

**INSTITUTE WORKS DEPARTMENT****भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान कोलकाता****INDIAN INSTITUTE OF SCIENCE EDUCATION & RESEARCH (IISER) KOLKATA**
Mohanpur Campus, Mohanpur – 741246**NOTICE INVITING TENDER****NIT No. :** IISER-K/Civil/26-27/24 Date. 07.10.2026**Name of Work:** Overhauling, servicing and change of media of water treatment plants at swimming pool of IISER Kolkata.**Estimated Cost put to Tender:** Rs. 4,23,206/-

NOTICE INVITING TENDER



INDEX

Name of Work: Overhauling, servicing and change of media of water treatment plants at swimming pool of IISER Kolkata.

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Certified that this NIT amounting to **Rs. 4,23,206/-** (Rupees Four lakh twenty three thousand two hundred six only) contains **1 to 57** pages only in chronological order.

Asstt. Executive Engineer(C)
IWD, IISER Kolkata

**INSTITUTE WORKS DEPARTMENT
NOTICE INVITING TENDERS**

The Assistant Executive Engineer (Civil), IWD, IISER Kolkata, on behalf of the Director of IISER Kolkata, invites percentage rate bids from eligible contractors presently working in Government departments for the following work:

1. NIT No. : **IISER-K/Civil/26-27/24, Date. 07.10.2026**
2. Name of work: **Overhauling, servicing and change of media of water treatment plants at swimming pool of IISER Kolkata.**
3. Estimated Cost: **Rs. 4,23,206 /-,**
4. Earnest Money: **Rs. 8,500/-**
5. Period of completion: **45 (Forty five) days,**
6. Last time and date of submission of bid: Up to 16:00 on **16.10.2026,**

The bid forms and other details can be obtained from the Institute website <http://www.iiserkol.ac.in/announcements/tenders>. The tender documents in complete shape should be submitted to the **Despatch Section, Administrative cum Academic Complex, IISER Kolkata, Mohanpur – 741246** along with your comparative and justified rate (inclusive of all taxes) as per the schedule of items including all relevant documents as specified in the NIT **addressed to the undersigned super scribing name of work** within **16.00 hrs of 16.10.2026** positively.

Date and Schedule

SL No.	Particular	Date	Time
1	Publishing date	07.10.2026	After 16.00 Hrs.
2	Document download Start Date	08.10.2026	After 10.00 Hrs.
3	Document download End Date	16.10.2026	Up to 16.00 Hrs.
4	Bid Submission Start Date	08.10.2026	After 10.00 Hrs.
5	Bid Submission End Date	16.10.2026	Up to 16.00 Hrs.
6	Bid Opening Date	16.10.2026	At 17.00 Hrs.

NOTICE INVITING TENDER



INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING FORMING PART OF NIT AND TO BE POSTED ON WEBSITE

The Assistant Executive Engineer (Civil), IWD, IISER Kolkata, on behalf of the Director of IISER Kolkata, invites online percentage rate bids from eligible contractors presently working in Government departments for the following work:

S. No.	NIT No.	Name of Work & Location	Estimated Cost put to Bid	Earnest Money	Period of Completion	Last Date & Time of Submission of Bid, Copy of Receipt of deposition of original EMD and other documents as specified in the NIT	Time & date of opening of Bid
1	2	3	4	5	6	7	8
1	NIT No. : IISER-K/Civil/25-26/24, Dt. 07.10.2026	Overhauling, servicing and change of media of water treatment plants at swimming pool of IISER Kolkata.	Rs. 4,23,206/-	Rs. 8,500/-	45 (Forty five) days	Up to 16:00 PM on 16.10.2026	17:00 AM on 16.10.2026

2. Contractors who fulfil the following requirements shall be eligible to apply.

The bidder should have satisfactorily completed the works as mentioned below during last 7 years ending last day of the month previous to the one in which tender is invited. The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to previous day of last date of submission of bids.

Three similar works each costing not less than **40% of Tender value**,
or
Two similar works each costing not less than **60% of Tender value**,
or
One similar work costing not less than **80% of Tender value**.

Similar work shall mean: Overhauling, servicing, providing and installation of water treatment plant.

3. The intending bidder must read the terms and conditions of **CPWD-6** carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
4. This information and instructions for bidders shall form part of bid document.
5. The bidder should have a minimum solvency from commercial bank for 30% of the tendered

value (Certified by his Bankers in **Form B**). **Solvency certificate should be in favour of Asstt. Executive Engineer (Civil), IWD, IISER Kolkata** and not issued before the six months from the last date of submission of bid. Scan copy of original to be uploaded.

6. The bid document consisting of ~~Plans~~, Specifications, Schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from Institute website <http://www.iiserkol.ac.in/announcements/tenders>.
7. Bidder should deposit the cost of tender paper (Non-Refundable) through NEFT/RTGS separately in the Bank Account number given below and obtain acknowledgment of the transactions. A self-signed copy of these acknowledgments should be submitted with the Bid.
8. Certificate of Financial Turn Over: At the time of submission of bid, bidder may upload affidavit/certificate from CA (with Unique Documents Identification Number (UDIN)) mentioning Financial Turn Over for the period as specified in the bid document and further details if required may be asked from the contractor after opening of technical bids. There is no need to upload entire voluminous balance sheet.
9. Contractor can upload documents in the form of **PDF** format.
10. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
11. If any information furnished by the applicant is found incorrect at a later stage, he shall be liable to be debarred from tendering/taking up of works in IISER Kolkata. The department reserves the right to verify the particulars furnished by the applicant independently.
12. Any dispute arising out of this tender ~~including dispute related to encashment of any Bank Guarantee/ FDR etc.~~ shall be subject to the jurisdiction of courts of Kolkata (**West Bengal**) only.
13. Earnest Money through ~~NEFT/RTGS Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed)~~ from any of the Commercial Banks (drawn in favour of "**IISER KOLKATA**" payable at **Kolkata**) ~~should be deposited in the Bank Account number given below. A self-signed copy of the Acknowledgement receipt shall be scanned and uploaded on the e-Tendering website within the period of bid submission.~~ The original EMD should be deposited either in the office of Assistant Executive Engineer (Civil), IWD, IISER Kolkata inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission alongwith the tender documents. The EMD receiving Assistant Executive Engineer (Civil) ~~(including NIT issuing EE/AE)~~ shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting AEE (Civil) in the NIT.

Earnest money given by all the tenderers except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/three bid system, earnest money deposit of bidders unsuccessful during technical bid evaluation etc. should be returned within 30 days of declaration of result of technical bid evaluation.

Copy of ~~Enlistment Order and~~ certificate of work experience and other documents as specified in the notice inviting e-tender shall be scanned and uploaded on the e-Tendering website within the period of bid submission. ~~However, certified copy of all the scanned and uploaded~~

NOTICE INVITING TENDER



~~documents as specified in e tender notice shall have to be submitted by the lowest bidder within a week physically in the office of tender opening authority. Online bid documents submitted by intending bidders shall be opened only of those bidders, whose original EMD deposited and other documents scanned and uploaded are found in order~~

NAME OF THE ACCOUNT HOLDER: IISER KOLKATA

ACCOUNT NUMBER: 089301000011530

IFS CODE OF THE BRANCH: IOBA0000893

BANK NAME: INDIAN OVERSEAS BANK, SALLAKE CITY BRANCH

NOTICE INVITING TENDER



List of Documents to be scanned and submitted within the period of bid submission:

1.	A self-signed copy of the acknowledgment against the deposition of EMD separately as per para 13 & 14 of page no. 5 & 6.
2.	Enlistment Order of the Contractor.
3.	A self-attested photo copy of ESI and PF registration certificate.
4.	A self-attested photo copy of Trade license
5.	A self-attested photo copy of IT Return for the last three financial years with profit and loss account statement. Photo copy of Balance sheet duly certified and audited by the Chartered Accountant
6.	Bank Solvency (Form B) certificate amounting to 30% of the tendered value issued during last 6 (six) months from the date of NIT.
7.	Integrity Pact duly filled and signed on Rs.100/- Non-Judicial Stamp Paper
8.	A self-attested photo copy of Credential certificate as mentioned in the item No. 3
9.	Financial Statement (Form A) duly signed and sealed by CA
10.	List of completed works in Form-C
11.	Performance report of completed works (works mentioned in Form-C) in Form-D
12.	Affidavit for non-blacklisting on Rs.100/- Non-Judicial Stamp Paper as per Form K
13.	Electrical Contractor's License. However, intending bidders not in possession of valid Electrical Contractor's License, shall give an undertaking that they shall associate an Agency, having valid Electrical Contractor's License for execution of Electrical Works, if they become successful. (If required)
14.	GST Registration Certificate of State in which work is to be taken up.
15.	PAN Card of the Contractor.
16.	Structure & Organisation (Form E)
17.	Affidavit (Form I)

Asstt. Executive Engineer (C)
IWD, IISER Kolkata

CPWD-6 FOR e-Tendering

1. The Assistant Executive Engineer (Civil), IWD, IISER Kolkata, on behalf of the Director of IISER Kolkata, invites percentage rate bids from eligible contractors presently working in Government departments for the following work:

Name of work: Overhauling, servicing and change of media of water treatment plants at swimming pool of IISER Kolkata.

Estimated Cost: **Rs. 4,23,206/-**,

Earnest Money: **Rs. 8,500/-**

~~The enlistment of the contractors should be valid on the last date of submission of bids.~~

~~In case the last date of submission of bid is extended, the enlistment of contractor should be valid on the original date of submission of bids.~~

- 1.1 The work is estimated to cost **Rs. 4,23,206/-**. This estimate, however, is given merely as a rough guide.
- ~~1.1.1 The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the bids. He will also nominate Division which will deal with all matters relating to the invitation of Bids. For Composite bid, besides indicating the combined estimated cost put to bid, should clearly indicate the estimated cost of each component separately. The eligibility of bidders will correspond to the combined estimated cost of different components put to bid.~~
- 1.2.1 Intending tenderer is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:-

Criteria of eligibility for submission of bid documents for the interested contractors:

The bidder should have satisfactorily completed the works as mentioned below during last 7 years ending last day of the month previous to the one in which tender is invited. The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to previous day of last date of submission of bids.

Three similar works each costing not less than **40% of Tender value**,

or

Two similar works each costing not less than **60% of Tender value**,

or

One similar work costing not less than **80% of Tender value**.

Similar work shall mean: Overhauling, servicing, providing and installation of water treatment plant.

2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7 (or other Standard Form as mentioned) which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.

NOTICE INVITING TENDER



3. The time allowed for carrying of the work will be **45 (forty five) days** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. (i) The site for the work is available
Or
~~The site for the work shall be made available in parts as specified below:-~~
.....
.....
(iii) ~~The architectural and structural drawing for the work is available Or~~
~~The architectural and structural drawings shall be made available in phased manner, as per requirement of the same as per approved programme of completion submitted by the contractor after award of work.~~
5. The bid documents consisting of ~~plans~~, specification, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on Institute website <http://www.iiserkol.ac.in/announcements/tenders> free of cost.
6. ~~After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.~~
7. ~~While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.~~
8. ~~When tenders are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the tender submitted earlier shall become invalid.~~
9. Earnest Money through ~~NEFT/RTGS Insurance Surety Bonds~~, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks (drawn in favour of "**IISER KOLKATA**" payable at **Kolkata**) should be deposited in the Bank Account number given below. A self-signed copy of the Acknowledgement receipt shall be scanned and uploaded on the e-Tendering website within the period of bid submission. The original EMD should be deposited either in the office of Assistant Executive Engineer (Civil), IWD, IISER Kolkata inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission alongwith the tender documents. The EMD receiving Assistant Executive Engineer (Civil) (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting AEE (Civil) in the NIT.

Earnest money given by all the tenderers except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/three bid system, earnest money deposit of bidders unsuccessful during technical bid evaluation etc. should be returned within 30 days of declaration of result of technical bid evaluation.

Copy of Enlistment Order and certificate of work experience and other documents as specified in the notice inviting e-tender shall be scanned and uploaded on the e-Tendering website within the period of bid submission. ~~However, certified copy of all the scanned and uploaded documents as~~

~~specified in e tender notice shall have to be submitted by the lowest bidder within a week physically in the office of tender opening authority. Online bid documents submitted by intending bidders shall be opened only of those bidders, whose original EMD deposited and other documents scanned and uploaded are found in order.~~

10. The bid submitted shall become invalid and e-Tender processing fee (if applicable) shall not be refunded if:
 - (i) The bidder is found ineligible.
 - (ii) The bidder does not ~~upload~~ submit ~~scanned~~ copies of all the documents stipulated in the bid document.
 - (iii) ~~If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.~~
 - (iv) If a tenderer ~~quotes nil rates against each item in Item Rate tender or~~ does not quote any percentage above / below on the total amount of the tender or any section / subhead in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
11. The contractor whose bid is accepted will be required to furnish performance guarantee at specified percentage of the tendered amount as mentioned in schedule E and within the period specified in Schedule F. This guarantee shall be in the form of ~~Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee~~ from any of the Commercial Banks in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses / registrations or proof of applying for obtaining labour licenses, ~~registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. if applicable and also ensure the compliance of aforesaid provisions by the sub-contractors, if any engaged by the contractor~~ for the said work within the period specified in Schedule F.
12. **The description of the work is as follows:**

“Name of Work: - Overhauling, servicing and change of media of water treatment plants at swimming pool of IISER Kolkata.”

Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

13. The competent authority on behalf of the Director, IISER Kolkata does not bind itself to

accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.

14. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
15. The competent authority on behalf of Director, IISER Kolkata reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
16. ~~The contractor shall not be permitted to bid for works in the CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazette officer in the Central Public Works Department or in the Ministry of Housing and Urban Affairs. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.~~
17. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
18. The bids for the works shall remain open for acceptance for a period of 30(thirty) days from the date of opening of bids in case of single bid system and **75 (Seventy Five)** days from the date of opening of technical bids in case bids are invited in 2 or 3 bid system.–

Further:
 - (i) If any tenderer withdraws his tender or make any modification in the terms and conditions of the tender which is not acceptable to the department within 7 days after last date of submission of bids, then the government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - (ii) If any tenderer withdraws his tender or make any modification in the terms and conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bids, then the government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - (iii) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidder shall not be allowed to participate in the rebidding process of the same work.
19. This notice inviting Bid shall form a part of the contract document. The successful bidder/contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
 - (a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.

(b) Standard C.P.W.D. Form 7/8 or other Standard C.P.W.D. Form as applicable.

20. ~~For Composite Bids~~

~~20.1.1 The Executive Engineer in charge of the major component will call bids for the composite work. The cost of bid document and Earnest Money will be fixed with respect to the combined estimated cost put to tender for composite bid.~~

~~20.1.2 The bid document will include following three components:~~

~~**Part A :** CPWD 6, CPWD 7/8 including schedule A to F for the major component of the work, Standard General Conditions of Contract for CPWD 2023 as amended/modified up to present date.~~

~~**Part B :** General / specific conditions, specifications and schedule of quantities applicable to major component of the work.~~

~~**Part C :** Schedule A to F for Minor component of the work (competent authority under clause 2 and clause 5 shall be same authority as mentioned in schedule A to F for major components); General/specific conditions, specifications and schedule of quantities applicable to minor component(s) of the work.~~

~~20.1.3 The bidders must associate himself, with agencies as per NIT conditions.~~

~~20.1.4 The eligible bidders shall quote rates for all items of major component as well as for all items of minor components of work.~~

~~20.1.5 After acceptance of the bid by competent authority, the EE in charge of major component of the work shall issue letter of award on behalf of the Director, IISER Kolkata. After the work is awarded, the main contractor will have to enter into one agreement with EE in charge of major component and has also to sign two or more copies of agreement depending upon number of EE's/DDH in charge of minor components. One such signed set of agreement shall be handed over to EE/DDH in charge of minor components(s).~~

~~EE of major component will operate Part A and Part B of the agreement EE/DDH in charge of minor component(s) shall operate Part C alongwith Part A of the agreement.~~

~~20.1.6 Entire work under the scope of composite bid including major and all minor components shall be executed under one agreement.~~

~~20.1.7 Security Deposit will be work out separately for each component corresponding to the estimated cost of the respective component of work.~~

~~20.1.8 The main contractor has to associate agencies for specialized component(s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency(s) to Engineering in charge of relevant component(s) within prescribed time. Name of the agency(s) to be associated shall be approved by Engineering in Charge of relevant component(s).~~

~~20.1.9 In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer in Charge of relevant specialized component(s)~~

~~The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer in charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.~~

~~20.1.10 The main contractor has to enter into MoU with agency(s) associated by him. Copy~~

of such MoU shall be submitted to EE/DDH in charge of each relevant component as well as to EE in charge of major component. In case of change of associate contractor, the main agency(s) has to enter into MoU/agreement with the new contractor associated by him.

20.1.11 ~~Running payment for the major component shall be made by EE of major discipline to the main contractor. Running payment for minor components shall be made by the Engineer in Charge of the discipline of minor component directly to the main contractor. The CMB shall be maintained independently by Engineer in Charge of major and minor components.~~

20.1.12 ~~The composite work shall be treated as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by Engineer in Charge of major component after record of completion certificate of all other components.~~

20.1.12B ~~Final bill of whole work shall be finalized and paid by the EE of major component.~~

~~Engineer(s) in charge of minor component(s) will prepare and pass the final bill for their component of work and pass on the same to the EE of major component for including in the final bill for composite contract.~~

21. ~~Integrity Pact: The contractor shall download the integrity Pact, which is a part of tender documents, affix his signature in the presence of a witness, and upload the same while submitting online bids for all works of estimated cost put to tender equal or more than the threshold value given in Schedule F. In the event of his failure to sign and upload the integrity pact along with other bid documents, his bid shall be rejected.~~

22. ~~The intending bidders are required to update their profile in CPWD e-tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/uploading tender can be resolved through the concerned Executive Engineer/Assistant Engineer (Phone * e-mail id *) or ERP helpline No. 18001803286 or e-mail id cpwd.support@techmahindra.com. The e-tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.~~

**Asstt. Executive Engineer (C)
IWD, IISER Kolkata**

Annexure - A

JURISDICTION OF COURTS

- 1) The court of the place from where the letter of award of work has been issued shall have the jurisdiction to decide any dispute arising out of or in respect of the contract.
- 2) ~~CPWD does not have funds of its own and it carries out the works of client departments from their funds (deposit, budgetary, authorization). The CPWD is making payments to the contractors after getting budget/ authorization/ deposit from various Ministries/ Client Departments. The payment to the contractor can be done only on availability of funds for that work from client department and in case of delay in getting funds from Ministry/ Client Department, CPWD will not be responsible for delay in payment and no any extra compensation on this account shall be granted apart from specified elsewhere in this document. The contractor has to quote his tender accordingly considering this aspect.~~

**Asstt. Executive Engineer (C)
IWD, IISER Kolkata**

NOTICE INVITING TENDER



FORM 'A'

FINANCIAL INFORMATION

- (i) Financial Analysis-Details to be furnished duly supported by figures in balance sheet/ profit & loss account for the last seven years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached).

(Figure in Lakhs Rs.)

Sl. No.	Particulars	Financial Years						
		2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
i)	Gross Annual turnover on Construction works							
ii)	Profit / Loss (Standalone finance statement and consolidated financial statement both.							

- i) Financial arrangements for carrying out the proposed work.

Signature of Chartered Accountant with Seal

Signature of bidder (s)

NOTICE INVITING TENDER



FORM 'B'

FORM OF BANKERS' SOLVENCY CERTIFICATE FROM A COMMERCIAL BANK

To

The Assistant Executive Engineer (Civil)
IWD,
IISER Kolkata

This is to certify that to the best of our knowledge and information that M/s./Shri.....having marginally noted address, a customer of our bank are/is respectable and can be treated as good for any engagement upto a limit of Rs.....(Rupees).

This certificate is issued without any guarantee or responsibility on the bank or any of the officers.

(Signature) For the Bank

NOTE:

- (1) Banker certificates should be on letter head of the Bank, addressed to tendering authority.
- (2) In case of partnership firm, certificate should include names of all partners as recorded with the Bank.

NOTICE INVITING TENDER



FORM 'C'

DETAILS OF ELIGIBLE SIMILAR NATURE OF WORKS COMPLETED DURING THE LAST SEVEN YEARS ENDING LAST DATE OF THE MONTH PREVIOUS TO THE ONE IN WHICH TENDERS ARE INVITED

Name of the Bidder.....

S. No.	Name of work/ project and location	Owner or sponsoring organization	Cost of work in crores of rupees	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Litigation/ arbitration cases pending / in progress with details*	Name and address/ telephone number of officer to whom reference may be made	Whether the work was done on back to back basis Yes/ No
1	2	3	4	5	6	7	8	9	10

* Indicates gross amount claimed and the amount awarded by the Arbitrator.

Signature of Bidder(s)

NOTICE INVITING TENDER



FORM 'D'

PERFORMANCE REPORT OF WORKS REFERRED TO IN FORMS "C"

1.	Name of work / Project & Location		
2.	Agreement No.		
3.	Agency		
4.	Estimated Cost		
5.	Tendered Cost		
6.	Date of Start		
7.	Date of completion		
	i)	Stipulated Date of Completion (as-mentioned in work order)	
	ii)	Actual Date of Completion	
8.	Actual/Final value of work		
9.	Amount of compensation levied for delayed completion, if any		
	i)	Whether case of levy of compensation for delay has been decided or not	Yes/ No.
	ii)	If decided:	
		a) Justified period of extension	
		b) Amount of compensation levied for delayed completion, if any.	
10.	Amount of reduced rate items, if any		
11.	Performance Report		
	1) Quality of Work		Outstanding /Very Good/Good/Poor
	2) Financial Soundness		Outstanding /Very Good/Good/Poor
	3) Technical Proficiency		Outstanding /Very Good/Good/Poor
	4) Resourcefulness		Outstanding /Very Good/Good/Poor
	5) General behaviour		Outstanding /Very Good/Good/ Poor

Dated:

Executive Engineer Or Equivalent with stamp

NOTICE INVITING TENDER



FORM-‘E’

STRUCTURE & ORGANIZATION

1.	Name & Address of the bidder		
2.	Telephone No. / Email id /Telex No./Fax No.		
3.	Legal status of the bidder (scanned and upload copies of original documents defining the legal status).		
	a)	An Individual	
	b)	A proprietary firm	
	c)	A firm in partnership	
	d)	A limited company or Corporation	
4.	Particulars of registration with various Government bodies (scanned and upload and attested photo- copy).		
	Organization/Place of Registration		Registration No.
	1.		
	2.		
	3.		
5.	Names and Titles of Directors & Officers with designation to be concerned with this work.		
6.	Designation of individuals authorized to act for the organization.		
7.	Has the bidder or any constituent partner in case of partnership firm, ever abandoned the awarded work before its completion? If so, give name of the project and reasons for abandonment.		
8.	Has the bidder, or any constituent partner in case of partnership firm/limited company/joint venture, ever been convicted by the court of law? If so, give details.		
9.	In which field of Civil Engineering Construction, the bidder has specialization and interest?		
10.	Any other information considered necessary but not included above.		
11.	Organisation Bank Details with IFS Code		

Signature of bidder(s) with stamp

NOTICE INVITING TENDER



FORM-'I'

AFFIDAVIT

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding in IWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Performance Guarantee (Scanned copy to be uploaded at the time of submission of bid).

Signature of bidder(s) with stamp

FORM-‘K’**AFFIDAVIT FOR NON-BLACK LISTING**

I/We undertake and confirm that our firm / partnership firm / company has not been blacklisted by any State / Central Departments/ PSUs/ Autonomous Bodies during the last 7 years of its operations. Further that, if such information comes to the notice of the department, then I/ We shall be debarred for bidding in IWD in future forever. Also, if such information come to the notice of department on any day before date of start of work, the Engineer-in charge shall be free to cancel the agreement and to forfeit the entire amount of Performance Guarantee.

Signature of notary
with seal
the firm with stamp

Signature of bidder or
an authorized person of

Note :- Affidavit to be furnished on a ‘Non - judicial’ stamp paper of Rs. 100/-(Scanned copy of the notarized affidavit to be uploaded at the time of submission of bid) .

CPWD-7

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE: WEST BENGAL

ZONE : IISER KOLKATA

BRANCH: CIVIL

DIVISION : IWD

Percentage Rate Tender & Contract for Works

(A) **Tender for the work of: Overhauling, servicing and change of media of water treatment plants at swimming pool of IISER Kolkata.**

- (i) ~~To be uploaded by 12:00 hours on 00/03/2026 to/ upload at Institute website <http://www.iiserkol.ac.in/announcements/tenders>.~~ The tender documents in complete shape should be submitted to the **Despatch Section, Administrative cum Academic Complex, IISER Kolkata, Mohanpur – 741246** along with your comparative and justified rate (inclusive of all taxes) as per the schedule of items including all relevant documents as specified in the NIT **addressed to the undersigned super scribing name of work** within **16.00 hrs of 16.10.2026** positively.
- (ii) To be opened at **17:00 hours on 16/10/2026** in the office of Asstt. Executive Engineer (Civil), IWD, IISER Kolkata.

TENDER

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F, Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the Director, IISER Kolkata within the time specified in Schedule 'F', viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for **Seventy Five (75) days from the date of its opening of bids** and not to make any modifications in its terms & conditions.

I/We have deposited EMD for the prescribed amount in the office of concerned Executive Engineer as per the bid document.

A copy of earnest money deposit receipt of prescribed amount deposited in the form of ~~NEFT/RTGS Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (as prescribed)~~ issued by a Commercial Bank, is scanned and uploaded (strike out as

NOTICE INVITING TENDER



~~the case may be~~ submitted. If I/We, fail to furnish the prescribed performance Guarantee within prescribed period, I/We agree that the said Director, IISER Kolkata or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that Director, IISER Kolkata or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the work referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of Earnest Money or performance guarantee as aforesaid, I / We shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for tendering in IWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information /derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety and integrity of the state.

Dated:
Witness:

Signature of Contractor
Postal Address

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the Director, IISER Kolkata for a sum of Rs. _____/- (Rupees _____)

The letters referred to below shall form part of this contract Agreement: -

- (a) _____
- (b) _____
- (c) _____

For & on behalf of the Director, IISER Kolkata

Signature.....
Designation.....

Dated

NOTICE INVITING TENDER



PERFORMA OF SCHEDULES

SCHEDULE 'A'

Schedule of Quantities (as per CPWD-3)	:	Page 57
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SCHEDULE 'D'

Extra schedule for specific requirements /documents for the work	:	Technical specification, General Terms & Condition attached.
--	---	--

SCHEDULE 'E'

Reference to General Conditions of contract	:	CPWD General Condition of Contract for Construction works 2023 with amendments issued up to last date of submission of bid.
Name of Work	:	Overhauling, servicing and change of media of water treatment plants at swimming pool of IISER Kolkata.
Estimated cost of work	:	Rs. 4,23,206/-
1) Earnest Money	:	Rs. 8,500/-
2) Performance Guarantee	:	5.00% of accepted tendered value (PG should be initially valid up to the stipulated date of completion plus minimum 6 months beyond that)
3) Security Deposit	:	5% of accepted tendered value

SCHEDULE 'F'

General Rules & Directions:-

Officer inviting tender	:	Asstt. Executive Engineer (C), IWD, IISER Kolkata.
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3	:	See below

Definitions:

2(v)	Engineer-in-Charge	:	Asstt. Executive Engineer (C), IWD, IISER Kolkata.
2(viii)	Accepting Authority	:	Asstt. Executive Engineer (C), IWD, IISER Kolkata.

NOTICE INVITING TENDER



2(x)	Percentage on cost of materials and labour to cover all overheads and profits.	:	15%
2(xi)	Standard schedule of Rates	:	Market Rate
2 (xii)	Department	:	Institute Works Department
9(ii)	Standard CPWD contract form GCC 2020, CPWD Form-7 / 8 as modified and corrected upto	:	Form 7 corrected up to last date of submission of bid.

Clause-1

(i)	Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board or Proof of applying thereof from the date of issue of letter of acceptance.	:	7 Days
(ii)	Maximum allowable extension with late fee @ 0.10% per day of Performance Guarantee amount beyond the period provided in (i) above.	:	3 Days

Clause-2

Authority for fixing compensation under clause 2	:	Director, IISER Kolkata.
--	---	---------------------------------

Clause-2 A

Whether Clause 2 A shall be applicable	:	No
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Clause-5

Numbers of days from the date of issue of letter of acceptance for reckoning date of start of Mile stone(s) as per table given below.	:	10 Days
---	---	----------------

Milestone(s) as per table given below:

Table of Milestones:

S. No.	Description of Milestone (s) (Physical)	Time allowed in days (from the date of start)	Amount to be withheld in case of non-achievement of milestone.
----- NIL -----			

Time allowed for execution of work:

01 Month

Authority to decide:

(i)	Extension of time	:	AEE (Civil)
(ii)	Rescheduling of mile stones	:	AEE (Civil)
(iii)	Shifting of date of start in case of delay in handing over of site	:	AEE (Civil)

NOTICE INVITING TENDER



Proforma of schedule clause-5 schedule of handing over of site.

Part	Portion of site	Description	Time period for handing over reckoned from date of issue of letter of intent
Part A	Portion without any hindrance	Complete site is free from hindrance	
Part B	Portion with encumbrances		
Part C	Portions dependent on work of the agencies		

Clause 6

Computerized Measure Book (CMB) / Electronic Measurement Book (EMB)

(i)	Mode of Measurement : CMB / EMB	Computerized measurement Book (CMB)
-----	---------------------------------	-------------------------------------

Clause 7

Gross work to be done together with net payment/adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment	:	Not Applicable
--	---	----------------

Clause 7A

Whether clause 7 A shall be applicable	:	Yes
--	---	-----

Clause 10A

List of testing equipment to be provided by the contractor at site lab	:	As per Site requirement.
--	---	--------------------------

Clause 10C

Component of labour expressed as percent of Value of work	:	30%
---	---	-----

Clause 10CC

Not applicable

Clause 11

Specification to be followed for execution of work	:	All relevant C.P.W.D. General Specifications for Civil works amended up to date.
--	---	--

Clause-12

Authority to decide deviation upto 1.5 time of tendered amount	:	Dean of Administration, IISER Kolkata
--	---	---------------------------------------

NOTICE INVITING TENDER



Clause-12.2 and 12.3

Deviation limit beyond which clause 12.2 & 12.3 shall apply for building work:	:	All deviated quantities shall be paid at agreement rate.
--	---	--

Clause-12.4

(i)	Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work	:	NA
(ii)	Deviation Limit for items mentioned in earth work subhead of DSR and related items	:	NA

Clause-16

Competent Authority for deciding reduced rates	:	Director , IISER Kolkata
--	---	--------------------------

Clause-18

List of mandatory machinery, tools & plants to be deployed by the contractor at site:

List of mandatory machinery, tools & plants to be deployed by the contractor at site	:	All tools, instruments required.
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Clause 19C

Clause 19 C	Authority to decide penalty for each default	:	Dean, IWD
Clause 19 D	Authority to decide penalty for each default	:	Dean, IWD
Clause 19G	Authority to decide penalty for each default	:	Dean, IWD
Clause 19K	Authority to decide penalty for each default	:	Dean, IWD

Clause-25

(i)	Conciliator	Director, IISER Kolkata
(ii)	Arbitrator Appointing Authority :	Director, IISER Kolkata
(iii)	Place of Arbitration:	Kolkata (West Bengal)

NOTICE INVITING TENDER



Clause 32

Requirement of Technical Representative (s) and Recovery Rates

Sl. No.	Requirement of Technical Staff		Minimum experience (Years)	Designation of Technical staff	Rate at which recovery shall be made from the contractor in the event of not fulfilling.
	Qualification	Number (of Major + Minor component)			
1.	Graduate Civil Engineer Or Diploma Engineer	Civil Engineer — 1 No.	2 Years	Site Engineer	Rs. 25,000/- (Rupees twenty five thousand only)

~~Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.~~

~~Diploma Engineer with 10 years relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.~~

Clause 38

(i)	(a)	Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of printed by CPWD with up to date correction slips :-	:	NA
-----	-----	---	---	----

(ii) Variations permissible on theoretical quantities:

(a)	Cement			NA
	For works with estimated cost put to tender not more than Rs. 25 lakh	:		
	For works with estimated cost put to tender more than Rs. 25 lakh	:		
(b)	Bitumen All works.	:		
(c)	Steel Reinforcement and structural steel sections for each diameter, section and category.	:		
(d)	All other materials.	:		

NOTICE INVITING TENDER



केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/ Manual-2022/13

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI

Dated: 18.12.2023

Sub: Modifications in Para 12.1 for CPWD Works Manual 2022 -
regarding deviation on contract amount in Maintenance Works.

Following modifications are made in Para 12.1 for CPWD Works Manual 2022:

Existing Provision	Modified Provision
12.1 Deviation on Tendered Amount (1) The completion cost of any maintenance work shall not exceed 2.0 times the tendered amount and 10% of the sanctioned cost for budgeted works. The Engineer-in-Charge shall record reasons for such deviation beyond the contract amount. Deviation upto 1.25 times of contract amount shall be approved by the Engineer-in-Charge with recorded reasons. Deviation beyond 1.25 times upto 1.50 times of contract amount shall be approved by SE/CE (as applicable) with recorded reasons. In exceptional cases ADG/SDG (as applicable) shall have power to approve the deviation beyond 1.50 times upto 2.0 times of contract amount with recorded reasons and take suitable corrective action. (2) For Deposit works, works on letter of authorization and works of cabinet secretariat through CSSA (Cash Suspense settlement Account), completion cost shall not exceed the A/A & E/ S amount without prior approval of the client and availability of funds.	12.1 Deviation on Contract Amount (1) The completion cost of any maintenance work shall not exceed 1.5 times of contract amount and 10% of the sanctioned cost for budgeted works. The Engineer-in-Charge shall record reasons for such deviation beyond the contract amount. Prior approval from SE/CE is required when completion cost of work is likely to go beyond 1.25 times of contract amount with recorded reasons. The powers to sanction the extra items and deviation are given in 'Financial Powers delegated to CPWD officers' (2) No change

This OM shall be applicable on the agreements drawn after the date of issue of this OM. For already drawn agreements, powers prior to issue of this OM shall be applicable.

This is issued with the approval of DG CPWD.

18.12.2023
(वी. पी. साहू)

अधीक्षक अभियंता(सी.एंड.एम.)

Issued from file No. CSQ/CM/16(1)/2023 e-file 9163323

केलोनवि तथा लोनवि दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु।
(केलोनवि वेबसाइट के माध्यम से)

18.12.2023
R K SINGH
EE(Manual)

Central Public Works Department Office Memorandum

No. DG/CON/Maintenance 2023/05

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD 01.03.2024

NIRMAN BHAWAN, NEW DELHI

Dated: 20.02.2024

Subject: Modifications in Conditions of Contract, Clause 19 and 20 of GCC 2023 for Maintenance Works

The following amendments are made in the GCC 2023 for Maintenance Works:

Existing provision	Modified provision
CONDITIONS OF CONTRACT Definitions 9. Signing of Contract:- The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of:- (i) to (iii) No Provision	CONDITIONS OF CONTRACT Definitions 9. Signing of Contract:- The successful tenderer, on acceptance of his tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of:- (i) to (iii) No change In the event of successful tenderer being a firm/company, then the agreement shall be signed by all the partners or directors thereof individually. In the event of the absence of any partner/director, it shall be signed on his behalf by a person holding a power of attorney (duly notarized by notary public or board resolution in case of company) authorizing him to do so.
Clause 19 B Payment of Wages (i) The contractor shall pay to labour employed by him either directly or through subcontractors, wages not less than fair wages as defined in the C.P.W.D. Contractor's Labour Regulations or as per the provisions of the Contract Labour (Regulation and Abolition) Act, 1970 and the contract Labour (Regulation and Abolition) Central Rules, 1971, wherever applicable.	Clause 19 B Payment of Wages (i) The contractor shall pay to labour employed by him either directly or through subcontractors, wages not less than fair wages as defined in the C.P.W.D. Contractor's Labour Regulations or as per the provisions of the Contract Labour (Regulation and Abolition) Act, 1970 and the contract Labour (Regulation and Abolition) Central Rules, 1971 and Gazette Notification 19.01.2017, S.O 188 (E) extra ordinary part 2 – sec. 3 (ii) amended time to time.

R.K. JAIN
(EE (Contact))

NOTICE INVITING TENDER



(v) The contractor shall comply with the provisions of the Payment of Wages Act, 1936, Minimum Wages Act, 1948, Employees Liability Act, 1938, Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947, Maternity Benefits Act, 1961, and the Contractor's Labour (Regulation and Abolition) Act 1970, or the modifications thereof or any other laws relating thereto and the rules made there under from time to time.	Thus higher of the wages either notified by Govt. of India, Ministry of Labour and/or that notified by the local administration of the State Govt. both relevant to the place of work and the period of reckoning shall be paid by the contractor to the labourer . (v) The contractor shall comply with the provisions of the Payment of Wages Act, 1936, Minimum Wages Act, 1948, Employees Liability Act, 1938, Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947, Maternity Benefits Act, 1961, and the Contractor's Labour (Regulation and Abolition) Act 1970, Gazette Notification 19.01.2017, S.O 188 (E) extra ordinary part 2 – sec. 3 (ii) and the modifications thereof or any other laws relating thereto and the rules made there under from time to time.
Clause 20 Minimum Wages Act to be Complied With The contractor shall comply with all the provisions of the Minimum Wages Act, 1948, and Contract Labour (Regulation and Abolition) Act, 1970, amended from time to time and rules framed there under and other labour laws affecting contract labour that may be brought into force from time to time.	Clause 20 Minimum Wages Act to be Complied With The contractor shall comply with all the provisions of the Minimum Wages Act, 1948, and Contract Labour (Regulation and Abolition) Act, 1970, Gazette Notification 19.01.2017, S.O 188 (E) extra ordinary part 2 – sec. 3 (ii) amended from time to time and rules framed there under and other labour laws affecting contract labour that may be brought into force from time to time.

This issues with the approval of DG CPWD.

[Signature] 01.03.2024
(V.P. Sahu)

Superintending Engineer (C&M)

Issued from file No. CSQ/CM/17(1)/2023 e-file no. 9163323

To all the concerned officers of CPWD/PWD for information and necessary action please. (Through CPWD Website)

[Signature]
29/04/2024
R.K. JAIN
(EE (Contact))

**Central Public Works Department
Office Memorandum**

No. DG/CON/Maintenance 2023/06

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI

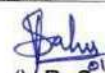
Dated: 01.03.2024

Subject: Modifications in Clause 7 of GCC 2023 for Maintenance Works

The following amendments are made in the GCC 2023 for Maintenance Works:

Existing provision	Modified provision
Clause 7 Payment on intermediate certificate to be regarded as Advances No payment shall be made for work, estimated to cost Rs. Five lac or less till after the whole of the work shall have been completed and certificate of completion given. calendar month of the measurements recorded upto previous month as per clause 6.	Clause 7 Payment on intermediate certificate to be regarded as Advances No change.
The contractor shall not be entitled to be paid any such interim payment if the gross work done together with net payment/ adjustment of advances for material collected, if any, since the last such payment is less than the amount specified in Schedule 'F', in which case the interim bill shall be prepared on the appointed date of the month after the requisite progress is achieved.	The contractor shall not be paid any such interim payment if the gross work done together with net payment/ adjustment of advances for material collected, if any, since the last such payment is less than the amount specified in Schedule 'F', in which case the interim bill shall be prepared on the appointed date of the month after the requisite progress is achieved.
No provision	However, to expedite the progress of work, Engineer-in-Charge, on the request of contractor, may make interim payment(s) even before the net payment limit specified in schedule 'F' is achieved. In such case(s) no interest / compensation shall be recoverable from contractor. Such payment by Engineer-in-Charge shall not be construed as waiver of limit specified in schedule 'F' for subsequent interim payment(s).

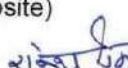
This issues with the approval of DG CPWD.


 (V.P. Sahu)

Superintending Engineer (C&M)

Issued from file No. CSQ/CM/17(1)/2023/Maintenance e-file no. 9135972

To all the concerned officers of CPWD/PWD for information and necessary action please. (Through CPWD Website)


R.K. JAIN
 (EE (Contact))

NOTICE INVITING TENDER



(On NON JUDICIAL STAMP PAPER of minimum of Rs. 100)

INTEGRITY AGREEMENT

This Pre-Contract Integrity Agreement is made at on this day of 20.....

BETWEEN

The Director, IISER Kolkata represented through Assistant Executive Engineer(Civil), IWD.....(Name of Division)IISER Kolkata, (Hereinafter referred as The Assistant Executive Engineer (Civil), IISER Kolkata, Mohanpur, Nadia, Pin-741246)

'Principal/Owner', which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

AND

.....
(Name and Address of the Individual/firm/Company) through (Hereinafter referred to as the (Details of duly authorized signatory)

"Bidder/Contractor" and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

Preamble

WHEREAS the Principal / Owner has floated the Tender (NIT No.....)(hereinafter referred to as **"Tender/Bid"**) and intends to award, under laid down organizational procedure, contract for.....

.....
(Name of work)

Hereinafter referred to as the **"Contract"**.

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as **"Integrity Pact"** or **"Pact"**), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under-

Article 1: Commitment of the Principal/Owner

1)——The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:

(a)——No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

(b)——The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and

~~reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.~~

~~(c) — The Principal/Owner shall endeavour to exclude from the Tender process any person, whose conduct in the past has been of biased nature.~~

~~2) — If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.~~

Article 2: Commitment of the Bidder(s)/Contractor(s)

~~1) — It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of **fraud or corruption or Coercion or Collusion** of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.~~

~~2) — The Bidder(s)/Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:~~

~~a) — The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.~~

~~b) — The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.~~

~~e) — The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contract(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.~~

~~d) — The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly, Bidder(s)/ Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participates in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.~~

~~e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose (with each tender as per proforma enclosed) any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.~~

3)—— The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

4)—— The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a wilful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.

5)—— The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach

Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right:

1)—— If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/ Owner after giving 14 days' notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. Such exclusion may be forever or for a limited period as decided by the Principal/Owner.

2)—— Forfeiture of EMD/Performance Guarantee/Security Deposit: If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.

Criminal Liability: If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of Indian Penal code (IPC)/Prevention of Corruption Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression

1)—— The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.

2)—— If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.

3)—— If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors

1)—— The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Subcontractors/sub-vendors.

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2)—— The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.

3)—— The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

Article 6 – Duration of the Pact

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 12 months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.

If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, IISER Kolkata.

Article 7 – Other Provisions

1)—— This Pact is subject to Indian Law, place of performance and jurisdiction is the **Headquarters of the Division** of the Principal/Owner, who has floated the Tender.

2)—— Changes and supplements need to be made in writing. Side agreements have not been made.

3)—— If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly by board resolution.

4)—— Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this Integrity Agreement/ Pact or interpretation thereof shall not be subject to arbitration.

Article 8 – Legal and Prior Rights

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/ Contract documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

.....
(For and on behalf of Principal/Owner)

.....
(For and on behalf of Bidder/Contractor)-
WITNESSES:

1.
(signature, name and address)

2.
(signature, name and address)

Date :

Place:

On non-judicial stamp paper of minimum Rs. 100

(Guarantee offered by bank to IWD in connection with the execution of contracts)

**Form of Bank Guarantee for Performance Guarantee/ Security Deposit/
Mobilization Advance**

1. ~~Whereas the Assistant Executive Engineer (Civil), IWD, HISER Kolkata on behalf of the Director, HISER Kolkata (hereinafter called "The Government") has invited bids under NIT No. HISER K/Civil/2025-26/45 dated 11.03.2026 for the work "Providing and installation of MS vertical cylinder and single deck iron removal cum pressure filtration plant for the NSCB and ICV of HISER Kolkata at Mohanpur."~~ The Government has further agreed to accept irrevocable Bank Guarantee for Rs (Rupees Only) valid up to (date)* as **Performance Guarantee** from (name and address of contractor) (hereinafter called "the contractor") for compliance of his obligations in accordance with the terms and conditions of the said NIT.

OR**

- ~~Whereas the Assistant Executive Engineer (Civil), IWD, HISER Kolkata on behalf of the Director, HISER Kolkata (hereinafter called "The Government") has entered into an agreement bearing number with (name and address of the contractor) (hereinafter called "the Contractor") for execution of work "Providing and installation of MS vertical cylinder and single deck iron removal cum pressure filtration plant for the NSCB and ICV of HISER Kolkata at Mohanpur."~~ The Government has further agreed to accept an irrevocable Bank Guarantee for Rs (Rupees only) valid up to (date) as **Performance Guarantee / Security Deposit/ Mobilization Advance** from the said Contractor for compliance of his obligations in accordance with the terms and conditions of the agreement..
2. ~~We, (indicate the name of the bank)..... (herein after referred to as "the bank"), hereby undertake to pay to the Government an amount not exceeding Rs..... (Rupees..... only) on demand by the Government within 10 days of the demand.~~
3. ~~We, (indicate the name of the bank)....., do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. (Rupees only).~~
4. ~~We, (indicate the name of the bank), further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any Court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.~~
5. ~~We, (indicate the name of the Bank), further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said~~

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~~agreement or to extend time of performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said contractor or for any forbearance, act of omission on the part of the government or any indulgence by the Government to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.~~

- ~~6. We, (indicate the name of the Bank), further agree that the Government as its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.~~
- ~~7. This Guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.~~
- ~~8. We, (indicate the name of the Bank), undertake not to revoke this guarantee except with the consent of the Government in writing.~~
- ~~9. This Bank Guarantee shall be valid up to unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. (Rupees only) and unless a claim in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharges.~~

Date

Witnesses:

1. Signature Authorized signatory
Name and address Name
Designation
Staff code no.
Bank seal

2. Signature
Name and address

~~*Date to be worked out on the basis of validity period of 90 days where only financial bids are invited and 180 days for two/three bid system from the date of submission of tender.~~

~~**In paragraph 1, strike out the portion not applicable. Bank Guarantee will be made either for earnest money or for performance guarantee/security deposit/mobilization advance, as the case may be.~~

TECHNICAL SPECIFICATIONS AND ADDITIONAL, GENERAL TERMS AND CONDITIONS

NAME OF WORK: Overhauling, servicing and change of media of water treatment plants at swimming pool of IISER Kolkata.

Technical Specifications:

1. These additional specifications are to be read in conjunction with the specifications given in respective part of this tender. In case any item/items or part thereof are not covered under given specifications in tender, the same shall be carried out as per relevant part of the CPWD General Specification for Civil Works 2023 and amended up to date, ~~General specification for Heating, Ventilation & Air conditioning (HVAC) work 2017, relevant I.E. rules, BIS/IEC~~ and as per direction of Engineer –in - Charge. These additional specifications are to be read in conjunction with above and in case of variations; specifications given in this additional condition shall apply. However, nothing extra shall be paid on account of these additional specifications and conditions, as the same are to be read along with schedule of quantities for the work. In case of discrepancy among the specifications/conditions as mentioned above the precedence given in general condition of contract shall be followed.

Additional, General Terms and Conditions:**1. Terminology:**

The definition of terms used in these specifications shall be in accordance with relevant IS.

2. Site Information:

Swimming pool of Institute of Science Education and Research Kolkata, Mohanpur Campus, Nadia, Pin - 741246.

- (i) The tenderer should, in his own interest, visit the site and familiarize themselves with the site conditions before tendering.

General security restrictions are given as under:

- a) No inflammable materials including P.O.L. shall generally be stored at site of work.
- b) The movement of trucks and vehicles will be regulated in accordance with rules and regulations as approved by competent authorities.
- c) The contractor shall inform in advance, the truck registration number, ownership of the trucks, names and address of the drivers and labours for necessary action by the security agency.
- d) Due to the site conditions, no space for construction of go down and stay of site staff may be allowed.
- e) Names and addresses of labourers/staff along with identity proof and residence address proof etc. working at site shall be furnished in advance for security verification for issue of passes.
- f) The labourers/staff should not be changed too frequently once the verification of the character and antecedents is done.
- g) As and when there will be security requirements, certain additional restrictions can be proposed as per the requirement of the situation.
- h) ~~**IDENTITY CARDS:** The identity cards will be issued to the workmen employed by the contractor after proper police verification for which Contractor shall submit a list of worker's to be deployed on site of work. The cost of photos would be borne by the contractor. They will be required to carry the identity cards with them during their working inside the building.~~

- i) Due to security constraints, all the working personal may not be allowed to carry the mobile phone or any other electronic gadgets. The instruction of security personal in this regard shall be followed religiously.
- j) Therefore in view of the situation explained under above paragraphs the tenderer must visit the site and must get himself acquainted with the proposed site of work, study specifications and conditions carefully before tendering rates. Nothing extra shall be paid on account of compliance of any of these clauses. The hindrance due to security constraints shall be not be accounted towards adjustment of completion time mentioned in the tender document.

3. Conformity with statutory Acts, Rules, Standards and codes

- (i) All components shall conform to relevant Indian Standard Specifications, International Standards, amended to date and shall bear the stamp of the testing laboratory wherever existing.

4. Safety Codes and Labour Regulations

- (i) In respect of all labour employed directly or indirectly on the work, the contractor at his own expense, will arrange for the safety provisions as per the statutory provision, B.I.S. recommendations, factory act, and workman's compensation act. CPWD code and instructions issued from time to time. Failure to provide such safety requirements would make the tenderer liable for penalty. In addition, the Engineer-in-charge shall be at liberty to make arrangements and provide facilities as aforesaid and recover the cost incurred thereon from the contractor.
- (ii) The contractor shall provide necessary barriers, signals and other safety measures wherever necessary so as to avoid accident. He shall also indemnify IISER Kolkata against claims for compensation arising out of negligence in this respect. Contractor shall be liable, in accordance with the Indian law and Regulations for any accident occurring due to any cause. The department shall not be responsible for any accident occurred or damage incurred or claims arising there from during the execution of work. The contractor to cover the risk. No extra payment would be made to the contractor due to the above provisions thereof.

5. Works to be arranged by the department

Unless otherwise specified in the tender documents, the following works shall also be arranged by the Department:

- (i) Space for accommodating all the equipments and components involved in the works. However, arrangement to make it lockable and its watch & ward shall be made by contractor himself.

6. Works to be done by the contractor:

Unless otherwise mentioned in the tender documents, the following works shall be done by the contractor and therefore, their cost shall be deemed to be included in their tendered cost-whether specifically indicated in the schedule of work or not: -

- (i) Making good all damages caused to the structure during installation and restoring the same to their original finish.
- (ii) All the removed and disposed material should be transported and stocked within the Campus as instructed.
- (iii) Approval from Local Body as may be required as per local bye-laws. (The contractor's responsibility shall be limited to the work executed by him.)

7. Rates:

The rate quoted by bidder, shall be firm and inclusive of all taxes, duties and levies.

8. **Power Supply:**
Power supply shall be arranged by the contractor.
9. **Water Supply**
The water supply shall be arranged by the contractor.
10. **Acceptable Makes:**
The acceptable makes of the various equipments/components/accessories have been indicated in “Acceptable Makes” annexed with this document. The bidders shall work out the cost of the offers on this basis.
Successful bidder is to comply with the Public Procurement (Preference of Make in India), Order 2017 dated 15.06.2017, while executing the contract. If any provision made elsewhere in this NIT, which in contravention with the Make in India policy, the later shall have preference over the former. Engineer-in-charge will have the final authority to take appropriate decision in the matter.
11. **Machinery for Erection**
All tools and tackles required for unloading/handling of equipments and materials at site, their assembly, erection, testing and commissioning shall be the responsibility of the contractor.
12. **~~Completeness of the tender, submission of programme, approval of drawings and commencement of work~~**
- i) ~~**Completeness of the tender:-**~~
~~All sundry equipments, fittings, assemblies, accessories, hardware items, foundation blots, supports, termination lugs for electrical connections, cable glands, junction boxes and all other items which are useful and necessary for proper assembly and efficient working of the various equipments and components of the work shall be deemed to have been included in the tender, irrespective of the fact whether such items are specifically mentioned in the tender or not.~~
- ii) ~~**Submission of programme:**~~
~~Within seven days from the date of receipt of the letter of award, the successful tenderer shall submit his programme for submission of drawings, supply of equipment, installation, testing, commissioning and handing over of the installation to the Engineer-in-charge. This programme shall be framed keeping in view the building progress and the milestones fixed in Schedule 'F' Clause 5 of CPWD 7 shall be given priority.~~
- iii) ~~**Submission of drawings:**~~
~~The contractor shall submit the details drawings/AutoCAD drawings of all E & M/ installations, cable layout plan mentioned in the estimate along with detailed calculation sheets of technical data such as cable size calculation, electrical load details etc. as desired by the department to the Engineer in Charge for approval before start of the work and after approval of the same the supply of the materials will be initiated.~~
- iv) **Commencement of work**
The contractor shall commence work as soon as the site is handed over to him.
13. **Dispatch of materials to site and their safe custody:**
The contractor shall dispatch material to site in consultation with the Engineer-in-Charge. Suitable accommodation shall be made available free of charge temporarily. The arrangement to make it lockable/secure by means of partitions, locks etc. shall be responsibility of the contractor. Watch and ward however, shall be the responsibility of contractor. Program of dispatch of material shall be framed keeping in view the building progress. Safe custody of all machinery and equipment supplied by the contractor shall be the responsibility of the contractor till final taking over by the department.

14. Extent of Work:

The work shall comprises of entire labour including supervision and all material necessary to meet a complete installation and such tests and adjustment and commissioning, as may be required by the department. The term complete installation shall not only mean major items covered by the specification but all incidental sundry components necessary for complete execution and satisfactory performance of installation with all layout charts whether or not those have been mentioned in detail in the tender documents in connection with this contract as this is a turnkey job.

15. Compliance with Regulations and Indian Standards:

- (i) All works shall be carried out in accordance with relevant regulation, both statutory and those specified by the Indian Standards related to the works covered by this specification. In particular, the equipment and installation will comply with the following:
 - i) B.I.S. & other standards as applicable.
 - ii) Workmen's compensation Act.
 - iii) CPWD General Specifications 2023 Volume- I & II with upto date amendments.
- (ii) Nothing in this specification shall be construed to relieve the successful tenderer of his responsibility for the design, manufacture and installation of the equipment with all accessories in accordance with currently applicable statutory regulations and safety codes.
- (iii) Successful tenderer shall arrange for compliance with statutory provisions of safety regulations and departmental requirements of safety codes in respect of labour employed on the work by the tenderer. Failure to provide such safety requirement would make the tenderer liable for penalty of Rs. 500/- for each default. In addition, the department will be at liberty to make arrangement for the safety requirements at the cost of tenderer and recover the cost thereof from him.

16. Indemnity:

The successful tenderer shall at all times indemnify the department, consequent on this works contract. The successful tenderer shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause and the contractor shall be responsible for any accident or damage incurred or claims arising there ~~from during the period of erection, construction and putting into operation the equipments and ancillary equipment~~ under the supervision of the successful tenderer in so far as the latter is responsible. The successful tenderer shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the successful tenderer on account of the above.

~~17. Co-ordination with other Agencies~~

~~The contractor shall co-ordinate with all other agencies involved at the site of work so that the work of other agencies is not hampered due to delay in his work. The work, which directly affect the progress of work of other agencies, shall be given priority.~~

~~18. Verification of Correctness of Equipment at Destination:~~

~~The contractor shall have to produce all the relevant records to certify that the genuine equipments from the manufacturers has been supplied and erected.~~

19. Care of the Building

Care shall be taken by the contractor during execution of the work to avoid damage to the building. Care shall also be taken by the contractor to avoid the damage to any of these existing service/service lines, any part of the building etc. If any damage is caused to any of the existing services/service lines, or any part of the building the same shall be repaired /

rectified and made functional or restored to its original finish by the contractor immediately at his own expenses failing which the same shall be repaired/ rectified and made functional by department at the risk and cost of the contractor. The decision of the Engineer-in-charge in this regard shall be final & binding. He shall also remove all unwanted and waste materials arising out of the installation from the site of work from time to time.

20. Quality of Materials and Workmanship

- (i) The components of the installation shall be such design so as to satisfactorily function under all conditions of operation.
- (ii) The entire work ~~of manufacture/fabrication, assembly and installation~~ shall conform to sound engineering practice.
- (iii) All equipments and material to be used in work shall be manufactured in factories of good repute having excellent track record of quality manufacturing, performance and proper after sales service.
- (iv) All equipments and materials to be used in the work shall be brand new having its date of manufacturing not more than 6 months old from the date of delivery at site with manufacturer's certificates, warrantee cards, technical catalogues, instructions, manuals and wiring diagrams etc.

21. ~~Safety Measures~~

~~All equipments shall incorporate suitable safety provision to ensure safety of the operating personnel at all times. The initial and final inspection reports shall bring out explicitly the safety provisions incorporated in each equipment.~~

22. Guarantee

- i) The contractor shall guarantee the complete system to maintain the specified conditions under all conditions of ambient temperature.
- ii) All equipments shall be guaranteed for a period of 12 months from the date of acceptance and taking over of the installation by the department against unsatisfactory performance and/ or breakdown due to defective design, material, manufacture, workmanship or installation. The equipment or component or any part thereof so found defective during the guarantee period shall be repaired or replaced free of cost to the satisfaction of the Engineer-in-Charge. In case it is felt by the department that undue delay is being caused by the contractor in doing this, the same will be got done by the department at the risk and cost of the contractor. The decision of Engineer-in-Charge in this regard shall be final.

23. Taxes and Duties

The tender is for entering into percentage rate works contract. The rates shall be inclusive of all taxes, duties, levies, cess, packing, transportation, handling etc. Statutory deduction of GST as applicable shall be made at source from each running /final bill payment. A certificate of TDS shall be issued by the department to the contractor.

24. DEFECT LIABILITY PERIOD (REFUND OF SECURITY DEPOSIT)

The defect liability / maintenance period shall be 12 months after the date of completion of work for this contract agreement. The contractor shall have to produce a certificate stating that no defects are pending for rectification from the Engineer-in-charge, but subject to other provisions specified elsewhere in the contract agreement

25. Terms of Payments:

Following payment terms shall be applicable.

- i) No advance payment shall be made.
- ii) Payment shall be made on RA/final bill basis only on satisfactory compliance of all the tender conditions stipulated and performance of the job satisfactorily and submission of bill by the firm.
- iii) The Contractor shall submit the bills along with the accepted and jointly recorded

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measurement duly certified by the Engineer in Charge.

- iv) From each running bill 5% of the bill value will be deducted as Security deposit which will be refunded after successful completion of Defect liability period.
- v) ~~Following percentage of contract rates shall be payable against the stage of work shown herein:~~

SL. No.	Stage of Work	Feeder Pillars & UG cable	LED fittings, Fans, MCBs & MCB-DBs	All other items
1.	After initial inspection (wherever specified) and delivery at site in good condition on pro-rata basis.	60%	60%	50%
2.	After completion of installation in all respect on pro-rata basis.	25%	25%	35%
3.	After testing, Commissioning, Obtaining Clearance from Local Body and handing over to the department for beneficial use.	15%	15%	15%

26. ~~Completion drawings~~

~~Three sets of the following laminated drawings shall be submitted by the contractor while handing over the installation to the Engineer in Charge. Out of this one of the sets shall be laminated on a hard base for display near panel. In addition one set will be given on compact disc.~~

- ~~Line diagram of electrical supply.~~
- ~~Detailed layout plan of electrical points and distribution boards.~~
- ~~Technical particulars of each and every item to be used at site.~~
- ~~Any other drawings relevant to the work.~~

27. ~~Documents to be Furnished on completion of Installation~~

~~Three sets of the following documents shall be furnished to the department by the contractor on completion of works:-~~

- ~~Completion drawings~~
- ~~3 Sets of manufacturer's technical catalogues of all equipments and accessories.~~
- ~~Operation and maintenance manual of all major equipments, detailing all adjustments, operation and maintenance procedure.~~

- 28. ~~GST and all other tax/cess as applicable shall be payable by the contractor and Govt. will not entertain any claim what so ever in respect of the same.~~

29. ~~Agency / contractor should submit following documents.~~

~~Test report of Warranty certificate of LED fittings of OEM has to be submitted.~~

Asstt. Executive Engineer (C)
IWD, IISER Kolkata

SPECIAL CONDITIONS FOR CEMENT & STEEL

1. CONDITIONS FOR CEMENT: -

- 1.1 The Contractor shall procure 43 grade Ordinary Portland Cement (OPC) conforming to IS: 8112 / Portland Pozzolana Cement (PPC) (Fly ash based) – conforming to relevant IS:1489 (Part -1) as required in the work, from reputed manufactures of cement as per approved make list.
- 1.2 The tenderers may also submit a list of names of cement manufacturers which they propose to use in the work. The tender accepting authority reserves right to accept or reject name(s) of cement manufacture(s) which the contractor proposes to use in the work. No change in the tendered rates will be accepted if the tender accepting authority does not accept the list of cement manufacturer, given by the tenderer, fully or partially.
- 1.3 Supply of cement shall be taken in 50 Kg bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer- in-charge and may get tested in accordance with provisions of relevant BIS codes. In case test results indicate that the cement arranged by the Contractor does not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the Contractor at his own cost within a week's time of written order from the Engineer- in-charge to do so.
- 1.4 If Portland Pozzolana cement (PPC) is used, suitable modification in de-shuttering time etc. shall be done if needed as per Specifications and standards and as directed by Engineer – in – charge and nothing extra shall be payable on this account.
- 1.5 The actual issue and consumption of cement on work shall be regulated and proper accounts maintained separately for each type of cement, as provided in clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in Clause 38 of the contract and shall be governed by conditions laid therein. However, for consumption lesser beyond permissible theoretical variation recovery shall be made in accordance with conditions of contract at Schedule A to F, without prejudice to action for acceptance of work/item at reduced rate or rejection as the case may be. In case of excess consumption, no adjustment shall be made.
- 1.6 Cement brought to site and cement remaining unused after completion of work shall not be removed from site without written permission of the Engineer-in-charge.
- 1.7 The damaged cement shall be removed from site immediately by the contractor on receipt of notice in writing from the Engineer-in Charge. If he does not do so within 3 (three) days of receipt of such notice, the Engineer-in-charge shall get it removed at the cost of the contractor.

2. ~~SPECIAL CONDITIONS FOR STEEL REINFORCEMENT~~

~~For reinforced cement concrete or pre stress concrete work, the reinforcement bars shall consist of following grades conforming to IS 1786:2008 (Indian standard Specifications for high strength deformed steel bars and wires for concrete reinforcement) : Fe500D / Fe550D.~~

~~2.1 The contractor shall obtain manufacturer's certificate stating the process of manufacture, chemical composition and test sheet having result of each mechanical test applicable to the material purchased and submit it to the Engineer-in-charge. Each test certificate shall indicate the number of the cast to which it applies, corresponding to the number or identification mark to be found on the material~~

~~2.2 The Engineer in charge shall get each consignment tested for both chemical composition physical properties (including bend and re-bend test) as specified in IS 1786 form NABL accredited laboratory or any Government laboratory.~~

~~2.3 Reinforcement bar is the one of the most important building materials. Its quality directly affects the life span, resistance to earthquake and durability of the structure. In order to ensure consistence quality of re-bars, steel may be procured from reputed brands like SAIL, TATA steel Ltd, RINL, JSPL and JSW.~~

~~The procured steel should have following qualities:-~~

- ~~• Excellent ductility, bend ability and elongation of finished product due to possible refining technology.~~
- ~~• Consumption of steel should be accurate as per design.~~
- ~~• Steel should have no brittleness problem in finished product.~~
- ~~• Steel should carry the quality of corrosion and earth quake resistance.~~
- ~~• Quality steel with achievement of proper level of Sulphur and Phosphorus as per IS:1786-2008.~~

~~2.4 In case the test results indicate that the steel arranged by the contractor does not conform to the Specifications, the same shall stand rejected, and it shall be removed from the site of work by the contractor at his own cost within a week time of written orders from the Engineer in Charge to do so.~~

~~2.5 The steel reinforcement bars shall be stored by the contractor at site of work in such a way as to prevent distortion and corrosion and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.~~

~~2.6 For checking nominal mass, tensile strength, bend test, re-bend test, etc. specimen of sufficient length shall be cut from each size of the bar at random at frequency not less than that specified below:~~

Size of bar	For consignment below 100 tons	For consignment over 100 tons
Under 10 mm dia. bars	One sample for each 25 tons or part thereof	One sample for each 40 tons or part thereof
10 mm to 16 mm dia. bars	One sample for each 35 tons or part thereof	One sample for each 45 tons or part thereof
Over 16 mm dia. bars	One sample for each 45 tons or part thereof	One sample for each 50 tons or part thereof

~~2.7 The contractor shall supply free of charge the steel required for testing including its transportation to testing laboratories. All expenditure to be incurred for testing e.g. sampling, packing, transportation, loading, unloading etc. including testing charges shall be borne by the contractor, irrespective of the report of test results whether it confirms to the requirement or fails.~~

~~2.8 The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 38 of the contract and shall be governed by conditions laid therein. In case the consumption is less than theoretical consumption including permissible variations, recovery at the rate so prescribed shall be made. In case of excess consumption, no adjustment needs to be made.~~

~~2.9 The Steel brought to site and remaining unused shall not be removed from site without the written permission of Engineer in Charge.~~

3. Removal of rejected material from site

The following procedure should be followed in case of removal of rejected/sub- standard materials from the site of work.

- 3.1 Whenever any material brought by the contractor to the site of work is rejected, entry thereof should invariably be made in the site order book under the signature of the AE/AEE giving approximate quantity of such materials.
- 3.2 As soon as the material is removed, a certificate to that effect may be recorded by the AE/AEE against the original entry, giving the date of removal and mode of removal i.e. whether by truck, carts or by manual labour. If removal is by truck, the registration number of the truck should be recorded.
- 3.3 When it is not possible for the AE/AEE to be present at the site of work at the time of actual removal of the rejected / sub-standard materials from the site the required certificate should be recorded by the Junior Engineer and the AE/AEE should countersign the certificate recorded by the Junior Engineer.

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LIST OF PREFERRED MAKES OF MATERIALS FOR CIVIL WORKS

Approved makes of materials to be used in the work areas under. In case of non-availability of these makes, the Engineer-in-charge may allow use of alternative BIS makes of materials in the work. Non-BIS marked materials maybe permitted by the Engineer-in-charge if BIS make is not available

LIST OF PREFERRED MAKE		
Sr. No.	Name of Product/ Material	Preferred Brand Names
1	ORDINARY PORTLAND CEMENT (GREY) (43 GRADE)	ACC, ULTRATECH, VIKRAM, SHREE CEMENT, AMBUJA, JAYPEE CEMENT & J.K. CEMENT.
2	PORTLAND POZZOLONA CEMENT	ACC, ULTRATECH, VIKRAM, SHREE CEMENT, AMBUJA, JAYPEE CEMENT & J.K. CEMENT.
3	WHITE CEMENT	J.K. CEMENT LTD., BIRLA WHITE, ULTRATECH CEMENT LIMITED.
4	REINFORCEMENT STEEL	SAIL, TATA STEEL LTD., RINL, JSW STEEL LTD, JINDAL STEEL & POWER LTD.
5	ADMIXTURES	SIKA, FOSROC, BASF
6	WATER PROOFING COMPOUND	FOSROC, KRYTON, PIDLITE, SIKA, ASIAN PAINTS SMARTCARE, BASF, MYK LATICRETE, PENETRON
7	AUTOCLAVED AERATED BLOCKS	JINDAL, BIRLA AEROCON, ECO GREEN, FINECRETE, J.K. LAKSHMI CEMENT LTD.,
8	POLYMER MODIFIED ADHESIVE FOR AAC BLOCKS	MYK LATICRETE, FERROUS CRETE, ARDEX ENDURA, ULTRATECH, SIKA.
9	FACTORY MADE PANELLED & WIRE GAUGE WOODEN DOOR/ WINDOW SHUTTERS.	M/S JAIN WOOD INDUSTRIES, MERINO, KITPLY, JAYNA
10	FLUSH DOOR SHUTTERS	MERINO, CENTURY PLY, GREEN PLY, ARCHID PLY, GREENLAM, JAIN DOORS PVT LTD, JAYNA
11	BLOCK BOARD	MERINO, MINIMAX, ARCHIDPLY, GREENLAM, CENTURY.
12	LAMINATES	MERINO, ARCHIDPLY, CENTURY LAMINATES, GREENLAM, ACTION TESA, KITPLY
13	PRE-LAMINATED PARTICLE BOARD	ARCHIDPLY, CENTURY PLY BOARDS, BALAJI ACTION BUILDWELL
14	PARTICLE BOARD (MEDIUM DENSITY)/ VENEERED PARTICLE BOARD	CENTURY PLY BOARDS (INDIAN) LTD., BALAJI ACTION BUILDWELL, EVERGREEN BOARDLAM, ECOBOARD INDUSTRIES LTD.
15	PRE-LAMINATED MEDIUM DENSITY FIBRE BOARD	CENTURY PLYBOARDS, GREEN PLY, BALAJI ACTIONBUILDWELL
16	OMS/ MS DOOR FITTINGS	ASHISH, AGGARWAL STEELS, DOOR DEVICES MANUFACTURING COMPANY, MANU ENGINEERING COMPANY, M.C. MOWJEE & CO., SHRI GANPATI, DOORS

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17	TOILET CUBICALS	GREELAM, MERINO, DORMA, PRAYAG
18	STAINLESS STEEL DOOR/ WINDOW HARDWARE FITTINGS (FIRE RATED AND NON-FIRE RATED)	DORMA, ASSA ABLOY, GEZE, D-LINE, KICH , GODREJ, HAFELE , PRAYAG' HETTICH
19	ANODISED/ ZINC ALLOY/ ALUMINIUM HARDWARE DOOR/ WINDOW FITTINGS	PULSE, SAVIO, HOPPE, ALUTECH, Classic, Ebco, HETTICH
20	FRP DOOR FRAMES & SHUTTERS	ASHISH INDUSTRIES, JAYNA, SAINIK (CENTURY PLYWOOD), SELECTED PRODUCTS CO., JAIN DOORS PVT. LTD.
21	uPVC WINDOWS/ DOORS	VEKA, FENESTA, ALUPLAST, YASHPOLY, ENCRAFT, KOEMMERLING, DUROPLAST
22	uPVC WINDOW/ DOOR HARDWARE FITTINGS	PULSE, HOPPE, GU, ROTO, YASHPOLY, GODREJ, KINLONG, PEGO
23	WINDOWS BLINDS	VISTA, MAC, HUNTER DOUGLAS, DE-DÉCOR
24	STRUCTURAL STEEL SUCH AS MS FLATS, SQ.BARS ANGLES ETC.	SAIL, TATA STEEL, RINL, JINDAL STEEL &POWERLTD. AND JSW STEEL LTD.
25	FIRE RATED DOORS (METTALIC/ NONMETTALIC)	KUTTY DOORS, NAVAIR, PROMAT, SYNERGY THRISLINGTON , TATA PRAVESH, JAIN DOORS PVT. LTD , BHAWANI FIRE (M/S BHAWANI FIRE PROTECTION PVT. LTD.) , ASES(AGNI SURAKSHA)
26	HOT-ROLLED STEEL SECTIONS FOR MSDOORS, WINDOWS AND VENTILATORS	NAV DURGA STEEL CORPN, CRM STEELS P. LTD, SHYAM ISPAT UDYOG, VIMAL, SHIV, APL APPOLO , SURYA
27	MILD STEEL DOOR, WINDOWS & VENTILATORS MANUFACTURERS	FRIENDS MANUFACTURING COMPANY, KOTKAPURA, PD INDUSTRIES, SHAKTI INDUSTRIES, STEELMAN INDUSTRIES, SKS STEEL INDUSTRIES, SHIVAM
28	PRESSED STEEL DOOR FRAMES MANUFACTURERS	KRISHNA STEEL FABRICATOR SIRSA, LAXMI STEEL WORKS BAHADURGARH, ASHISH INDUSTRIES GHAZIABAD, ASHWANI & SONS, SHRI GANPATI DOORS, APL APOLLO
29	HOLLOW STEEL SECTIONS	JINDAL INDUSTRIES HISAR, TATA STEEL, STEEL & METAL TUBES (INDIA) PVT. LTD. APL APOLLO
30	STEEL TUBES FOR STRUCTURAL STEEL	JINDAL INDUSTRIES HISAR, TATA STEEL, STEEL & METAL TUBES (INDIA) PVT. LTD. APL APOLLO, SURYA
31	DASH/ ANCHORING FASTENERS, BOLTS, SCREWS AND NUTS.	HILTI , FISCHER, CKW, ATUL, PRIYA, WUERTH

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32	STAINLESS STEEL RAILING	DORMA, KICH, OM STEEL , D-LINE.
33	CHEQUERRED PRE-CAST CC TILES	NTC, SWASTIK TILE, POOJA CONCRETE FABRICATORS, GTC. DALAL TILES
34	CERAMIC TILES	SOMANY, KAJARIA, ORIENTBELL, RAK, , VARMORA, JOHNSON, NITCO, AGL
35	VITRIFIED TILES	SOMANY, KAJARIA, ORIENTBELL, RAK, VARMORA, JOHNSON, NITCO, AGL
36	ADHESIVE/ GROUTING FOR USE WITH TILES	FERROUS CRETE, MYK LATICRETE, ARDEX EDURA, SIKKA, ASIAN, PAINTS SMARTCARE
37	WOODEN LAMINATE FLOORING	PERGO, KRONOTEX, FLORENCE, UNITEX, ACTION TESA
38	UNPLASTICISED RIGID PVC PIPE & FITTINGS	SUPREME, FINOLEX, PRINCE, KISAN, DIPLAST, PRAYAG, ASTRAL
39	GALVANISED STEEL SHEETS (UNCOATED & PRE-COATED)	SAIL, TATA, JINDAL, NCL
40	ROOFING SHEETS (GALVALUME)	CRIL, LLOYDS, INTERACH, MULTICOLOR, BHUSHAN POWER STEEL, TATA
41	FALSE CEILING- GYPSUM/ GRG(GLASS REINFORCED GYPSUM)	Gyproc (SAINTGOBAIN), Gypcore, USG BORAL, LLYOD, DIAMOND CEILING
42	FALSE CEILING- METAL	ARMSTRONG, DEXUNE, SAINT GOBAIN, HUNTER DOUGLAS, GYPTECH, Hi-STEEL
43	FALSE CEILING- CALCIUM SILICATE	HILUX, AEROLITE, USG BORAL,
44	FALSE CEILING-MINERAL FIBRE	ARMSTRONG, DEIKEN, DEXUNE, SAINT GOBAIN, PROLAD,
45	ACCOUSTIC: GLASS / WOODEN FIBRE FALSE CEILING AND WOODEN/ FABRIC WALL LINING	ARMSTRONG, DEXUNE, ACCOUSTIBLOK, HIMALYAN ACOUSTICS, ANUTONE, GYPTECH, PROLAD
46	FALSE CEILING-ALUMINIUM POWDER COATED	ARMSTRONG, DEXUNE, SAINT GOBAIN, HUNTERDOUGLAS, Hi-STEEL
47	LIGHT WEIGHT GYPSUM PLASTER	SAINT GOBAIN, ULTRATECH, FERROUS CRETE, USG BORAL.
48	OIL BOUND DISTEMPER/ ACRYLIC DISTEMPER *	NEROLAC ACRYLIC DISTEMPER, TRACTOR ACRYLIC DISTEMPER (ASIAN PAINTS) , MAXILITE ACRYLIC DISTEMPER (ICI), BISON ACRYLICDISTEMPER (BERGER).
49	INTERIOR EMULSION/ PLASTIC EMULSION*	DULUX ACRYLIC EMULSION/ SOLITAIRE A-1000 (ICI), APCOLITE PREMIUM EMULSION (ASIAN), BEAUTY GOLD (NEROLAC), SILK (BERGER)
50	ACRYLIC SMOOTH EXTERIOR PAINT*	APEX ULTIMA (ASIAN), DULUX WEATHERSHEILD MAX (ICI), EXCEL (NEROLAC), WEATHERCOAT ALL GUARD (BERGER)
51	DRY DISTEMPER*	NEROLAC, BERGER, ASIAN PAINTS, ICI, JENSON & NICHOLSON (J&N)

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52	TEXTURED EXTERIOR PAINT*	NEROLAC, BERGER, ASIAN PAINTS, ICI
53	SYNTHETIC ENAMEL PAINTS*	DULUX HI-GLOSS (ICI), APCOLITE PREMIUM GLOSS (ASIAN), NEROLAC HIGH GLOSS (NEROLAC), LUXOL HI-GLOSS (BERGER)
54	WOOD PRIMER*	NEROLAC, BERGER, ASIAN PAINTS, ICI
55	STEEL PRIMER*	NEROLAC, BERGER, ASIAN PAINTS, ICI
56	EXTERIOR WALL PRIMER*	EXTERIOR NEROLAC PRIMER, EXTERIOR BERGER PRIMER, EXTERIOR ASIAN PAINTS PRIMER, EXTERIOR ICI PRIMER
57	WALL PUTTY (WHITE CEMENT BASED)	ASIAN PAINTS, BIRLA WALL CARE, JK WHITE, SARA WALL PUTTY
58	POLYMER MODIFIED SELF CURING PLASTER	MYK LATICRETE, FERROUS CRETE, ARDEX ENDURA, ULTRATECH
59	PAVER/ GRASS PAVER BLOCKS & KERB STONES	NATIONAL TILES CORPORATION, SARAL IMPEX, BALAJI TILES, METRO PAVERS, MGM INFRA, KRISHNA TILES, POOJA CONCRETE FABRICATORS, GIAN NIRMAN LIMITED, A-1 TILES, DALAL TILES
60	VITREOUS CHINA SANITARY WARE	JAQUAR, KOHLER, HINDWARE, CERA, PARRYWARE,
61	WHITE VITREOUS CHINA UNDER COUNTER RECTANGULAR BASIN	JAQUAR, KOHLER, HINDWARE, CERA, PARRYWARE
62	PLASTIC FLUSHING CISTERN FOR WC AND URINALS	JINDAL, STEEL BIRD, SEEMLINE, VIKRAM PLASTIC, PRAYAG POLYMERS (P) LTD.
63	PLASTIC SEAT COVER OF W.C.	AJANTA POLYMERS, JINDAL MALPINE, JAIN POLYMERS, PRAYAG
64	STAINLESS STEEL SINK	ALLEX, JAYNA, JMD INTERNATIONAL, STEEL CRAFT, SILVER SHINE (M/S BLUESTAR SANITARY INDUSTRIES PVT. LTD), KINGSTON, PRAYAG
65	MIRROR GLASS	ATUL, MODIGUARD, GOLDEN FISH, PRAYAG
66	CENTRIFUGALLY CAST (SPUN) IRON PIPES AND FITTINGS	NECO, BENGAL IRON, DURGAPUR ISPAT UDYOG, SINGHAL IRON FOUNDRY (SKF), KAPILANSH DHATU UDYOG PVT. LTD., RPF, HIF.
67	HUBLESS CENTRIFUGALLY CAST (SPUN) IRON PIPES	NECO, RAJ PATTERN MAKERS & FOUNDERS, SINGHAL IRON FOUNDRY (SKF).
68	CP FITTINGS & ACCESSORIES	CERA, JAQUAR, HINDWARE, HINDWARE, PARRYWARE
69	BRASS STOP & BIB COCK	DHAWAN SANITARY UDYOG, JAINKO, SHAKTI, VARDHMAN INDIA PRODUCTS, PRAYAG
70	FERRULES FOR WATER SUPPLY	HIND METAL WORKS, KRITIKA, DRP, SHAKTI

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71	BALL COCK WITH ROD	RESP FAUCET INDUSTRIES, DHAWAN SANITARY UDYOG, NEW METAL WORKS, KPR, PRAYAG.
72	POLYETHYLENE WATER STORAGE TANK	SINTEX, VECTUS, KAVERI, PRAYAG
73	STONEWARE PIPES & GULLY TRAPS	SORKHI INDUSTRIES, RK INDUSTRIES, NAVNEET, MOLI CERAMICS, OCR, ANAND
74	PRE-CAST CONCRETE PIPES (NON- PRESSURE)	RAMNIK, BFSP, JAGDAMBHEY SPUN PIPE, GURKIRPASPUN PIPES
75	GI PIPE	JINDAL (HISSAR), TATA, BST, BHUSHAN POWER STEEL , APL APOLLO
76	GI FITTINGS	UNIK, AVR, ZOLOTO, SANT, HBI, C-BRAND, NVR
77	C-PVC PIPE	PRINCE, JINDAL (FLOWKEM), ASTRAL, AJAY POLYMERS, SUPREME, FINOLEX, JAIN PIPES, PRAYAG
78	WATER METER	CRESCENT, PRINCE, FEDREL, DASHMESH, NBESON, SANT
79	GUN METAL GATE, GLOBE, CHECK VALVES & NON-RETURN VALVES	LEADER, ZOLOTO, SANT, RAJAN METAL INDUSTRIES, SIR, H.B. METALS, HVI, NVR.
80	CENTRIFUGALLY CAST (SPUN) IRON PIPES (CLASS LA).	TRU FORM ENGINEERS, KAPILANSH, ELECTROSTEEL, HITECH METAL CASTINGS.
81	C.I. SLUICE VALVES & REFLEX VALVES	ZOLOTO INDUSTRIES, SANT VALVES, AMCO INDUSTRIES, KIRLOSKAR, SIR, RATAN INDUSTRIAL CORPORATION, HVI, NVR.
82	STAINLESS STEEL PIPES & FITTINGS	JINDAL STAINLESS STEEL, OM STEEL GROUP, V STEEL, VIEGA, RAMPART INDIA PVT. LTD., J- PRESS
83	DUCTILE IRON PIPES & FITTINGS	JINDAL SAW LTD, ELECTRO STEEL, CHANDRANCHAL INFRA, ELECTROTHERAM
84	C.I./ D.I. MANHOLE COVERS & FRAMES	SWASTIKA ENTERPRISES, BENGAL IRON CORPORATION, NECO, BINAY UDYOG, CHANDERANCHAL
85	WATER REPELLANT SILANE CHEMICAL	PIDILITE, FERROUS CRETE, ARDEX ENDURA, ASIANPAINTS SMARTCARE
86	CORROSION INHIBITORS, MICRO CONCRETE AND MORTAR, CARBON FIBER WRAP, REHABILITATION & RETRO FITTING PRODUCTS.	FOSROC, SIKA, BASF, ASIAN PAINTS SMARTCARE
86	ALUMINIUM SECTIONS DOORS / WINDOWS	HINDALCO, JINDAL, INDIAN ALUMINIUM CO. LUMANI
87	BASIC/ TOUGHENED ETC. GLASS	SAINT GOBAIN, ASAHI, MODI, GOLD PLUS GLASS, PILINGTON, AIS
88	FAÇADE GLASS OPENABLE FITTINGS	ALUALPHA, SAVIO, HOPPE, ALUTECH

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89	GLASS FAÇADE/ GLASS CANOPY WITH SS SPIDER FITTINGS	ALCOB, ALUPRO, ALUPLAX, SP FABRICATORS, SAINT GOBAIN, GLAVERBEL.
90	FRAMELESS GLAZING WITH SS PATCH FITTINGS	DORMA, ASSA ABLOY, GEZE, D-LINE, KICH
91	ALUMINIUM COMPOSITE PANEL	ALUCOBOND, VIRGO, ALUDECOR
92	HIGH PRESSURE LAMINATE	VIRGO, MERINO, GREENLAM
93	MODULAR FURNITURE (FACTORY MADE)	GODREJ, DURIAN, FEATHERLITE, STEELCASE, HERMANMILLER, HAWORTH
94	READY MIX PLASTER	KERAKOLL, ARDEX ENDURA, FERROUS CRETE
95	Epoxy paint	Asian Paints, STP Ltd., Nerolac, Berger, ICI,
96	Premium acrylic emulsion paints (Interior)	Asian Paints: (Royale Luxury Emulsion), Garware, Nerolac: Impression, Berger: Silk & ICI Dulux: Velvet Touch
97	Textured exterior paint	Asian Paints, Nerolac, Garware, Berger Paints, Ultratech Paints & Luxture
98	Premium acrylic smooth exterior paint with silicon additive	Asian Paints: Apex Ultima, Nerolac: XL total, Garware, Berger: Weather Coat all Guard & ICI Dulux: Weather Shield Max
99	Polycarbonate sheet	DUNPAL, GE plastic, LEXAN & MG Polyplast, DPI Daylighting.
100	Solid PVC door frames and shutters	Polyline, Sintex, Plasto Green, Duroplast and Rajshri plastiwood
101	FROSTED FILM	GARWERE

Schedule of quantities

Name of work : Overhauling, servicing and change of media of water treatment plants at swimming pool at IISER Kolkata at Mohanpur.

A. SWIMMING POOL FILTRATION SYSTEM

Sl. No.	Description of Item	Quantity	Unit	Rate	Amount (Rs.)
	01. PRESSURE SAND FILTER 3 SETS Size: Dia 1050 mm × HOS 2300 mm Existing FRP Filter				
1	Supplying of Quartz Silex 4/8 graded filter media of approved quality at the existing pressure sand filter unit.	240	kg	21.75	5,220.00
2	Supplying of Fine Silex 16/32 graded filter media of approved quality at the existing pressure sand filter unit.	240	kg	21.75	5,220.00
3	Supplying of Gravels $\frac{1}{4}$ – $\frac{3}{4}$ graded support filter media of approved quality at the existing pressure sand filter unit.	800	kg	10.875	8,700.00
4	Supplying of Pebbles 10/20 graded support filter media of approved quality at the existing pressure sand filter unit.	560	kg	10.875	6,090.00
5	Supplying of Pebbles $\frac{3}{4}$ – $\frac{1}{2}$ graded support filter media of approved quality at the existing pressure sand filter unit.	800	kg	10.875	8,700.00
6	Supplying of Sand 16/32 graded filter media of approved quality at the existing pressure sand filter unit.	400	kg	10.875	4,350.00
7	Supplying of Sand 8/4 graded filter media of approved quality at the existing pressure sand filter unit.	400	kg	10.875	4,350.00
8	Service charges for filling different sizes filter media in layer by layer in filter vessel including taking out the fittings/accessories part by part of filtration unit, replacement the old media by new media, reassembling, refitting, refixing and rehanging the same in proper position with new nuts and bolts and gasket etc., disposal of rubbish/debrish as directed, within a lead of 50 m from the work site, including the cost of nuts and bolts, washer and gaskets, loading, unloading and carriage of material etc. all complete as per the direction of Engineer-in-charge.	1	job	44,963.90	38,105.00

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9	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade over a coat of approved steel primer of approved brand and manufacture including scrapping and sand papering and preparing the surface smooth etc. all complete.	5	ltr	870.00	4,350.00
10	Supplying and fixing of 40 NB Diapharm valve with flange of approved quality and make for the pressure sand filter unit.	4	each	5,800.00	23,200.00
11	Supplying and fixing of PP strainer, push type of approved quality for the pressure sand filter unit.	12	each	82.00	984.00
Sub head A Total Rs.					1,09,269.00

B. EXISTING IRON REMOVAL PLANT

Sl. No.	Description of Item	Quantity	Unit	Rate	Amount (Rs.)
	01. OXIDIZATION CHAMBER 1 Set Size: Dia 600 mm × HOS 675 mm Existing MS Filter				
1	Supplying of MNO ₂ (Food Graded) filter media of approved quality for existing oxidization chamber.	200	kg	66.60	13,320.00
	02. FOR IRON REMOVAL FILTER 1 Set Size: Dia 1650 mm × HOS 1500 mm Existing MS Filter				
2	Supplying of Treated Green Sand filter media of approved quality at the existing iron removal plant.	200	kg	103.60	20,720.00
3	Supplying of Quartz Silex 4/8" graded filter media of approved quality at the existing iron removal plant.	100	kg	44.40	4,440.00
4	Supplying of Fine Silex 8/16" graded filter filter media of approved quality at the existing iron removal plant.	100	kg	44.40	4,440.00
5	Supplying of Filter Sand 16/32" graded filter media of approved quality at the existing iron removal plant.	800	kg	22.20	17,760.00
6	Supplying of filter gravels 1" × 3/4" graded support media of approved quality at the existing iron removal plant.	400	kg	22.20	8,880.00
7	Supplying of filter gravels 1/4" × 3/4" graded support media of approved quality at the existing iron removal plant.	400	kg	22.20	8,880.00
8	Supplying of filter Pebbles 1/2" × 1/4" graded support media of approved quality at the existing iron removal plant.	400	kg	22.20	8,880.00

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9	Supplying of filter Sand 8/4 graded support media of approved quality at the existing iron removal plant.	400	kg	22.20	8,880.00
10	Supplying, fitting and fixing of nuts and bolts and gaskets (1 mx1 m) including taking out of damage nuts and bolts and gaskets, reassembling, refitting, refixing and rehanging the same in proper position with new nuts and bolts and gasket etc., disposal of rubbish/debrish as directed, with in a lead of 50 m from the work site, including loading, unloading and carriage of material etc. all complete as per the direction of Engineer-in-charge.	5	kg	1,554.00	7,770.00
11	Supplying and fixing of 65 mm Butterfly valve of approved quality and make for existing Iron removal plant including taking out of old Butterfly Valve and replacement the same by new valve etc. all complete as per the direction of Engineer-in-charge.	2	each	9,620.00	19,240.00
03. FOR MULTIGRADE FILTER 1 Set Size: Dia 1950 mm × HOS 1800 mm Existing MS Filter					
12	Supplying of Quartz Silex 4/8" graded filter media of approved quality at the existing iron removal plant.	200	kg	44.40	8,880.00
13	Supplying of Fine Silex 8/16" graded filter filter media of approved quality at the existing iron removal plant.	100	kg	44.40	4,440.00
14	Supplying of Filter Sand 16/32" graded filter media of approved quality at the existing iron removal plant.	800	kg	22.20	17,760.00
15	Supplying of filter gravels 1" × 3/4" graded support media of approved quality at the existing iron removal plant.	400	kg	22.20	8,880.00
16	Supplying of filter gravels 1/4" × 3/4" graded support media of approved quality at the existing iron removal plant.	400	kg	22.20	8,880.00
17	Supplying of filter Pebbles 1/2" × 1/4" graded support media of approved quality at the existing iron removal plant.	400	kg	22.20	8,880.00
18	Supplying of filter Sand 8/4 graded support media of approved quality at the existing iron removal plant.	500	kg	22.20	11,100.00

NOTICE INVITING TENDER



19	Supplying, fitting and fixing of nuts and bolts and gaskets including taking out of damage nuts and bolts and gaskets (1 m x 1 m), reassembling, refitting, refixing and rehangng the same in proper position with new nuts and bolts and gasket etc., disposal of rubbish/debrish as directed, with in a lead of 50 m from the work site, including loading, unloading and carriage of material etc. all complete as per the direction of Engineer-in-charge.	5	kg	1,554.00	7,770.00
20	Service charges for filling different sizes filter media in layer by layer in filter vessel including taking out the fittings/accessories part by part of filtration unit, replacement the old media by new media, reassembling, refitting, refixing and rehangng the same in proper position with new nuts and bolts and gasket etc., disposal of rubbish/debrish as directed, with in a lead of 50 m from the work site, including the cost of nuts and bolts, washer and gaskets, loading, unloading and carriage of material, necessary welding work for repairing of leakage in the plant/system including grinding finish etc. all complete as per the direction of Engineer-in-charge.	1	job	34,790.00	34,790.00
21	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade over a coat of approved steel primer of approved brand and manufacture including scrapping and sand papering and preparing the surface smooth etc. all complete.	17	ltr	870.00	14,790.00
					2,49,380.00

PRICE SUMMARY

Particulars	Amount (Rs.)
A. Swimming Pool Filtration System – Basic Value	1,09,269.00
B. Existing Iron Removal Plant – Basic Value	2,49,380.00
Total basic Value (excluding GST)	3,58,649.00
Total GST @ 18%	64,556.82
Grand Total including GST	4,23,205.82
Total after round off	4,23,206.00