from bills will hold goods per relevant clause of the contract. The bank Gurrantee shall be returned immediately on successful completion of contract.

(b) The University authority will retain a sum amounting to 10% of the bill of the contract for a period of six months from the date of completion of work as **Security Deposit**. Which will be released after a period of six months from the date of completion of the work on application.

7. A sum of 5% of the estimated amount i.e. value **as mentioned in the NIT**. in the form of demand draft in favour of UNIVERSITYOF CALCUTTA payable at Kolkata is to be attached with the tender as earnest money failing which the tender will be treated cancelled. The earnest money will be returned to unsuccessful tenderers on application after issue of work order to the successful bidder. For successful tenderer the EMD will be returned on application after an equal amount of security deposit is deducted from the running bills.

Amount:-Rs

D.D No..... Dated / /20

Name of Issuing Bank:--

B ranch :-

8. Work is to be carried out as per specification laid in the B.O.Q or PWD specification as per instruction of the University Engineer or his representative.



9. The materials brought to site for execution of the work should by no means be taken out of site without the permission of the Engineer C.U.

10. The rates must be quoted in words in figure other wise the tender will be cancelled.

11. The University will not be bound to accept the lowest bidder.

12. The University will not supply any materials to the contractor.

13. The contractor will work under the strict supervision of the Engineer/ Sub-Assistant Engineer. The estimate given along with the tender are provisional payment will be made on the actual work done jointly measured by the Engineer or his representative (Sub-Assistant Engineer) & the contractor or his representative. The contractor will have to submit bill in printed format in duplicate .

14. The contractor will have to take necessary instruction from the Engineer CU/ Sub-Assistant Engineer regarding the execution of work.

15. Defect & liability Period :- The defect & liability period will be for a period of six months from the date of completion of the job. Any defects pointed out during this period has to be mend good by the agency at their own cost failing which the retention money will be forfeited.

Sd/-

University Engineer

Name of the Agency:

Address :-

SIGNATURE OF THE CONTRACTOR WITH SEAL AND DATE

B.O.Q FOR REPLACEMENT OF AGE OLD LUMINAIRES & EXHAUST FANS IN THE TOILETS OF DR. B.C GUHA CENTRE FOR GENETIC ENGINEERING & BIOTECHNOLOGY, DEPT.OF BIOTECHNOLOGY,C.U BY S&F NEW LED LUMINAIRES , EXHAUST FANS FRESH WIRING AS & WHERE NECY. BASIS.

SI.No.	Description of work	Unit	Rate	Quantity	Amount	PWD 17 Sch.
1	Distribution wiring in 1.1 KV grade 2x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in suitable size PVC casing-capping (Precision make) with 1x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, incl. necy. PVC clips, fittings etc. to light/fan/call bell point with piano key type switch (Anchor make) fixed on sheet steel fabricated switch board with Perspex/bakelite top cover on wall incl. necy. connections and making earthing attachment and mending good damages to building works. [PVC casing-capping and Switch board both on surface] (Average run 6 mtr) L=22,	Each	650	24	15600	E11/2b
2	Distribution wiring in 1.1 KV single core stranded FR PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required.					
a)	2x22/0.3(1.5sq.mm)+1x22/0.3(1.5sq.mm)ECC (DB to SB1=3.4mt, SB2:7mtr SB3:12.1mtr SB4:12.3mtr)	RM	102	39	3978	E14/E1/i]
b)	2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC (23+17.5+14+5)	RM	119	37	4403	E14/E1/ii]
3A	Fixing only single/twin fluorescent light fitting suspended 25 cm bellow the ceiling with 2 No. 20 mm dia EI conduit (14 SWG) supports fixed with "L" type MS clamp whose one side fixed on ceiling with suitable size 4 nos. fastener and other side connected with the conduit with suitable size of bolts and nuts incl. S&F EI conduit, "L" type (125mmx125mm) 6mm thick and 25mm with MS clamps and connecting the length of PVC insulated wire and mending good damages to original finish and painting etc. by					
	2x24/0.20 mm (1.5sqmm.) flexible copper wire of 1.10 mt. length	Each	199	14	2786	C2/17
3B	Fixing only exhaust fan after making hole in wall and making good damages and smooth cement finish etc. as practicable as possible and providing necy. length of PVC insulated wire and making connection for exhaust of following diameter:					
	(a)30 cm (12")	Each	329	8	2632	C4/28a
	supplying of 1ph 12" 48watt,920rpm heavy duty exhaust fan EPC make	Each	2860	8	22880	p/list 14
3C						
4	LUMINAIRES					
a)	TMC 501P 2xT -LED Incl.mounting rail for TLED Lamps (Philips) In LAB)	Each	600	16	9600	LED P/Ist
b)	TLED Essential tube 1200mm..1600 Lumen 20w(Philips) (2x14=28)	Each	400	32	12800	2017
5	Supplying and fixing 240/415 V MCB of Breaking capacity 10KA & C characteristics on din rail of existing DBs & necy conn. 6-32A...SP (to be installed in existing DB in place of faulty one)	Each	190	12	2280	D6/7
	(A) TOTAL BASIC COST :				76959	
	(B)G.S.T @12% ON TOTAL BASIC COST(A)(Subject to					

verification of accounts dept)	9235
TOTAL BASIC COST +GST(A+B)	86194
(C) ADD 1% L.W CESS ON C :	862
TOTAL COST :(A+B+C)=Rs(76959+9235+862)= RS	87056
(Rs.EIGHTYSEVEN THOUSAND &FIFTY SIX ONLY)	

Name of Agency:

Address of the agency:

Amount/Rate quoted by the agency:

Signature of the agency with date:

Name of contractor:

Address of the contractor:

Amount/Rate quoted by the contractor:

Signature of the contractor with seal



UNIVERSITY OF CALCUTTA
OFFICE OF THE UNIVERSITY ENGINEER
87/1 College Street
Darbhanga Building, Ground Floor
Kolkata-700073
Website :-www.caluniv.ac.in

NOTICE INVITING TENDER

University of Calcutta invites **sealed** tender from resourceful and bonafide contractors for the following work

1.	N.I.T. No	:	Eng /ET- 176 /20-21. Dated 22 / 01 / 2021
2.	Name of Work	:	E.I Works for the renovation of high tech green house facility at botany garden,department of Botany,Ballygunge science college,University of Calcutta
3.	Estimated Cost put to Tender	:-	491397/=(Four lacs ninety one thousand three hundred ninety seven only)
4.	Earnest Money	:-	A sum of Rs25000/- (Rupees Twenty five thousand only) . in the form of CTS demand draft in favour of University of Calcutta payable at Kolkata is to be attached with the Tender as earnest money failing which the tender will be treated cancelled. The earnest money will be returned to unsuccessful tenders on application after issuing of work order to the successful bidder. In case of successful tender the EMD will be returned on application after an equal amount of security deposit is deducted by the University from the running bills.EMD will be exempted for those bidders who are registered with NSIC or MSME subject to the submission of NSIC/MSME certificate of similar nature of work.
5.	Time of completion	:-	60 days
6.	Eligibility Criteria	:-	Valid trade License , GST & Pan and credential for satisfactory completion of similar nature of job. Amounting 75 % of the estimated value in a single tender in the last three financial year . Government, Government Undertaking and any state run University credentials are accepted.(only completion certificate of the work should be treated as Credential.
7.	Last date of receipt of application for tender	:-	NA
8.	Last date of Sale/ issue of tender papers		TO BE DOWNLOADED FROM WEBSITE.(www. caluniv.ac.in)
9.	Last Date and Time of tender Submission	:-	03 / 02 /21 (up to 2pm)
10.	Date and Time of Tender Opening	:-	After 3:00 PM 03 / 02 /2021

N.I.T no ,Name of work and the date of opening should be written on the sealed envelope otherwise tender will not be opened thus cancelled.

The undersigned reserves the right to reject any or all Tenders without assigning any reason what so ever.

UNIVERSITY ENGINEER (C.U)



UNIVERSITY OF CALCUTTA

Name of the work: E.I Works for the renovation of high tech green house facility at botany garden, Department of Botany, Ballygunge science college,
University of Calcutta

N. I.T. no- Eng /ET- 176 /20-21 **Dated** 22 / 01 / 2021

Estimated cost Put to Tender491397/=(Four lacs ninety one thousand three hundred ninety seven only)

Name of Agency:-

Address of Agency:-

Rate quoted by Agency:- (%)
Percent Above / At par / Below

Signature of the Agency with date & stamp:-



UNIVERSITY OF CALCUTTA

N. I.T. no- Eng /ET- 176 /20-21 Dated 22 / 01 / 2021

TENDER AND CONTRACT FOR WORK

GENERAL TERMS AND DIRECTION FOR THE GUIDANCE OF CONTRACT

1. Eligible Tenders will have to download the tender papers from the website & drop the filled tender papers signed with seal and date at every page along with copy of Valid Trade license's, GST & PAN and Credential for satisfactory completion of similar nature of job amounting to at least seventy five percent of the job value in a single tender from any Government, Govt. undertaking or University of Calcutta in the last three financial year in sealed envelope in the Tender box kept in the Office of the undersigned with in the specified time mentioned in the NIT. which will be opened by the undersigned or by his representative with in **the specified time and date mentioned in the NIT.** **The tendered must write the name of the work , NIT no , the date of opening and name of the bidder on the envelop failing which the tender will not be opened thus will be treated as cancelled.**
2. The rate should be quoted after inspection of the site and inclusive of all incidental charges i.e. freight, insurances, labour insurances, handling charges, necessary government taxes, duties etc as well as the Water, Electricity charges which are to be paid as per rules .
3. The contractor shall be responsible to ensure compliance with the provision of minimum wages act 1948 as modified up to date and the rules made in respect of any employees, employed by the contractor directly or through the petty or subcontractor for the purpose of carrying this contract. The contractor shall be responsible for any damage, injury or loss caused by the work or workmen to any person, animal or material during the progress of work.
4. Liquidated damage will be charged to the contractor if they fail to complete the work within the stipulated time, 0.01% per day to a maximum limit of 05 % of the contract value .



5. The allotted time for completion of the work 45 days from the date of receipt of work order. Time is the essence of this contract. Normally no time extension will be granted. In case of prayer for extension of time the University authority has the full right reserved to grant it or discard it.

6. (a) If the successful contractor's bid rate is 80% or less than the estimated amount put to tender the contractor will have to submit a Bank Guarantee amounting to 10% of the Tendered amount before issue of Work order failing which the EMD will be forfeited and the agency may be blacklisted. The Bank Guarantee should be valid till the end of the contract period and shall be renewed accordingly if required. This bank Guarantee is an Additional Performance Security. So provision of deducting Security deposit from bills will hold goods per relevant clause of the contract. The bank Gurrantee shall be returned immediately on successful completion of contract.

(b) The University authority will retain a sum amounting to 10% of the bill of the contract for a period of six months from the date of completion of work as **Security Deposit**. Which will be released after a period of six months from the date of completion of the work on application.

7. A sum of 5% of the estimated amount i.e. value **as mentioned in the NIT** in the form of demand draft in favour of UNIVERSITY OF CALCUTTA payable at Kolkata is to be attached with the tender as earnest money failing which the tender will be treated cancelled. The earnest money will be returned to unsuccessful tenderers on application after issue of work order to the successful bidder. For successful tenderer the EMD will be returned on application after an equal amount of security deposit is deducted from the running bills.

Amount:-Rs

D.D No...... Dated / /20

Name of Issuing Bank:--

B ranch :-

8. Work is to be carried out as per specification laid in the B.O.Q or PWD specification as per instruction of the University Engineer or his representative.



9. The materials brought to site for execution of the work should by no means be taken out of site without the permission of the Engineer C.U.
10. The rates must be quoted in words in figure other wise the tender will be cancelled.
11. The University will not be bound to accept the lowest bidder.
12. The University will not supply any materials to the contractor.
13. The contractor will work under the strict supervision of the Engineer/ Sub-Assistant Engineer. The estimate given along with the tender are provisional payment will be made on the actual work done jointly measured by the Engineer or his representative(Sub-Assistant Engineer)& the contractor or his representative. The contractor will have to submit bill in printed format in duplicate .
14. The contractor will have to take necessary instruction from the Engineer CU/ Sub-Assistant Engineer regarding the execution of work.
15. Defect & liability Period :- The defect & liability period will be for a period of six months from the date of completion of the job. Any defects pointed out during this period has to be mend good by the agency at their own cost failing which the retention money will be forfeited.

Sd/-

University Engineer

Name of the Agency:

Address :-

SIGNATURE OF THE CONTRACTOR WITH SEAL AND DATE

**BOQ FOR E.I WORKS FOR RENOVATION OF HIGH TECH GREEN HOUSE FACILITY,AT BOTANY GARDEN
DEPARTMENT OF BOTANY,BALLYGUNGE SCIENCE COLLEGE,UNIVERSITY OF CALCUTTA**

Sl.No.	Description of work	Unit	Rate	Quantity	Amount	PWD
1	Distribution wiring in 1.1 KV grade 2x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in suitable size PVC casing-capping (Precision make) with 1x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, incl. necy. PVC clips, fittings etc. to light/fan/call bell point with piano key type switch (Anchor make) fixed on sheet steel fabricated switch board with Perspex/bakelite top cover on wall incl. necy. connections and making earthing attachment and mending good damages to building works. [PVC casing-capping and Switch board both on surface Average run 6 mtr	Each	650	32	20800	E11/2 sch17
2	Supply & Fixing 240 V, 3 nos. 6A, & 1 no. 20A plug socket with separate 3 nos. 6 A & 1 no. 20A Piano key type switch, indicator & 20A switch type SP MCB (Brand approved by EIC) on sheet metal switch board embedded in wall incl. S & F 240x200x65mm MS (16SWG) switch board and bakelite/perspex top cover of 3mm thick by Brass screws after making housing for switch by cutting bakelite/perspex cover and making necessary connections as required .	Each	752	10	7520	E7/26
3	Supply & Fixing 240 V, 20A, plug socket with separate 20 A Piano key type switch (Brand approved by EIC) on sheet metal switch board embedded in wall incl. S & F 150x100x65mm MS (16SWG) switch board and bakelite/perspex top cover of 3mm thick by Brass screws after making housing for switch by cutting bakelite/perspex cover and making necessary connections as required	Each	287	5	1435	E6/22
4	Distribution wiring in 1.1 KV single core stranded FR PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required(PWD17/E14/E1)					
i	2x22/0.3(1.5sq.mm)+1x22/0.3(1.5sq.mm)ECC	RM	102	33	3366	E14/E1]
ii	2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC	RM	119	59	7021	E14/E1
iii	2 x 56/0.3 (4 sqmm) + 1 x 36/0.3 (2.5 sqmm) ECC	RM	149	107	15943	E14
iv	2 x 84/0.3 (6 sqmm) + 1 x 56/0.3 (4 sqmm) ECC	RM	193	63	12159	E14
5	Supplying and fixing double door Horizontal TPN MCB Distribution board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachme Legrand (8way Encl.607717)]	Each	4194	1	4194	D10
6	Supplying and fixing double-door SPN MCB Distribution Board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to					

original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment

	(2+12) Way Legrand(Encl607712)	Each	1757	1	1757	D9/13
7	Supplying of PVC Arm.cable with Al. conductors of 1.1 KV grade conforms to I.S:1554 (part-1) for following cross -section					
a)	1x 35sq.mm 3.5 core	RM	412	45	18540	Havells
b)	1x16 sq.mm 2 core	RM	215	41	8815	list 14
8	Laying of cable as below, on existing Cable Tray and binding with suitable size GI wire.					
a)	1x 35sq.mm 3.5 core	RM	11	45	495	/F3/6
b)	1x16 sq.mm 2 core	RM	11	41	451	Do
9	S&F compression type gland complete with brass gland rubber rings for dust & moisture proof entry					
a)	1x 35sq.mm 3.5 core	Each	162	4	648	F4/7]
b)	1x16 sq.mm 2 core	Each	115	2	230	Do
10	Finishing the end of following cables by crimping method incl S&F dowels etc.					
a)	1x 35sq.mm 3.5 core	Each	158	4	632	F5/8
b)	1x16 sq.mm 2 core	Each	58	2	116	
11	Supplying and fixing 240/415 V MCB Isolator on din rail of existing DBs and necessary connection [PWD17/D5/6]					
	DP 63A	Each	460	1	460	D5/6
	FP 100A	Each	927	1	927	Do
12	Supplying and fixing 240/415 V MCB of Breaking capacity 10KA / C characteristics on din rail of existing DBs & necy conn. 6-32A...SP	Each	190	36	6840	D6/7
13	Supply & Fixing of perforated GI cable tray with perforation not more than 17.5% suspended from ceiling incl. S&F GI connector, 6mm dia MS suspender, bolts & nuts, steel fastener etc. as required of the following size. Incl. Al painting of MS support. 300x50x1.25mm (18SWG) (PWD 17/D14/34ii)	Each	367	8	2936	D14
14	Supply & Fixing 240 V, 25A Modular type socket, 25 A, Modular type starter (Brand approved by EIC) with 25A Modular switch type DP MCB (C-Curve) and 6 Module GI Modular type switch board with 6 Module top cover plate flushed in wall incl. S&F switch board and cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc.	Each	1047	2	2094	E19
15	Supply & Fixing 240 V, 25A Modular switch type SP MCB© (approved by EIC) on existing GI Modular type switch board with top cover plate and making necy connections with PVC Cu.wire and earth continuity wire..	Each	159	2	318	/E19
16	Fixing only single/twin fluorescent light fitting suspended25cm bellow the ceiling with 2 No. 20 mm dia EI conduit (14 SWG) supports fixed with "L" type MS clamp whose one side fixed on ceiling with sutable size 4 nos. fastener and other side connected with the conduit with suitable size of bolts and nuts incl. S&F					

	Elbox type clamp.Connecting the length of Pvc insulated wire mending good damages to original finish and painting etc. by 2x/0.20 mm (1.5sqmm.) flexible copper wire of 1.10 mt.	Each	199	25	4975	C2/17
17	Lowering & refixing of existing luminaires complete with set,light rubber bush etc.incl making necy connection & disconn.as reqd	Each	35	25	875	C3/22
18	Supply & Fixing 240V6A plug socket without switch & plug top on existingswitch board having bachelite cover by screws after making housing for socket & making necy connection.	Each	36	2	72	E5/15a
19	Supply & Fixing 240V6A piano key type switch (brnd aprpd) on existing switch board having bachelite cover by screws after making housing for socket & making necy connection.	Each	27	2	54	E5/14
20	LUMINAIRES					
a)	TMC 501 P 2x LEDMounting rails for TLED Lamps	Each	600	25	15000	Plist 14
b)	TLED Essential 20Watt	Each	400	50	20000	do
c)	Photosynthetically active radiation lamp code 016166-00700A/40w specific action spectralamps for photosynthesis with electronic gear for reasearch	Each	800	6	4800	m/price
21	Control Panel					
a)	Monitor control panel ,which includes,Light,Temparature & Humidity control system with Microprocessor; a) Technical feature of photo periodic Timer Cycle:24hrs minimum ON/OFF periods 30mins Accuracy+/- 10sec/day input 200-240V AC single phase Ambient 5degree to 45deg C RH upto 85% normally					
b)	Technical feature of Temp.Control System Temp Range 0.1 to 59.9deg C Accuracy+/- 1 deg C Hysteresis 0.4deg with Pt 100 T/C with 5mtr cord input 200-240V AC single phase Ambient 5degree to 45deg C RH upto 85% normally					
c)	RH control system:to maintain RH in the range of +/- Range 30% to 90% Real RH+/-2% input 200-240V AC single phase Ambient 5degree to 45deg C RH upto 95% normally Piltz Timer for humidity ...1no	set	129,000	1	129000	m/price
22	Fixing only exhaust fan after making hole in wall and making good damages and smooth cement finish etc. as practicable as possible and providing necy. length of PVC insulated wire and making connection for exhaust of following diameter: (a)30 cm (12") supplying of 1ph 12" 48watt,920rpm heavy duty exhaust fan EPC	Each	329	2	658	C4/28a
23	make	Each	2860	2	5720	p/list 14
	AIR CONDITIONER MACHINE					
	Supplying of 1.5 Tx3 star rated HI Wall split A.C machine,copper Fixed speed split air conditioner.(Make:Bluestar/Daikin/Hitachi) Installation,Testing,commissioning of said machines with all necy.	Each	40690	2	81380	p/18

	items like plywood,screw,nut bolts ,16A plug top of crabtree make etc.	Each	2500	2	5000	do
	Addl.copper pipe for refrigerant if require	RFT	225	33	7425	do
	Hard PVC drain pipe upto ground level with suitable U trap	RFT	40	20	800	do
24	Supplying and fixing 415V, TPN SFU open execution in existing SS enclosure/cubical with nuts bolts etc incl.S&F 3nos DIN type HRC fuse as per rating.					
	63A Make ; L&T	Each	2402	2	4804	D4/4b
	<u>INTER CONNECTION BETWEEN MAIN L.T BUSBAR TO FSU INCOMING</u>					
	Inter-connection between Bus-bar to TPNFSU by Havell's single core copper conductor (flexible) of following cross-section incl. S&F proper copper socketing and crimping & flexible pipe.					
	c)25 sq.mm	RM	249	15	3735	Havells 14
25	Earthing Installation – with Copper Plate electrode					
a)	Earthing with Copper plate (610x610x3mm size) having weight of 9.84 Kg and 1 No. 25x5mm Copper strip (3.20 mt long) & 1 no. 6 sqmm PVC insulated stranded Copper wire (4 Mt long) incl. S & F 15 mm dia GI pipe (ISI-Medium) protection (4 mt. long) to be filled with bitumen, partly under the ground level & partly above ground level to an average depth of 3.65 Mts. below the ground level and restoring the surface duly rammed incl. providing 3.0 mt long, 25 mm dia GI pipe (ISI-Medium) for periodic treatment, incl. providing masonry enclosure on the top of the earth electrode of overall size 86.36x86.36x46cm deep (below Ground level) complete with cemented brick work (1:6) of 25 cm width, duly plastered with cement mortar (inside) CI hinged inspection cover of size 36.56x35.56cm with locking arrangement, GI reducer and treatment of soil by using salt & charcoal or coke for plate electrode	SET	10466	2	20932	G3/7
b)	Connecting the equipments body to earth busbar including S & F 25 mm x 6 mm galvanised (Hot Dip) MS flat on wall/floor with GI saddles as required and connection to equipments incl. drilling holes, with bolts, nuts, washers etc.	RM	149	50	7450	G3/5d
c)	Supplying & fixing earth busbar of galvanized (Hot Dip) MS flat 40 mm x 6 mm on wall having clearance of 6 mm from wall including providing drilled holes on the busbar complete with GI bolts, nuts, washers, spacing insulators etc. as required	RM	194	2	388	G2/4b
d)	Supplying & fixing medium gauge GI Pipe (ISI-Medium) Protection with necessary fittings and jointing metarials as required.40mm dia.(For earth strip & Cable protection)	RM	246	14	3444	F6/11c
e)	Connecting the equipments to earth busbar including S & F GI (Hot Dip) wire of size as below on wall/floor with staples buried inside wall/floor as required and making connection to equipments with bolts, nuts, washers, cable lugs etc. as required and mending good damages					
	No. 6 SWG	RM	13	15	195	G2/5a
	(A) TOTAL BASIC COST :				434404	
	(B)G.S.T @12% ON TOTAL TENTATIVE BASIC COST(A)				52128	

TOTAL BASIC COST +GST=(A+B)	486532
(C) ADD 1% L.W CESS ON C :	4865
TOTAL COST :(A+B+C)=Rs(434404+52128+4865)=	491397
RS	
Four lacs Ninety one thousand three hundred & ninety seven only.	

Name of contractor:

Address :

Rate quoted by the contractor:

Signature of contractor with date:

Name of contractor:

Address :

Rate quoted by the contractor:

Signature of contractor with date:



UNIVERSITY OF CALCUTTA
OFFICE OF THE UNIVERSITY ENGINEER
87/1 College Street
Darbhanga Building, Ground Floor
Kolkata-700073
Website :-www.caluniv.ac.in

NOTICE INVITING TENDER

University of Calcutta invites **sealed** tender from resourceful and bonafide contractors for the following work

1.	N.I.T. No	:	Eng /ET- 177 /20 -21 Dated 22 / 01 / 2021
2.	Name of Work	:	Thorough E.I Works for H.O.D room(616) & its adjacent three no rooms(617 to 619) in the department of statistics under University of Calcutta incl.supply & fixing of air conditioner machine at only H.O.D's room..
3.	Estimated Cost put to Tender	:-	414188/-(Four lacs fourteen thousand one hundred eighty eight only)
4.	Earnest Money	:-	A sum of Rs21000/- (Rupees Twenty one thousand only) . in the form of CTS demand draft in favour of University of Calcutta payable at Kolkata is to be attached with the Tender as earnest money failing which the tender will be treated cancelled. The earnest money will be returned to unsuccessful tenders on application after issuing of work order to the successful bidder. In case of successful tender the EMD will be returned on application after an equal amount of security deposit is ducted by the University from the running bills. EMD will be exempted for those bidders who are registered with NSIC or MSME subject to the submission of NSIC/MSME certificate of similar nature of work.
5.	Time of completion	:-	25days
6.	Eligibility Criteria	:-	Valid trade License , GST & Pan and credential for satisfactory completion of similar nature of job. Amounting 75 % of the estimated value in a single tender in the last three financial year . Government, Government Undertaking and University of Calcutta credentials are accepted.(only completion certificate of the work should be treated as Credential.
7.	Last date of receipt of application for tender	:-	NA
8.	Last date of Sale/ issue of tender papers		TO BE DOWNLOADED FROM WEBSITE.(www. caluniv.ac.in)
9.	Last Date and Time of tender Submission	:-	03 / 02 /21(10am to 2pm))
10.	Date and Time of Tender Opening	:-	After 3:00 PM 03/ 02 / 2021

N.I.T no ,Name of work and the date of opening should be written on the sealed envelope otherwise tender will not be opened thus cancelled.

The undersigned reserves the right to reject any or all Tenders without assigning any reason what so ever.

UNIVERSITY ENGINEER (C.U)



UNIVERSITY OF CALCUTTA

Name of the work: Thorough E.I Works for H.O.D room(616) & its adjacent three no rooms(617 to 619) in the department of statistics under University of Calcutta incl.supply & fixing of air conditioner machine at only H.O.D's room..

N. I.T. no- Eng /ET- 177 /20-21 **Dated** 22 / 01 / 2021

Estimated cost Put to Tender: 414188/- (Four lacs fourteen thousand one hundred eighty eight only)

Name of Agency:-

Address of Agency:-

Rate quoted by Agency:- (%)
Percent Above / At par / Below

Signature of the Agency with date & stamp:-



UNIVERSITY OF CALCUTTA

N. I.T. no- Eng /ET- 177 /20 -21. Dated 22 / 01 / 2021

TENDER AND CONTRACT FOR WORK

GENERAL TERMS AND DIRECTION FOR THE GUIDANCE OF CONTRACT

1. Eligible Tenders will have to download the tender papers from the website & drop the filled tender papers signed with seal and date at every page along with copy of Valid Trade license's, GST & PAN and Credential for satisfactory completion of similar nature of job amounting to at least seventy five percent of the job value in a single tender from any Government, Govt. undertaking or University of Calcutta in the last three financial year in sealed envelope in the Tender box kept in the Office of the undersigned with in the specified time mentioned in the NIT. which will be opened by the undersigned or by his representative with in **the specified time and date mentioned in the NIT.** **The tendered must write the name of the work , NIT no , the date of opening and name of the bidder on the envelop failing which the tender will not be opened thus will be treated as cancelled.**
2. The rate should be quoted after inspection of the site and inclusive of all incidental charges i.e. freight, insurances, labour insurances, handling charges, necessary government taxes, duties etc as well as the Water, Electricity charges which are to be paid as per rules .
3. The contractor shall be responsible to ensure compliance with the provision of minimum wages act 1948 as modified up to date and the rules made in respect of any employees, employed by the contractor directly or through the petty or subcontractor for the purpose of carrying this contract. The contractor shall be responsible for any damage, injury or loss caused by the work or workmen to any person, animal or material during the progress of work.
4. Liquidated damage will be charged to the contractor if they fail to complete the work within the stipulated time, 0.01% per day to a maximum limit of 05 % of the contract value .



5. The allotted time for completion of the work 45 days from the date of receipt of work order. Time is the essence of this contract. Normally no time extension will be granted. In case of prayer for extension of time the University authority has the full right reserved to grant it or discard it.

6. (a) If the successful contractor's bid rate is 80% or less than the estimated amount put to tender the contractor will have to submit a Bank Guarantee amounting to 10% of the Tendered amount before issue of Work order failing which the EMD will be forfeited and the agency may be blacklisted. The Bank Guarantee should be valid till the end of the contract period and shall be renewed accordingly if required. This bank Guarantee is an Additional Performance Security. So provision of deducting Security deposit from bills will hold goods per relevant clause of the contract. The bank Guarantee shall be returned immediately on successful completion of contract.

(b) The University authority will retain a sum amounting to 10% of the bill of the contract for a period of six months from the date of completion of work as **Security Deposit**. Which will be released after a period of six months from the date of completion of the work on application.

7. A sum of 5% of the estimated amount i.e. value **as mentioned in the NIT** in the form of demand draft in favour of UNIVERSITY OF CALCUTTA payable at Kolkata is to be attached with the tender as earnest money failing which the tender will be treated cancelled. The earnest money will be returned to unsuccessful tenderers on application after issue of work order to the successful bidder. For successful tenderer the EMD will be returned on application after an equal amount of security deposit is deducted from the running bills.

Amount:-Rs

D.D No..... Dated / /20

Name of Issuing Bank:--

Branch :-

8. Work is to be carried out as per specification laid in the B.O.Q or PWD specification as per instruction of the University Engineer or his representative.



9. The materials brought to site for execution of the work should by no means be taken out of site without the permission of the Engineer C.U.

10. The rates must be quoted in words in figure other wise the tender will be cancelled.

11. The University will not be bound to accept the lowest bidder.

12. The University will not supply any materials to the contractor.

13. The contractor will work under the strict supervision of the Engineer/ Sub-Assistant Engineer. The estimate given along with the tender are provisional payment will be made on the actual work done jointly measured by the Engineer or his representative (Sub-Assistant Engineer) & the contractor or his representative. The contractor will have to submit bill in printed format in duplicate .

14. The contractor will have to take necessary instruction from the Engineer CU/ Sub-Assistant Engineer regarding the execution of work.

15. Defect & liability Period :- The defect & liability period will be for a period of six months from the date of completion of the job. Any defects pointed out during this period has to be mend good by the agency at their own cost failing which the retention money will be forfeited.

Sd/-

University Engineer

Name of the Agency:

Address :-

SIGNATURE OF THE CONTRACTOR WITH SEAL AND DATE

B.O.Q FOR THOROUGH E.I WORKS FOR H.O.D ROOM (616) & ITS ADJACENT THREE NO ROOMS(617to 619)
 IN THE DEPARTMENT OF STATISTICS,UNDER UNIVERSITY OF CALCUTTA INCL SUPPLY & FIXING OF AIR CONDITIONER
 AT ONLY HOD 'S ROOM.

Sl no	Description of work	Unit	Rate	Quantity	Amount	pwd 17
1	Distribution wiring in 1.1 KV grade 2x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in suitable size PVC casing-capping (Precision make) [for horizontal run & ceiling portion] and partly in 19mm bore, 3mm thick polythene concealed pipe [for vertical run embedded in wall only], with 1x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, incl. necy. fittings etc. to light/fan/call bell points with Modular type switch (Brand approved by EIC) fixed on Modular GI switch board with top cover plate and 2 no. suitable size "Ph & N" copper bar & earthing attachment flushed in wall incl. mending good damages to original finish [PVC casing-capping on Wall and vertical & switch box both concealed] (For only HOD's Room) Average run 8 mtr	Each	780	20	15600	SCH E23/7c
2	Distribution wiring in 1.1 KV grade 2x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in suitable size PVC casing-capping (Precision make) with 1x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, incl. necy. PVC clips, fittings etc. to light/fan/call bell point with piano key type switch (Anchor make) fixed on sheet steel fabricated switch board with Perspex/bakelite top cover on wall incl. necy. connections and making earthing attachment and mending good damages to building works. [PVC casing-capping and Switch board both on surface] [for rest of the rooms]	Each	659	20	13180	
3	Distribution wiring in 1.1 KV grade 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire					

(Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make), with 1.1 KV grade 1 x 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire as ECC, to 6A 3 pin Modular type plug socket & switch (Brand approved by EIC) on 4 Module GI switch board with 3/4 Module top cover plate on wall incl. necy. connection making earthing attachment, painting and mending good damages to building works. [For only HOD's room]

Average run 7.5 mtr

Each 805 2 1610 E24/3f

Average run 6 mtr

EE 719 2 1438 E24/3e

- 4 Supply & Fixing 240 V, 3 nos. 6A, & 1 no. 20A plug socket with separate 3 nos. 6 A & 1 no. 20A Piano key type switch with indicator & 16A kit-kat flush type fuse (Brand apprdr by EIC) on sheet metal switch board embedded in wall incl. S & F 240x200x65mm MS (16SWG) switch board and bakelite top cover of 3mm thick by Brass screws after making housing for switch by cutting bakelite/perspex cover & making necy conn. Each 763 6 4578
- 5 Supply & Fixing 240 V, 20A, plug socket with separate 20 A Piano key type switch (Brand approved by EIC) on sheet metal switch board embedded in wall incl. S & F 150x100x65mm MS (16SWG) switch board and bakelite/perspex top cover of 3mm thick by Brass screws after making housing for switch by cutting bakelite/perspex cover and making necessary connections as required Each 324 6 1944
- 6 Supply & Fixing 240 V, 16 A, 3 pin Modular type plug socket (Brand approved by EIC) with 16A Modular type switch, without plug top on 4 Module GI Modular type switch board with top cover plate flushed in wall incl. S&F switch board and cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc [For only HOD's room] Each 456 2 912 E18/9b
- 7 Supply & Fixing 240V, Modular Socket (2 Module) type fan regulator (Step type) (Brand approved by EIC) on existing Modular GI switch board with top cover plate incl. making necy. connections etc. Each 387 2 774 E18/10
- 8 Supply & Fixing 240 V, 4 nos. 16 A, 3 pin Modular type plug socket with 4 nos. 16A Modular type switch (Brand approved by EIC), 20A Modular switch type SP MCB (C-Curve) and Indicator without plug top on 2 row 18 Module GI Modular type switch board with 2 row 18 Module top cover plate flushed in wall incl. S&F switch board and cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc Each 2007 2 4014 E19/15
- 9 Supply & Fixing 240 V, 25A Modular type socket, 25 A, Modular type starter (Brand approved by EIC) with 25A Modular switch type DP MCB (C-Curve) and 6 Module GI Modular type switch board with 6 Module top cover plate flushed in wall incl. S&F switch board and cover plate and making necy. connections with PVC Cu wire and earth

B	LED panel light(Recess square) MPLS 02 12W ISI Make)	Each	700	14	9800	do
C	Supply & Fixing high speed (rpm 2000) with regulator wall fan Orient,crompton greaves make.	Each	2117	4	8468	p/list14
D	Fixing only cabin fan on wall/ceiling by S&F rag bolts, nuts & washers (6 mm dia x 62 mm long) or as reqd. incl. S&F 24/0.20 PVC insulated flexible copper wire 0.5 mt. length .	Each	92	4	368	C4/29
E	Fixing only bulk head ceiling fitting on wall/ceiling by screws etc. [Item 13 A to E.... For HOD room]	Each	56	16	896	C2/13
14	TMC 501P 2xT -LED Incl.mounting rail for TLED Lamps (Philips)	Each	600	14	8400	LED P/lst
15	TLED Essential tube 1200mm..1600 Lumen 20w(Philips)	Each	400	28	11200	2017
16	Fixing only single/twin fluorescent light fitting suspended 25 cm bellow the ceiling with 2 No. 20 mm dia EI conduit (14 SWG) supports fixed with "L" type MS clamp whose one side fixed on ceiling with suitable size 4 nos. fastener and other side connected with the conduit with suitable size of bolts and nuts incl. S&F EI conduit, "L" type (125mmx125mm) 6mm thick and 25mm with MS clamps and connecting the length of PVC insulated wire and mending good damages to original finish and painting etc. by 2x24/0.20 mm (1.5sqmm.) flexible copper wire of 1.10 mt. length (T/L SET :14Nos.)	Each	199	14	2786	C2/17
17	Lowering & refixing of existing ceiling fan complete with blades canopy,fork,rubber bush etc.incl making necy connection & disconn. as reqd.	Each	35	8	280	C3/22/17
18	DISTRIBUTION SYSTEM WITH TRAY					
A	Supply & Fixing of perforated GI cable tray with perforation not more than 17.5% suspended from ceiling incl. S&F GI connector, 6mm dia MS suspender, bolts & nuts, steel fastener etc. required of the following size. Incl. AI painting of MS support With 25x25x3mm angle iron support 300x50x1.25mm (18SWG)	Each	367	12	4404	D14
B	Supply & Fixing of perforated GI cable tray bend with perforation not more than 17.5% suspended from ceiling with two nos. suspenders & 25x25x3mm angle iron for supporting the cross member incl. S&F GI connector, 6mm dia MS suspender, bolts & nuts, steel fastener etc. as required of the following size. Incl. AI painting of MS support. 300x50x1.25mm (18SWG)	Each	706	4	2824	D15
19	Supplying and fixing double door Vertical TPN MCB Distribution board for MCCB incomer with IP-42/43 protection, on angle iron frame on wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment					
20	Enclosure(607914)Legrand upto 160A 8Way Supplying and fixing 415 V Four Pole MCCB of Breaking capacity 25kA/35kA with fixed thermal and fixed magnetic / adjustable thermal and fixed magnetic setting in existing DBs / enclosure and necessary connection	Each	10683	1	10683	D11/15

	Legrand 160A FP	Each	9759	1	9759	D8/10
21	Supplying and fixing 240/415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection					
	Legrand 63A TP	Each	1432	6	8592	D6/7
22	Supplying and fixing double-door SPN MCB Distribution Board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment.					
	Legrand(Encl.607712) 2+12way (PWD2014/D9/13)	Each	1757	1	1757	D9/13
23	Supplying and fixing double door Horizontal TPN MCB Distribution board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment					
	Legrand(encl.607717) 8way	Each	4194	2	8388	D10/14
24	Supplying and fixing 240/415 V MCB Isolator on din rail of existing DBs and necessary connection.					
a	63A DP Legrand (PWD2014/D5/6)	Each	460	1	460	D5/6
b	100A FP Legrand (DO)	Each	927	2	1854	do
25	Supplying and fixing 240/415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection					
	SP 6-32Amps Legrand	Each	190	60	11400	D6/7
26	Earth Continuity Conductor : Connecting the equipments to earth busbar including S & F GI (Hot Dip) wire of size as below on wall/floor with staples buried inside wall/floor as required and making connection to equipments with bolts, nuts, washers, cable lugs etc. as required and mending good damages					
	No. 10 SWG	RM	6	90	540	G2/5/17
27	Connecting the equipments body to earth busbar including S&F 20 mm x 3 mm galvanised (Hot Dip) MS flat on wall/floor with GI saddles as required and connection to equipments incl. drilling holes, with bolts, nuts, washers etc.					
		RM	92	6	552	G3/c/17
28	AC MACHINE					
A	Supply,delivery & Testing of high wall split 1.5Tx air conditioner,having following specification: (Hitachi/Daikin/Bluestar) cooling capacity not less than 6400watt minimum ISEER-3.5 BEE level:3star or above IS compliance-IS-1391 Refrigerant -R410/R32 Compressor;Rotary/Scroll Evaporator & Condenser coil; copper operating outdoor Temp:50degree or avove					

Power supply:230V,50Hz

The scope of work is also includes supply of following

	i)Necessary refrigerant copper line with nitrile rubber insulation 3mtr				
	ii)Necessary copper cable (FRLS Type;Finolex,Havells,Polycab)	Each	45590	1	45590
29	Installation & commissioning of indoor& outdoor unit of said HI wall split AC m/c after making hole in wall incl.S&F necy fixing arrangements for indoor & outdoor unit,duly painted,laying &making connection of drn pipe,refrigerant pipe,power cable as per EIC.	set	2500	1	7500
30	S&F additional items for length exceeding 3 mtrs for complete installati on,testing & commissioning of above AC machine; i) 3 core 2.5sq.mm PVC insulated FRLS grade copper cable(Finolex) ii)S&F of 5/8" &1/4" extra refrigerant copper pipe with 9mm thick nitrile rubber insulation.(Each mtr of refrigerant pipe will include cost of 1mtr liquid pipe & 1mtr gas pipe of reqd dia) incl fixing arrangements,with wrapping insulation tape complete in all respect as per EIC	RM	750	50	37500
31	S&F PVC drain pipe for drainage connection as per EIC	RM	80	40	3200
32	S&F angle structre/pre fabricated angle with mending works for installati on of split air conditioner as per EIC	set	1800	1	1800
33	Hire & labour charges for shuttering with centering &necy. Staging upto 4mtr using approved stout props &thick hard wood planks of apprpd thickness with reqd.bracing for concrete slab,beams & coloumns,lintels curved or straight.....works (upto roof of G/F) When the height of a particular floor is more than 4mtr the equivalent flr height shall be taken as 4mtr 7 extra for works beyond the initial 4mtr shall be allowed under 12(e) for every 4mtr or part thereof.extra for staging beyond 4mtr in any floor.(H=12mtr,B=2mtr,L=1.5mtr) Vol=36cum	cum	68	36	2448
	(A) TOTAL BASIC COST :				357549
	(B)G.S.T @12% ON TOTAL BASIC COST(A)(Subject to verification of accounts dept)				42906
	TOTAL BASIC COST +GST=(A+B)				400455
	(C) ADD 1% L.W CESS ON (A+B) :				4005
	TOTAL COST :(A+B+C)=Rs(357549+42906+4005)= RS				404460
	(Rs. Four lacs four thousand four hundred sixty only.)				

Name of contractor :

Address :

Amount/Rate quoted by the contractor:

Signature with date & seal :