



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- 98/18-19. Dated 03 / 10 / 2018.
2.	Name of Work	:	Construction of approach road towards toilet of staff Quarters (adjacent to Hazra Law College) including repairing of underground reservoir and development of front corridor of Quarter at 51/2 Hazra Road, University of Calcutta
3.	Estimated Cost put to Tender	:-	178195.62/=
4.	Earnest Money	:-	A sum of Rs8950/- (Rupees eight thousand nine hundred and fifty 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.
5.	Time of completion	:-	45 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	:-	12/10/2018.(up to 2.00 PM)
10.	Date and Time of Tender Opening	:-	After 3:00 PM 12/10/2018

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.

For details enquiry & further correspondence feel free to contact the Engineer C.U. or
The Office of the Engineer at any working day between 11.00 am to 4.00 pm.

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


03/10/18
University Engineer C.U.



UNIVERSITY OF CALCUTTA

N. I.T. no- Eng / CT- 97 /18-19. Dated 03 / 10 / 2018

Name of the work:- Construction of approach road towards toilet of staff Quarters(adjacent to Hazra Law College)
including repairing of underground reservoir and development of front corridor of Quarter at 51/2 Hazra Road, University of Calcutta

Estimated cost Put to Tender:- 178195.62/=

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 /CT- ⁹⁷~~84~~/18-19. Dated 28 / 09 / 2018

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 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 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.

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. 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 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/-
13/10/18
University Engineer

Name of the Agency:

Address :-

SIGNATURE OF THE CONTRACTOR WITH SEAL AND DATE

Specific Price Schedule.

AN ESTIMATE FOR CONSTRUCTION OF APPROACH ROAD TOWARDS TOILETS OF STAFF QUATER (ADJACENT TO HAZRA LAW COLLEGE CAMPUS) INCLUDING REPAIRING OF UNDERGROUND RESERVIOR AND DEVELOPING OF FRONT CORRIDOR OF QUARTER, 51/2 HAZRA ROAD, KOLKATA-19.

Sl.no.	Item no/P no.	Description of work	Unit	Rate	Quantity	Amount(Rs)
1	item-1/page-1	Surface dressing of ground floor in any kind of soil including removing vegetation inequalities not exceeding 15cm depth and disposal of the rubbish within a lead upto 75m as directed. 21.0x3.7+27.0x1.4+6.0x1.50+2x3.0x3.0+5.0x4.50 =156.00sqm	sqm	10	156	1560
2	item-3b/page-227	Brick edging 75 mm wide with picked jhama bricks, laid true to line and level including cutting necessary trench in soil or in hard metallad surface, laying the bricks and repacking the trench(on both side of the edging) with spoils and ramming the same thoroughly complete as per direction./ brick-on- end edging(250 mm) depth. 21.0+27.0+5.0x2+2x3.0= 89.13 mtr.	mtr.	89.13	64	5704.32
3	item-4/page-2	Filling in foundation or plinth by fine sand in layers not exceeding 150 mm as directed and cosolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. 21.0x3.7x0.1+27x1.4x0.1+5x4.5x0.1=13.80cum.	Cum	1048.41	13.8	14468.058
4	Item no. 15a/ page no. 230	Labour for takingout old soling edging including removing debris/ single fiat soling 1.20x(27.0+21.0)+ 5.0x4.5+ 6.0x1.5+ 3.0x3.0x2 =107.10 Sqm.	Sq.M	9.81	107.1	1050.651
5	Item-1/page-226	Brick soling with picked jhama bricks including preparation of bed as necessary with brick joints properly filled in and packed with powdered earth and including necessary cushion of similar material below the soling completes as per direction. single brick flat soling (thickness 75 mm) area. - 156.0x0.50= 78.0 sqm(taking only 50% area of total works with new bricks)	Sqm	339	78	26442
6	Item-2a/page-226	Labour for soling with departmental bricks including carriage of departmental bricks with in a lead of 150 metres p[reparation of bed as necessary with brick joints properly filled in and packed brick joints with local sand or powered earth and including necessary cushion of similar materials below thie soling./ single brick falt soling(thickness 75 mm) area. :156.0x0.50= 78.0 sqm (taking 50% of total area will be covered with oid bricks)	sq.M	35.84	78	2795.52
7	item-8vii/ Page- 92	3MT load bearing capacity round manhole cover provided with two lift hooks fitted with matching frame of size / cover: 450 mm x50 mm	each	1319	2	2638
8	item-1/ page- 23	Cement concrete with graded jhama khoa(30 mm size) excluding shuttering in ground floor and foundation./ (1:3:6 proportion.) Vol. -156.00sqmx0.075 = 11.70Cum.	Cu.M	4572	11.7	53492.4

9	item-33/page- 41	Ordinary cement concrete (mix 1:2:4) with graded stone chips(6mm nominal size) excluding shuttering and reinforcement in any in ground floor.				
		Vol. - $156.00m \times 0.05M + 5.50 \times 0.05 \times 1.5 = 8.21 \text{ cum.}$	CuM	5275	8.21	43307.75
10	item no.1c.ii/page no.2	Supplying, fitting & fixing of G.I pipe including necessary sockets. / 25 mm dia.	mtr.	305	8	2440
11	item no.1.a.ii/page-2	Supplying, fitting & fixing of G.I pipe including necessary sockets. / 15 mm dia.	mtr.	192	3	576
12	Item no. 10/page 11	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.				
		$5.5 \times 0.45 \times 2 + 2.0 \times 0.45 \times 2 = 6.75 \text{ sqm.}$	Sqm	19	6.75	128.25
13	item no.1i/B/page no.189	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface, including throating, nosing and drip course where necessary.(1:6) cement mortar./ 25 m thick plaster.				
		$5.5 \times 0.45 \times 20 + 2.0 \times 0.45 \times 2 + 5.50 \times 1.5 = 15.0 \text{ sqm.}$	Sqm	195	15	2925

A. TOTAL BASIC COST :	157527.949
B. G.S.T. @ 12% ON (A) Subject to Verification of Accounts Deptt.	18903.3539
C. TENTATIVE COST (A+B)	176431.303
D. LABOUR WELFARE CESS @1% ON C.	1764.31303
TOTAL TENTATIVE COST FOR THIS WORK : (C + D)	178195.616

/ Name of Agency

Address of Agency

Amount/Rate Quoted By the Agency

Signature of the Agency with Date:


103/10/18



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NOTICE INVITING TENDER

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1.	N.I.T. No	:	Eng /CT- 99/18-19. Dated 03 /10 / 2018.
2.	Name of Work	:	Civil Renovation of the laboratory of (room no-ES122) Electronic Science Department of at ground floor of M.N.Saha Building of Rajabazar Science College , University of Calcutta.
3.	Estimated Cost put to Tender	:-	496893/-
4.	Earnest Money	:-	A sum of Rs24850/- (Rupees twenty four thousand eight hundred and fifty 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.
5.	Time of completion	:-	45 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	:-	12/10/2018.(up to 2.00 PM)
10.	Date and Time of Tender Opening	:-	After 3:00 PM 12/10/2018

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.

For details enquiry & further correspondence feel free to contact the Engineer C.U. or
The Office of the Engineer at any working day between 11.00 am to 4.00 pm.

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


3/10/18
University Engineer C.U.



UNIVERSITY OF CALCUTTA

N. I.T. no- Eng /CT- 99/18-19. Dated :- 03 /10 / 2018.

Name of the work:- Civil Renovation of the laboratory of (room no-ES122) Electronic Science Department of at ground floor of M.N.Saha Building of Rajabazar Science College ,University of Calcutta.

Estimated cost Put to Tender:- 496893/=

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 /CT- 99/18-19. Dated 03 /10 / 2018.

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 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 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.

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. 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 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/-
21/10/18
University Engineer

Name of the Agency:

Address :-

SIGNATURE OF THE CONTRACTOR WITH SEAL AND DATE

Specific Price Schedule .

**FOR LABORATORY (ROOM NO-ES122) RENOVATION WORK FOR THE
DEPARTMENT OF ELECTRONIC SCIENCE AT GROUND FLOOR OF M.N. SAHA
BLDG. OF RAJABAZAR SCIENCE COLLEGE CAMPUS.**

SL.NO.	DESCRIPTION OF ITEM.	UNIT.	QUANTITY.	RATE. RS. P.	AMOUNT. RS. P.
1. (page303. Item3).	Labour charge for removing furniture, chair, table machine etc. Helper.	Nos.	10.00	245.00	2450.00
2. (page10 Item1b).	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. (6.0x2.5x.25)	Cum.	4.00	497.00	1988.00
3. (page11 Item10).	Stripping off worn out plaster and raking out joints of walls, celings etc. upto any height and in any floor including removing rubbish within a lead of 75m as directed.	Sqm.	10.00	19.00	190.00
4. (page189 Item1).	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] With 1:6 cement mortar 25 mm thick plaster	Sqm.	10.00	199.00	1990.00
5. (page114 Item1).	Wood work in posts, post plates , rafter, batten , truss member, purlin, etc. fitted and fixed complete (excluding the cost of bolts, paints, but including the cost of nails, screw etc.) Sal : Malayasian	Cum.	0.075	82283.00	6171.00
6. (page173 Item2).	Supplying, fitting and fixing boiling water proof ply conforming to IS: 710-1977 bonded with phenol formaldehyde synthetic resin conforming to IS: 848- 1974 of approved make and brand fitted and fixed as per design as per approval and direction of Engineer-in-Charge. [excluding the cost of supporting frame work and teak wood batten/Lipping]				

	12 mm thick. (tentative--7x0.6x3)	Sqm.	13.00	1709.00	22217.00
7. (page10 Item3).	Dismantling R.C. floor, roof, beams etc. including cutting rods and removing rubbish as directed within a lead of 75 m. including stacking of steel bar. (approx--5.0x.3x.3)	Cum.	0.50	1956.00	978.00
8. (page155 Item43).	Taking out existing partition/ceiling of particle board, masonite board, ply board, soft board etc. of any thickness and refixing same in new position with necessary clamps making holes in walls, floor, roof and mending damages if any.[concrete plaster will be paid separately. (tentative 2.5x1.5=3.75 3.3x2.2=7.04 1.4x1.9=2.66)	Sqm.	15.00	55.00	825.00
9. (page-41 Item-2)	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 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 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. 450 mm X 300 mm size	each	1.00	1979.00	1979.00
10. (page 233 Item1).	Supplying profiles of required section made of Aluminium Alloy Extrusions conforming to IS: 732-1983 and IS: 1285- 1975; Anodized (with required film thickness and specified colour / natural) matt finished conforming to IS: 1868- 1983 for fabrication of composit door, sliding & casement windows, partitions, formed of basic sections of any ISI embossed / certified make and brand as per direction of Engineer - In charge. In 10-12 Micron thickness Anodizing film Natural white Fixed partitions.				

	(Unsupported length of vertical member upto 1.5 mtr. Height of both ends of vertical member restrained but panels within 0.9 sq.m.) Bottom, top and side member Inter mediate member Glazing clip.	Mtr. Mtr. Mtr.	75.00 250.00 400.00	462.00 480.00 46.00	34650.00 120000.00 18400.00
11. (page239 Item2).	Labour charge for fabrication and installation of composite door, window, partitions made from oncrete extruded alloy aluminium sections for the following units:- Glazed aluminium sliding windows made of extruded and oncrete alloy aluminium sections, fabrications, including cutting to proper shape and size, drilling and aligning of window shutter frame fitted with in built locking arrangements, sliding rollers and other necessary fittings, fixture, adhesives and joineries along with extruded oncrete or EPDM gasketing in between window frame and masonry work (walls, column, beam.lintels etc.) as well as between glass and shutter frame for fixing glass and Polysulphide sealant and in between shutter and window frame where necessary including cutting to requisite size and fixing glass as per drawing, specification and direction of EIC. The rate includes the hire charge of all tools and plants, including all incidental charges, adhesive, joineries such as screw, cleat angle etc. but excluding the cost of extruded aluminium sections, glass, neoprene / EPDM gasket, locking arrangement and rollers. Fixed glazing (tentative15.5m x 3.6m=55.80sqm. 4.0m x 3.6m=14.40sqm).	Sqm.	72.00	768.00	55296.00
12. (page243 Item9).	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987. 5 mm thick colour/ tinted /smoke glass	Sqm.	70.00	60.00	4200.00
13. (page244 Item14).	Filling the gap in between aluminium frame & adjacent RCC / Brick/ Stone work by providing weather silicon				

	sealant over 6mm dia backer rod of approved quality as per architectural drawings and direction of Engineer-in-Charge complete. Upto 5 mm depth and 5 mm width	Mtr.	60.00	72.00	4320.00
14. (page76 Item1).	Supplying & laying of approved brand of scratch proof, semi flexible P.V.C. blended homogeneous marble Vinyl flooring in tiles conforming to IS:3461, fixing with synthetic acrylic adhesive after preparing the floor, leveling & smoothening when necessary with suitable putty, as per the design & instruction of the Engineer-in-charge. 2 mm thick . (tentative 6.1x4.3 3.6x2.44).	Sqm.	35.00	578.00	20230.00
15. (page200 Item1).	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering. (17.07m x 3.6m=61.45sqm. 4x1.50m x 1.2m x 1.6=11.52sqm. 4x1.5m x 1.2m=7.2sqm. 2x 9.14m x 7.6m=138.93sqm Joist,pipe etc=20 sqm).	Sqm.	240.00	38.00	9120.00
16. (page200 Item2)	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary. two coats (17.07m x 3.6m=61.45sqm. 4x1.50m x 1.2m x 1.6=11.52sqm. 4x1.5m x 1.2m=7.2sqm. 9.14m x 7.6m=69.46sqm Joist,pipe etc=20 sqm).	Sqm.	100.00	79.00	7900.00
17. (page 168 Item 23d)	Providing and fixing of false ceiling with powder coated exposed G.I. grid suspension system (E-Grid U-1520 or equivalent load carrying capacity with mid span deflection not exceeding 1/360 span with hanger spacing of 1200mm c/c) consisting of Main Runner 3600 mm long, Cross Tee 1200 mm / 600 mm long and Wall Angle. The Wall Angle shall be fixed on PVC Dash Fasteners on the				

	perimeter of the wall by steel screws with distance 300mm c/c. The Main Runners to be placed @ 1200 mm. The Cross Tee 1200mm will be inserted in the pre-cut slots of Main Runner at a regular interval of 600 mm to form a modular grid of 1200mm X 600mm. Additional Cross Tees of 600 mm shall 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 from purlins / soffit. 15mm thick OW Acoustic Board (Mineral Fiber Acoustic Ceiling Tiles) of approved pattern and size 595mm X 595mm with NRC value > 0.65 should be placed in the Grid module to form a False Ceiling. All complete as per the drawing & directions of Engineer-in-charge. In ground floor. A) Acoustic False Ceiling (with 15mm thick OW Acoustic Board and E-Grid U)	Sqm.	70.00	1357.00	94990.00
18. (page195 Item7).	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 the EIC (tentative 15.0m x 4.65m=69.75sqm. 7.60m x 7.30 = 55.48sqm.).	Sqm.	130.00	33.70	4381.00
19. (page201 Item4).	Applying Acrylic Emulsion Paint of approved make and brand on walls and ceiling including sand papering in intermediate coats including putty (to be done under specific instruction of Superintending Engineer) . Luxury quality. (15.0m x 4.65m=69.75sqm.)	Sqm.	70.00	70.00	4900.00
20. (page64 Item35).	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 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 required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. (tentative 2.50m x 2.0m , 1.5x1.5).	Sqm.	8.00	746.00	5968.00
21. (p-24 I-4)	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes.	cum	0.30	3886.00	1165.80
22. (page 143 Item 23).	Hydraulic door closer of approved quality as per I.S.I. standard fitted and fixed complete. Heavy type (I.S.I. size 3)	Nos.	3.00	1665.00	4995.00
23. (P-179 I-14)	Supplying fitting, fixing decorative lamination conforming to IS: 2046 : 1995 as per approved make, brand, finish and thickness with fitting, fixing the same on Particle/MDF / Ply Boards with recommended / approved adhesive with proper clipping the sides for better attachment as per direction of Engineer-in-charge. The rate includes the cost of labour, adhesive and all incidental charges thereof. In ground floor Thickness of laminate 1.5mm (3.6x3.6)	sqm	13.00	802.00	10426.00

Estimated cost..... RS439729.00

Add GST @12%.....Rs.52767.00

Add labour cess 1%.....Rs.4397.00

Total Estimated cost-----RS 496893.00

Name of Agency

Address of Agency

Amount/Rate Quoted By the Agency

Signature of the Agency with Date:


21/10/18
UNIVERSITY ENGINEER (C.U)