

SANITARY SECTION IIT KHARAGPUR

No. : IIT/SAN/TEN/2018-19/01

Date: 02.04.2018

NOTICE INVITING TENDER

Last Date for submission of Tenders: 08th May 2018 upto 3.00 P.M.

Date of Tender opening: 08th May 2018 at 3:30 P.M.

The Sr.Executive Engineer, Sanitary Section IIT Kharagpur, invites the sealed tender in two bids system from eligible Agency of the Indian Institute of Technology, Kharagpur / CPWD/PWD/MES for the following works.

| Sl.No | Name of the Work | Estimated Cost (Rs) | Earnest Money Deposit (Rs) | Time Allowed |
|-------|--|---------------------|----------------------------|--------------|
| 1. | Renewing of Indian Type W.C., European or Anglo Indian commode HCl pipes at IIT Kharagpur. | 20,35,679.00 | 40,714.00 | 12 Months |
| 2. | Annual cleaning works of sewerage system at IIT Kharagpur. | 20,36,572.00 | 40,731.00 | 12 Months |
| 3. | Repairing and new construction of manholes and SW lines i/c misc. works connected with sewerage system at IIT Kharagpur. | 12,24,697.00 | 24,494.00 | 12 Months |

Scope of work :- Please refer the annexure 'A'

Eligibility Criteria

The bidder should have executed three similar sanitary related works each of value 40% of the estimated cost or two works each of value 60% of the estimated cost or one work of value 80% of the estimated cost in the last seven years ending last day of the month previous to the one in which the tenders are invited credential in form of completion certificate as well as final bill copy to be enclosed.

The offer/bids to be submitted in two bids system i.e.1.Technical bid, & 2.Commercial bid. The technical bid must consists of all the details as specified above, as in a eligible criteria, the technical bid & commercial bid must be in separate envelopes duly sealed and marked as "Technical bid" & "Commercial bid" respectively.

Sealed Technical bid and commercial bid are to be put in a big size envelope. "Tender For 1) Renewing of Indian Type W.C., European or Anglo Indian commode HCl pipes at IIT Kharagpur. 2) Annual cleaning works of sewerage system at IIT Kharagpur. 3) Repairing and new construction of manholes and SW lines i/c misc. works connected with sewerage system at IIT Kharagpur is to be written on the left side of this envelope. The technical bid envelop should contains the Cost of tender Paper for each work is Rs. 1000.00 [Non refundable], (in the form of DD drawn in favour of IIT Kharagpur, payable at Kharagpur) & the EMD of 1) Rs. 40,714.00 2) Rs.40,731.00 3) Rs.24494.00 respectively. (in the form of DD drawn in favour of IIT Kharagpur, payable at Kharagpur) also in the same envelope.

The tenderer shall visit & inspect the site & obtain all information on his own responsibility & at own cost, which may be necessary for the purpose of quoting & submitting the tender. No excuse or ignorance as to site conditions & local information shall be accepted after awarding of the contract. All costs, charges & expenses that may be incurred in connection with the preparation of his tender shall be borne by him & the Institute accepts no liability whatsoever therefore.

If there is any clarification required, the tenderer shall submit the queries in writing 03 days before the last date & time of submission of the tender, to the Sr. Executive Engineer(W.W & Sanitary Section), IIT, Kharagpur.

The bid shall remain valid for a period of 90 days from the date of opening of the bid. If before expiry of the validity period or issue of work order, whichever is earlier, the bidder amends/modifies/withdraws his bid, making unacceptable to the institute, then the Earnest Money Deposit shall be liable to forfeiture at the option of the Institute.

The Rates quoted by the tenderer should be inclusive of all taxes & duties, freight, cost for loading & unloading etc. & must hold good till the completion of work & shall not be subjected to escalation due to increase in local market rates of materials. No claim on this account what so ever shall be entertained at any stage including the extended period, if any. The format of price bid is enclosed in annexure 'B'.

Each page of bid document shall have to be signed & stamped by the Bidder/ Authorized Signatory before submission. The bidders have to submit the tender documents & correspondences accompanying the tender with proper signature & stamp on each page along with the bid. The person/ officer signing the tender/bid should be delegated with an appropriate Power of Attorney (duly endorsed by a Notary Public) by the owner / Proprietor/ Partner/ CEO/ MD/ Director of the company to sign such documents.

The Intending bidders will have to produce documentary evidence in original in support of their credentials before the competent authority whenever demanded for verification. If any information furnished by the bidder found as false/fabricated then his bid will be rejected & treated as cancelled, even if the after signing of contract also it would lead to termination of contract at any stage besides liabilities towards prosecution under appropriate law. In such cases the bidder/ tenderer will be debarred from participation in future tendering process.

The sealed envelope containing Commercial Bid of the Tenderers will not be opened if their Technical bids are found unacceptable by the Committee.

The tender papers can be submitted on all working days (except holidays) during office hours either by Speed Post/Registered Post addressed to the Sr. Executive Engineer (W.W & Sanitary Section), IIT,Kharagpur, 721302 or by dropping the tender papers in the box to be kept in the office of the Executive Engineer (W.W & Sanitary Section), IIT, Kharagpur, 721302, Latest by 3:00 PM on 08.05.2018. In the event of this day being declared as a holiday, the tender papers may be submitted up to the afore-mentioned time on the next working day.

For all these details as well as corrigendum please visit Institute's website www.iitkgp.ac.in(Link: Tenders) as well as CPP Portal regularly.

The Institute reserves the right to accept or reject the whole or a part of the lowest offer without showing any reason.

Sr. Executive Engineer
Water Works and Sanitary Section
On behalf of Indian Institute of Technology Kharagpur

**SANITARY SECTION
IIT KHARAGPUR**

TENDER PAPER ISSUED TO:

NAME OF THE WORK: Renewing Indian W.C., European or Anglo Indian type Commode Changing one type into another, including some miscellaneous works in connection with Sewerage pipes etc, at IIT Kharagpur.

Completion Time : 12 Months

Submission of Tender Paper: 08th May 2018 upto 3:00 P.M.

SANITARY SECTION IIT KHARAGPUR

Name of Work: Renewing Indian W.C., European or Anglo Indian type Commode Changing one type into another, including some miscellaneous works in connection with Sewerage pipes etc, at IIT Kharagpur

| Sl No | Description Of Item | Unit | Qty | Rate (Rs) | Amount (Rs) |
|-------|---|------|--------|-----------|-------------|
| 1 | Dismantling Indian W.C. including taking out base concrete as necessary. | Nos | 100.00 | | |
| 2 | Dismantling E.P. or Anglo-Indian W.C. | Nos | 100.00 | | |
| 3 | Dismantling Orissa pattern W.C. Including taking out of base concrete, if necessary, complete. | Nos | 40.00 | | |
| 4 | Dismantling urinal. | Nos | 50.00 | | |
| 5 | Dismantling flush pipe of water closet. | Nos | 100.00 | | |
| 6 | Refixing flush pipe of water closet. | Nos | 100.00 | | |
| 7 | Cleaning I.P.W.C. with acid | Nos | 50.00 | | |
| 8 | Cleaning E.P. or Anglo-Indian W.C. with acid | Nos | 50.00 | | |
| 9 | Cleaning urinal with channel with acid. | Nos | 50.00 | | |
| 10 | Dismantling Foot rest for Indian pattern water closet. | Pair | 50.00 | | |
| 11 | Supplying, fitting and fixing E.W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. | | | | |
| | a) With 'P' trap | Nos | 50.00 | | |
| | (b) With 'S' trap | Nos | 50.00 | | |
| 12 | Supplying, fitting and fixing Anglo-Indian W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. | | | | |
| | (a) With 'P' trap (with vent) | Nos | 25.00 | | |
| | (a) With 'S' trap (with vent) | Nos | 25.00 | | |
| 13 | Supplying, fitting and fixing Orissa pattern water closet in white glazed vitreous chinaware of approved make in position complete excluding 'P' or 'S' trap (excluding cost of concrete for fixing). | | | | |
| | (i) 580 mm X 440 mm | | 25.00 | | |
| 14 | Supplying, fitting and fixing Flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position with brass screws on 75 mm X 75 mm X 75 mm wooden blocks complete. | | | | |
| | (i) 635 mm X 395 mm X 420 mm | | 50.00 | | |
| | (il) 470 mm X 280 mm X 340 mm | | 20.00 | | |
| 15 | Supplying, fitting and fixing porcelain Foot rest for water closet of size 275 mm X 125 mm | Pair | 10.00 | | |
| 16 | Supplying, fitting and fixing Closet seat of approved make with lid and C.P. hinges rubber buffer and brass screws complete. | | | | |
| | a) E.W.C | | | | |

| | | | | | |
|----|--|------|--------|--|--|
| | (ii) Plastic(hollow type) White | Each | 500.00 | | |
| | b) Anglo Indian | | | | |
| | (ii) Plastic(hollow type) White | Each | 135.00 | | |
| 17 | Supplying, fitting and fixing 32 mm dia. Polythene Flush pipe of approved make with necessary fixing materials and clamps complete. | Each | 115.00 | | |
| 18 | Supplying, fitting & fixing cast iron soil pipe only conforming to I.S. 3989 /2009 and I.S. 1729/2002 with bobbins, nails etc. Including making holes in the wall, floor etc. and cutting trenches etc. in any floor through masonry concrete, if necessary, and mending good damages with necessary jointing materials and painting two coats to the exposed surface with approved paint complete. (Measurement will be made along the center line of the total pipe line in fitted condition including specials, payment for specials & Painting will however be paid seperately) with lead caulked joints 100 mm dia. | Mtr. | 50.00 | | |
| 19 | Supplying, fitting & fixing Cast iron single branch equal with door conforming to I.S. 1729 /2002 including joining and painting two coats to the exposed surface with approved paint complete. (Payment of panting will however be paid separately). With lead caulked joints 100 mm dia | Each | 55.00 | | |
| 20 | Supplying, fitting & fixing H.C.I. bend without door conforming to I.S.S. including jointing complete and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid separately).with lead caulked joints 100 mm dia. | Each | 58.00 | | |
| 21 | Supplying, fitting & fixing H.C.I. bend with door conforming to I.S.S. including jointing complete and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid separately)with lead caulked joints 100 mm dia | Nos | 50.00 | | |
| 22 | Supplying, fitting & fixing approved patent vent cowl I.C.I. conforming to I.S.S and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid separately).100 mm dia | Each | 50.00 | | |
| 23 | Supplying, fitting & fixing Aluminium domical grating. | | | | |
| | i) 150 mm | Nos | 230.00 | | |
| | ii) 100 mm | Nos | 230.00 | | |
| 24 | Supplying, fitting & fixing Cast iron 'P' or 'S' trap conforming to I.S. 3989 / 1970 and 1729 / 1964 including lead caulked joints and painting two coats to the exposed surface. (Painting will however be paid separately). | | | | |
| | a) 'P' Trap 100 mm | Nos | 115.00 | | |
| | b) 'S' Trap 100 mm | Nos | 115.00 | | |

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|----|---|-------|--------|--|--|
| 25 | Supplying, fitting and fixing C.I. round grating. | | | | |
| | (i) 100 mm | Nos | 115.00 | | |
| | (ii) 150 mm | Nos | 115.00 | | |
| 26 | Supplying, fitting and fixing C.I. square jalli. | | | | |
| | (a) 100 mm | Nos | 115.00 | | |
| | (b) 150 mm | Nos | 115.00 | | |
| 27 | Supply of UPVC pipes (B Type) conforming to IS – 13592-1992 Single socketed 1.8 mtr length, 110 mm dia | Mtr. | 200.00 | | |
| 28 | Supply of UPVC fittings (B Type) conforming to IS – 13592-1992 | | | | |
| | a) 110mm plain Tee | Each | 55.00 | | |
| | b) 110 mm door Tee | Each | 55.00 | | |
| | c) 110 mm Bend 87.5 | Each | 55.00 | | |
| | d) 110 mm Door bend (T.S) | Each | 55.00 | | |
| | e) 110mm Vent Cowl | Each | 55.00 | | |
| | f) 110mm Pipe Clip | Each | 230.00 | | |
| 29 | Renewing door of H.C.I. bend or junction with new bolts and nuts including taking out. | Set | 230.00 | | |
| 30 | Dismantling H.C.I. pipe with fittings including melting lead caulked joints. 100 mm dia | Mtr. | 231.00 | | |
| 31 | Refixing H.C.I. pipe with fittings including lead caulked joints (with the old molten lead) 100mm dia | Each | 176.00 | | |
| 32 | Cutting hole through wall, roof and mending good all damages. | Each | 115.00 | | |
| 33 | Supplying, fitting and fixing approved brand 32 mm dia. P.V. C. waste pipe, with PVC coupling at one end fitted with necessary clamps. 600 mm long. | Each | 115.00 | | |
| 34 | 125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor. | Sq.m. | 10.00 | | |
| 35 | 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. | Cu.M. | 6.00 | | |
| 36 | Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75 kg/Sq.M all complete including all materials and labour. 35 mm. thick. | Sq.M | 20.00 | | |
| 37 | Brick work with 1st class bricks in cement mortar (1:4), In foundation and plinth. | Cu.M. | 20.00 | | |

| | | | | | |
|-----------|--|-------|--------|--|--|
| 38 | 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 1:4 cement motor. | | | | |
| a | 15 mm thick plaster | Sq.M. | 20.00 | | |
| b | 20 mm thick plaster | Sq.M. | 10.00 | | |
| 39 | Neat cement punning about 1.5 mm. thick in wall, dado, window, sills, floor, drain etc.NOTE : Cement 0.152 cu.m. per 100 sq.m | Sq.M | 30.00 | | |
| 40 | Cleaning of vacant quarters' floor, toilet,ceiling doors, windows, common area including sanitary and plumbing fixtures with using of broom, brush, Mop, detergent, phenyl, acid etc in all respect as per instruction of Engineer incharge. | Each | 100.00 | | |
| Total Rs. | | | | | |

**SANITARY SECTION
IIT KHARAGPUR**

TENDER PAPER ISSUED TO:

NAME OF THE WORK: Annual cleaning works of sewerage system at IIT Kharagpur.

Completion Time : 12 Months

Submission of Tender Paper: 08th May 2018 upto 3:00 P.M.

**SANITARY SECTION
IIT KHARAGPUR**

Name of The work:-Annual cleaning works of sewerage system at IIT Kharagpur.

| Sl No | Description of item | Unit | Quantity | Rate (Rs) | Amount (Rs) |
|-------|--|------|----------|-----------|-------------|
| 1 | Removing chokage (Full or partial) of underground soil or sewer pipe of any dia at any depth with the help of split bamboo or any other means as per the directions of the site incharge, this item include cost of labour, tools and plats etc. complete. | Mtr. | 85000.00 | | |
| 2 | Removing chokage of filled up yard gully or pit i.e, chamber adjacent to the quarters, by cleaning, removing and dispsosing off the sludge or silt, including removing of the gratings, opening of covers and pressing them into original position after completion of the work and disposing of the sludge as directed. | Nos | 1200.00 | | |
| 3 | Cleaning and removing of sludge or slit or any other materials such as bricks, bats, ballons and the like from the inspection pits or the manholes of different sites and directed after proper disinfection. | Nos | 4830.00 | | |
| | | | | Total Rs. | |

SANITARY SECTION

IIT KHARAGPUR

TENDER PAPER ISSUED TO:

NAME OF THE WORK: Repairing and new construction of manholes and SW lines i/c misc. works connected with sewerage system at IIT Kharagpur..

Completion Time : 12 Months

Submission of Tender Paper: 08th May 2018 upto 3:00 P.M.

SANITARY SECTION IIT KHARAGPUR

Repairing and new construction of manholes and SW lines i/c misc. works connected with sewerage system at IIT Kharagpur

| Sl.No | Description of Item | Unit | Quantity | Rate (Rs.) | Amount (Rs.) |
|-------|---|------|----------|------------|--------------|
| 1 | Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. Depth of excavation not exceeding 1.5 m. | Cu.M | 1000.00 | | |
| 2 | Filling in foundation or plinth by fine sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (Payment to be made on measurement of finished quantity) | Cu.M | 120.00 | | |
| 3 | Cement concrete with graded stone ballast (40 mm size excluding shuttering), In ground floor, [Pakur Variety], 1:3:6 proportion. | Cu.M | 20.00 | | |
| 4 | Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work). With earth obtained from excavation of foundation. | Cu.M | 350.00 | | |
| 5 | Supplying, fitting and fixing UPVC, pipes class III conforming to IS : 4985-2000. | | | | |
| | (a) 110 mm dia | Mtr. | 200.00 | | |
| | (b) 160 mm dia | Mtr. | 200.00 | | |
| | (c) 200 mm dia | Mtr. | 50.00 | | |
| | (d) 250 mm dia | Mtr. | 50.00 | | |
| 6 | Brick work with 1st class bricks in cement mortar (1:4), In foundation and plinth. | Cu.M | 20.00 | | |
| 7 | 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 1:4 cement mortar : | | | | |
| | (a) 20 mm thick plaster | Sq.M | 150.00 | | |
| | (b) 15 mm thick plaster | Sq.M | 150.00 | | |

| | | | | | |
|----|--|----------|---------|--|--|
| 8 | Neat cement punning about 1.5 mm. thick in wall, dado, window, sills, floor, drain etc. NOTE : Cement 0.152 cu.m. per 100 sq.m. | Sq.M | 100.00 | | |
| 9 | Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75 kg/Sq.M all complete including all materials and labour. In ground floor, 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement. 35 mm thick. | Sq.M | 15.00 | | |
| 10 | 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. Pakur Variety | Cu.M | 1.00 | | |
| 11 | Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. Pakur Variety. | Cu.M | 0.50 | | |
| 12 | Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction. For works in foundation, basement and upto roof of ground floor/upto 4 m, Tor steel/Mild Steel. SAIL/TATA/RINL | Kg | 50.00 | | |
| 13 | Removing chokage of Water closet | Nos | 2600.00 | | |
| 14 | Supplying adult male labourers physically & mentally fit as and when required. | Nos | 300.00 | | |
| | | Total Rs | | | |