

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

Notice Inviting e-Tender

**NIT NO- 13/EE/MUMBAI-V/CE/MUMBAI-II/2025-26
(CE NIT No.07/CE(MUMBAI)-II/2025-26)**

The Executive Engineer, Mumbai-V, CPWD, Mumbai-20 invites on behalf of the President of India online percentage rate in single bid from approved and eligible contractors of CPWD enlisted in appropriate class for the following work

Name of Work: Renovation of NABARD premises at Sterling Center 1st and 7th floor, Worli, Mumbai.

**Estimated Cost: - Rs.6,84,43,976/- (Civil: Rs.3,55,14,956/- +
Electrical: Rs. 3,29,29,020/-)**

Earnest Money: - Rs. 13,68,880/-

Period of Completion: - 06 (Six) Months

Last date and Time of Submission of Bid: - 01/11/2025 Up to 3.00 P.M.

**The bid forms and other details can be obtained from the website
www.etender.cpwd@gov.in or <https://eprocure.gov.in/> or www.cpwd.gov.in**

Note: Applicants are advised to keep visiting the above-mentioned web-sites from time to time (till the deadline for bid submission) for any updates in respect of the tender documents, if any. Failure to do so shall not absolve the applicant of his liabilities to submit the applications complete in all respect including updated thereof, if any. An incomplete application may be liable for rejection.

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Assistant Engineer (E)
O/o. CE (Mumbai-II),CPWD

Assistant Engineer (C)
O/o. CE (Mumbai-II),CPWD

Executive Engineer (P)
O/o. CE (Mumbai-II),CPWD

Approved

**Chief Engineer,(Mumbai)- II,
CPWD, Mumbai – 400020.**

PART ‘A’ GENERAL

**INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR E-TENDERING FORMING
PART OF BID DOCUMENT**

(Applicable for inviting open bids)

The **Executive Engineer, Mumbai-V, CPWD, 3rd Floor, Nistha Bhawan, New Marine Lines, Mumbai-20**, (Phone Number 022-20823036, email ID ee-mumbai5@gmail.com) on behalf of the President of India invites, online Percentage rate in single bid from approved and eligible Contractor of CPWD in appropriate class for the following work: -

1	NIT NO.	13/EE/MUMBAI-V/CE/MUMBAI-II/2025-26 CE NIT No. 07/CE/MUMBAI-II/2025-26
2	Name of work and Location	Renovation of NABARD premises at Sterling Center 1st and 7th floor, Worli, Mumbai.
3	Estimated cost put to bid (Rs.)	Total - Rs.6,84,43,976/- Civil – Rs.3,55,14,956/- Electrical – Rs.3,29,29,020/-)
4	Earnest Money	Rs. 13,68,880/-
5	Stipulated period of Completion of work (in months)	06 (Six) Months
6	Last date & time of online submission of bid, copy of receipt or deposition of original EMD and other document as specified in the bid document	Up to 03.00 PM on 01/11/2025
7	Date & Time of opening of bid	On 01/11/2025 at 03.30 PM

* To be Filled by the Engineer in Charge.

1. 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.
2. Information and Instructions for bidders posted on website shall form part of bid document.
3. The bid document consisting of plans, specifications, 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 can be seen and downloaded from website <https://etender.cpwd.gov.in/> free of cost.
4. But the bid can only be submitted after **deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission** and uploading the mandatory scanned documents such as Insurance Surety Bonds, Account Payee Demand draft or Banker's Cheque or Fixed Deposit

Receipts or/ and Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank towards EMD in favour of Executive Engineer as mentioned in NIT, receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE/ AE), CPWD and other documents as specified.

5. Those contractors not registered on the Website mentioned above, are required to get registered beforehand. If needed, they can be imparted training on online bidding process as per details available on the website. <https://etender.cpwd.gov.in>
6. The intending bidder must have valid class-III digital signature certificate with encryption by (combo type) to perform any operations/transactions on the e-tendering portal/website and the bidder should download and install the eMsigner on their system as per instruction available on download section of <https://etender.cpwd.gov.in>.
7. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
8. Contractor can upload documents in the form of **JPG** format and **PDF** format.
9. Bidder should ensure that the document uploaded is legible and full documents page is properly scanned.
10. Contractor must ensure to quote his percentage rate (above/below) in the attached schedules. However, if a tenderer does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
11. Contractor must ensure to quote percentage rate basis. The column meant for quoting rate in figures **appears in pink / yellow colour and the moment percentage rate is entered; it turns sky blue.**
In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as “0”. Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as “0” (**ZERO**).
However, 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 / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
12. 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.
13. **The enlisted contractor will not be allowed to participate in tendering process without uploading the certificate of ERP training issued through LMS (Learning Management System) in ERP.**

14. The bid submitted shall become invalid and e-tender processing fee shall not be refunded if:
 - i) The bidder is found ineligible.
 - ii) The bidder does not upload the scan copies of all the documents stipulated in 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/sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

15. List of Documents to be filled by the bidders in various forms to be scanned and uploaded within the period of bid submission:
 - i. **Copy of receipt** for deposition of original EMD issued by Officer (EE/DDH) with whom EMD has been deposited
 - ii. **Earnest money** in the form Insurance Surety Bond, Demand Draft/ Account Payee Banker's Cheque/ Fixed Deposit Receipt/ Bank Guarantee/ of any Commercial Bank against EMD (drawn in favour of **Executive Engineer, MCD-VI, CPWD, Mumbai-20**).
 - iii. **Enlistment Order** of the Contractor of CPWD in appropriate Class & Category.
 - iv. Valid **Electrical Contractor License** or an Undertaking that they will either obtain valid Electrical License at the time of execution of electrical work or associate contractors having valid electrical license of appropriate class.
 - v. **GST Registration Certificate of Maharashtra State**, if already obtained by the bidder.

 If the bidder has not obtained GST registration certificate of **Maharashtra State** or as required by GST authorities, then bidder shall scan and upload following undertaking along with bid documents.

 "If work is awarded to me, I/we shall obtain GST registration certificate, of Maharashtra State or required by GST authorities, within one month from the date of receipt of award letter or before release of any payment by CPWD, whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due towards me/us on account of the work executed and/or for any action taken by CPWD or GST department in this regard.
 - vi. **Undertaking on Structural Stability and Soundness** as per prescribed format Form 'F-1 (Registration of Firm/ Company which is more than 25 years old)' or Form 'F-2 (Registration of Firm/ Company which is less than 25 years old) on a **Non-Judicial Stamp Paper of Rs. 200/-**.
 - vii. **ERP (Enterprise Resource Planning) Training Certificate in the name of the Proprietor/ Agency/ Authorised representative issued through LMS (Learning Management System) by the Competent Authority of CPWD.**
 - viii. **Undertaking for Associating Specialized agencies (As per Proforma attached).**

16. Site Conditions:

1. **The working hours for the execution of work shall be as under:**
 - i. **6 PM to 8 AM on week days i.e. from Monday to Saturday.**
 - ii. **Normal working hours on Sunday.**

The bidder should take note of the above timings of execution of work before quoting his bid and should arrange the labour & other requirements accordingly & nothing shall be paid extra in this regard.
2. The bidder should follow the security restrictions and rules of the Society of Sterling Centre building during execution of work and he should abide by the same.
3. The bidder should coordinate with the In-charge of the Society of the building, NABARD and CPWD officials during execution of work to avoid dispute during execution of work.
4. The bidder should issue Identity cards to their workers before deploying for execution due to security purpose for getting permission and gate pass.
5. The bidder should clear the debris of the Construction during execution timely and that should not affect the routine of the users of the building.
6. The bidder should take care about the noise level during execution of work to avoid inconvenience the nearby residents.
7. The bidder should not use lift for handling material and labours.
8. Any damages caused inside the building, other than execution place, by the labours shall be the responsibility of the bidder.
9. The bidder should carry out the work as per Architectural drawings issued by the CPWD before execution of the work in phase manner.
10. **The Bidder shall engage a Registered Architect of the BMC / MCGM for uploading & vetting of all the Architectural Drawings, Layout, Sections, Elevations etc. in respect of the proposed renovation of NABARD office at 1st and 7th floor of Stirling Centre. from BMC / MCGM. Nothing extra shall be paid to contractor in this regard. The Drawings will be provided to the contractor by the Department / Client. Any Processing charges / Approval charges demanded by the BMC / MCGM paid by the contractor will be reimbursed to contractor by Department on production of original challan/receipt. The Contractor will have to pursue / liason with the BMC / MCGM authorities for getting the approval / vetting of the drawings and nothing shall be paid extra in this regard.**
11. The bidder should place order for Dead stock items in advance so that the work can be completed in time.

Note:

1. **The lowest bidder shall submit self-attested documents as uploaded withing 7 days of the date of opening of Price bid. In case of failure to submit the said documents within 7 days after notification by email, then it shall make the contractor liable for forfeiture of the EMD.**
2. **No cutting/over writing shall be allowed in Treasury Challan/Demand, Draft/Pay order of Banker's Cheque/ Deposit at Receipt /Bank Guarantee of any scheduled Bank. If found so, their bid will be rejected.**

CPWD-6 FOR e-Tendering

Percentage rate bids in single bid are invited on behalf of President of India from approved and eligible Contractors of CPWD in appropriate Class for the following work: “**Renovation of NABARD premises at Sterling Center 1st and 7th floor, Worli, Mumbai.**”.

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. The work is estimated to cost **Rs.6,84,43,976/- (Civil: Rs.3,55,14,956/- + Electrical: Rs. 3,29,29,020/-)** This estimate, however, is given merely as a rough guide.
- 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 the bidders, besides indicating the percentage above/below the combined estimated cost put to bid, should also indicate the amount in word for each component separately. The eligibility of bidder will correspond to the combined estimated cost of different components put to bid.
2. Agreement shall be drawn with the successful bidders on prescribed Form No. **CPWD 7 updated upto date of correction slip** which is available as a Govt. of India Publication and also available on website **www.cpwd.gov.in**. Bidders shall quote his rates i/c GST and other applicable taxes. as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **06 (Six) months** 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 shall be made available
or
~~The site for the work shall be made available in the parts as specified Schedule 'F'.~~

ii. ~~The Architectural and Structural drawings for the work available~~
or
The Architectural and Structural drawings, if any, 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 document consisting of plans, specifications, 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 website <https://etender.cpwd.gov.in> or www.cpwd.gov.in and eprocure.gov.in **free of cost.**
6. After submission of the bid the contractor can re-submit revised bid any number of times or withdraw it before last date and time of submission of bid as notified. No post-tender modification is allowed by the tenderers except through negotiations, if required. In case, any bidder does so, the tender will be rejected and the bidder will be debarred for future tendering in CPWD for two years by the concerned enlisting authority (in case of CPWD enlisted contractor) and by the concerned CE/SE (in case of non-enlisted contractor)
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. Earnest Money in the form of 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 Commercial Banks (drawn in favour of **Executive Engineer, MCD-VI, CPWD, Mumbai**) shall be scanned and uploaded to the e-Tendering website within the period of bid submission. The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE/DDH) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs.20 lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any scheduled bank having validity for six months or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

The 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 e-Tender notice shall be scanned and uploaded to the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents

as specified in press notice shall have to be submitted by the lowest bidder only along with physical EMD of the scanned copy of EMD uploaded 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 with any division of CPWD and other documents scanned and uploaded are found in order.

- 9A. ~~The contractors registered prior to 01-04-2017 on e-tendering portal of CPWD shall have to deposit tender processing fee at existing rates, or they have option to switch over to the new registration system without tender processing fee any time.~~

The bid submitted shall be opened at 03.30 PM on 01/11/2025

10. The bid submitted shall become invalid and e-Tender processing fee shall not be refunded if:
- (i) The bidder is found ineligible.
 - (ii) The bidder does not upload 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 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/sub head 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: “Renovation of NABARD premises at Sterling Center 1st and 7th floor, Worli, Mumbai.”.**

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 bidders 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 bidders 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 President of India 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 President of India 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 gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. 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 bid 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 within 7 days after last date and time (24 hours basis) 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 after expiry of 7 days after last date and time (24 hours basis) 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) Withdrawal of the tender, by the tenderer shall only be made through e-Tender portal. Any other method i.e. through letter/e-mail etc. shall not be considered. The tender inviting authority gets intimation through SMS and email in this regard.
 - iv) 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 bidders/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** 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 the composite bid.

20.1.2 The bid document will include following Four components:

Part A: - CPWD-6, CPWD-7 including schedule A to F for the major component & Minor Component of the work, General Conditions of Contract, **Maintenance Works 2023** as amended/ modified up to last date of submission of bid.

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

Part C: - General/specific conditions, specifications and schedule of quantities applicable to minor component(s) of the work.

Part D: - Price Bid

20.1.3 The bidder must associate himself, with agencies of the appropriate class eligible to bid for each of the minor component individually.

20.1.4 The eligible bidder 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 President of India. 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 component(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** along with **Part A** of the agreement.

20.1.5 (A) In case there is no minor component, the Part C shall not be there in the document. If there are more than one minor component, EE/DDH in charge of those minor component(s) shall operate the relevant part (Part C1, Part C2 etc.) along with Part A of the agreement. In that case, Part C will be read as Part C1, Part C2 etc.

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 worked out separately for each component corresponding to the estimated cost of the respective component of works.

- 20.1.8 The main contractor has to associate agency(s) for minor component(s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency(s) to Engineer-in-charge of minor component(s) within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer-in-charge of minor 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 minor component. 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 agreement with contractor(s) associated by him for execution of minor component(s). Copy of such agreement shall be submitted to EE/DDH in charge of each minor component as well as to EE in charge of major component. In case of change of associate contractor, the main contractor has to enter into 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~~/EMB shall be maintained independently by Engineer-in Charge of major and minor components.
- 20.1.12 (A) 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.
- (B) 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 Number –022- 20823036, email id: eemumbai5@gmail.com) 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.

*To be filled in by NIT approving authority

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

Percentage Rate Tender & Contract for Works

Tender for the work of: - “Renovation of NABARD premises at Sterling Center 1st and 7th floor, Worli, Mumbai.”.

- (i) To be uploaded by **03.00 PM.** on **01/11/2025** to/upload at <https://etender.cpwd.gov.in/>
- (ii) To be opened in presence of tenderers who may be present at **03.30 PM** on **01/11/2025** in the office of **Executive Engineer, Mumbai-V, CPWD, Mumbai – 20.**

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 President of India within the time specified in Schedule ‘F’ viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing 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 respect of accordance with, such conditions so far as applicable.

We agree to keep the tender open for Thirty (30) days from the due date of its opening and not to make any modification in its terms and 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 Insurance Surety Bond, 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 the case may be). If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India 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 President of India 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 works 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 CPWD 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 therefrom 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 of the State.

Dated

Signature of Contractor

Witness:

Postal Address

Address:

Occupation:

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 President of India 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 President of India

Signature

Designation

Dated:

(Guarantee offered by Bank to CPWD in connection with the execution of contracts)

Form of Bank Guarantee for Earnest Money Deposit /performance Guarantee/Security Deposit/Mobilization Advance

1. Whereas the Executive Engineer..... (name of division)....., CPWD on behalf of the President of India (hereinafter called "The Government") has invited bids under (NIT number)..... dated..... for.....
(name of work) The Government has further agreed to accept irrevocable Bank Guarantee for Rs. (Rupees only) valid upto..... (date)*..... as **Earnest Money Deposit** 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 Executive Engineer..... (name of division)....., CPWD on behalf of the President of India (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..... (name of work) The Government has further agreed to accept an irrevocable Bank Guarantee for Rs. (Rupees only) valid upto (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. (Rupeesonly)
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 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

for bear 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 at 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 or demand by the Government. Notwithstanding anything mentioned above, our liabilities under 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 discharged.

Date.....

Witnesses:

1. Signature.....

Name and address

Authorized signatory

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.

EMD RECEIPT FORMAT
Receipt of deposition of original EMD

(Receipt No.....#..... / Date.....#.....)		
<u>Name of Work</u>	:	Renovation of NABARD premises at Sterling Center 1st and 7th floor, Worli, Mumbai.
NIT No *	:	13/EE/MUMBAI-V/CE/MUMBAI-II/2025-26 (CE NIT No. 07/CE/MUMBAI-II/2025-26)
Estimated Cost *	:	Rs.6,84,43,976/- (Civil: Rs.3,55,14,956/- Electrical Work: Rs.3,29,29,020/-)
Amount of Earnest Money Deposit*	:	Rs. 13,68,880 /-
Last date of submission of bid *	:	01/11/2025 up to 03.00 PM
(*To be filled by Tender inviting authority/ NIT approving authority at the time of issue of NIT and uploaded along with NIT)		
Name of Contractor #	:	
Form of EMD #	:	
Amount of Earnest Money Deposit #	:	
i) In the form of Insurance Surety Bonds or Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque for Rs.....#..... Vide#.....Date.....#..... ii) In the form of Bank Guarantee (for balance amount as prescribed) Rs.....#issued by.....#..... Date.....#...		
Date of submission of EMD #	:	
Name of Officer #	:	
Designation of EMD receiving officer #	:	
Office name and Address #	:	
E-mail ID #	:	
Signature #	:	
Office stamp #	:	
# To be filled by EMD receiving EE/DDH		
Note: - 1) All the above-mentioned details must be dully filled otherwise it may not be considered for tender. 2) The receipt can also be issued by any subordinate gazette authority as authorized by the EE/DDH.		

Form 'F-1'

Undertaking on structural stability and soundness of already completed buildings and infrastructure projects.

I/we undertake and confirm that any building/infrastructure constructed by our firm/partnership firm/company has not suffered any failure, making it unfit for intended use, either due to structural design and defects or due to use of sub-standard materials or execution of sub-standard work, poor workmanship or any other reason during the last 25 (twenty five) years.

I/we, further, undertake that if such information comes to the notice of CPWD, then Engineer- in-Charge shall be free to terminate the bid/agreement and to forfeit the entire amount of earnest money deposit, performance guarantee and security deposits.

I/we also undertake that in addition to above, the Engineer-in-Charge shall be free to debar us forever from tendering in CPWD.

The decision of Engineer-in-Charge or any higher authority shall be final and binding.

Signature of notary with seal.

Signature of bidder or an authorized person of the firm and stamp.

(Note: Affidavit to be furnished on a 'Non-Judicial' Stamp paper of Rs. 200/- (scanned copy of the notarized affidavit to be uploaded at the time of submission of bid).

Form 'F-2'

Undertaking on structural stability and soundness of already completed buildings and infrastructure projects.

I/we undertake and confirm that any building/infrastructure constructed by our firm/partnership firm/company after registration of our Firm / Company has not suffered any failure, making it unfit for intended use, either due to structural design and defects or due to use of sub-standard materials or execution of sub-standard work, poor workmanship or any other reason.

I/we, further, undertake that if such information comes to the notice of CPWD, then Engineer- in-Charge shall be free to terminate the bid/agreement and to forfeit the entire amount of earnest money deposit, performance guarantee and security deposits.

I/we also undertake that in addition to above, the Engineer-in-Charge shall be free to debar us forever from tendering in CPWD.

The decision of Engineer-in-Charge or any higher authority shall be final and binding.

Signature of notary with seal.

**Signature of bidder or an authorized person of
the firm and stamp.**

(Note: Affidavit to be furnished on a 'Non-Judicial' Stamp paper of Rs. 200/- (scanned copy of the notarized affidavit to be uploaded at the time of submission of bid).

Proforma-A

Undertaking For Associating Specialized agencies

I/We shall submit the documents of Associated Specialized Agencies as per the Eligibility criteria mentioned in the bid documents within stipulated time failing which the department may take necessary action as per Clauses / Provision of contract.

Signature of bidder with stamp

PROFORMA OF SCHEDULES

SCHEDULE 'A'	
Schedule of quantities: (as per PWD-3)	As per Page No. 85 to 115 (Civil) As per Page No. 194 to 244 (Electrical)
SCHEDULE 'D'	
Extra schedule for specific requirements/document for the work, if any.	Not Applicable
SCHEDULE 'E'	
Reference to General Conditions of contract: (GCC EPC Project 2024/GCC Maintenance work 2023/GCC Construction Work 2023) (NIT approving Authority to mention one GCC in the space provided above).	Applicable GCC Maintenance Work 2023 As modified & corrected up to previous day of the last date of submission of the tender.
Name of Work: -	Renovation of NABARD premises at Sterling Center 1st and 7th floor, Worli, Mumbai.
Estimated cost of the work:	Rs.6,84,43,976/- (Civil: Rs.3,55,14,956/- + Electrical: Rs. 3,29,29,020/-)
i) Earnest Money (To be refund after receiving Performance Guarantee)	Rs. 13,68,880/-
ii) Performance Guarantee	5% of tendered value of the work
iii) Security Deposit	2.5% of tendered value of the work
SCHEDULE 'F'	
General Rules and Directions	
Office inviting tender	Executive Engineer, Mumbai-V, CPWD, Mumbai- 400 020.
Definitions:	
2(vi) Engineer-in-Charge	Civil: Executive Engineer, Mumbai-V, CPWD, Mumbai- 400 020 or his Successor(S) Electrical: Executive Engineer (E), Mumbai-IV, CPWD, Mumbai- 400 037 or his Successor(S)
2(viii) Accepting Authority	Chief Engineer, Mumbai-II, CPWD, Mumbai or his Successor(s)
2(x) Percentage on cost of materials and labour to cover all overheads and profits	15%
2(x) (b) Standard Schedule of Rates:	Civil: Delhi Schedule of Rates (Volume I & II) 2023 with amendments issued up to last day of online receipt of tender Electrical: Delhi Schedule of Rates (DSR) (E & M) -2025
2(xi) Department	Central Public Works Department
9(ii) Standard CPWD contract Form	General Conditions of Contract for Maintenance Works 2023, CPWD Form 7/8 as modified & corrected upto previous day of the last date of submission of the tender

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		07 (Seven) days	
ii) Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period as provided in (i) above (1 to 15 days to be filled by NIT approving authority)		03 (Three) days	
Clause 2			
Authority for fixing Compensation under Clause 2		Chief Engineer, Mumbai-II, CPWD, Mumbai or his Successor(s)	
Clause 2 A			
Applicable Clause 2/Clause 2A		No	
Clause 5			
Number of days from the date of issue of letter of acceptance for reckoning date of start Mile Stone (s) as per table given below: -		10 (Ten) days from the date of issue of Letter of acceptance or date of handing over of site whichever is later.	
Table of Milestones: - CIVIL and ELECTRICAL		As per table given below.	
S.No.	Description of Milestone (Financial)	Time allowed in months (from the date of start)	Amount to be withheld in case of non-achievement of mile stone
1	1/8 th of tendered value of Civil & Electrical Part Each.	1.5 Months	In the event of not achieving the necessary progress as assessed from the running payments, 1.25% of the tendered value of work will be withheld for failure of each milestone.
2	3/8 th of tendered value of Civil & Electrical Part Each.	3 Months	
3	3/4 th of tendered value of Civil & Electrical Part Each.	4.5 Months	
4	Full of tendered value of Civil & Electrical Part Each.	6 Months	
Note:			
1. Withheld amount shall be released if and when subsequent Milestone is achieved within respective time specified. However, in case Milestones are not achieved by the Contractor, the amount shown against each Milestone shall be withheld.			
2. Intending bidder may submit phasing of activities / milestones based on their resources and methodology at the time of bidding corresponding to physical milestones / stages indicated in the above table. These shall form part of the agreement after approval of the accepting authority, otherwise it would be assumed the agency agrees with the above-mentioned physical milestone.			

Time allowed for execution of work		06 (Six) Months	
Authority to decide			
(i) Authority to convey the decision of shifting of Mile Stone and extension of time.		Engineer-in-charge of major component or his successor(s)	
(ii) Authority to decide rescheduling of Mile Stone and extension of time.		Chief Engineer, Mumbai-II, CPWD, Mumbai or his successor(s)	
(iii) Shifting of date of start in case of delay in handing over of site		Chief Engineer, Mumbai-II, CPWD, Mumbai or his successor(s)	
PROFORMA OF SCHEDULE Clause 5 Schedule of handing over to 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	Site Available	
Part B	Portion with encumbrances	NA	
Part C	Portions dependent on work of other agencies.	NA	
Note: The site of work will be made available for work in phases only as the site is located in a running office building. All Civil and Electrical works in the portion of site made available (each phase) shall be completed and should be handed over to user department for making available the subsequent phase /part of site work to the contractor. Clause 5.1 (iv) Recovery per week for delaying in submission of time and programme chart and monthly progress report. Rs.2,000/- Clause 5.2 Recovery per day for delay in submission of revised programme Rs.2,500/-			
Clause 5			
Applicable Clause 5/Clause 5A		Clause 5	
Clause 6: Computerized Measure Book (CMB) /Electronic Measurement Book (EMB)			
Mode of measurement		CMB / EMB through CPWD ERP Portal	
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		Civil: - Rs. 60 lakhs Electrical: Rs. 50 lakhs	
Clause 7A			
Whether Clause 7A shall be applicable		Yes	
Clause 8: Competent Authority to inspect and issue completion certificate		Engineer-in-Charge Major Component	
Clause 10A			
List of testing equipment to be provided by the contractor at site lab.		As per site requirement and specifications. / As per Annexure-I attached	
Clause 10 B(ii)			
Whether clause 10B (ii) shall be applicable.		Not Applicable	

Clause 10 C		Applicable
Component of labour expressed as percentage of value of work		25%
Clause 10 CC		Not Applicable
Clause-11 Specifications to be followed for execution of work.		
For Civil items of work		CPWD Specifications (volume - I & II) 2019 with up-to-date corrections slips
For Electrical items of work		As per CPWD General Specifications for Electrical works Part- 'I Internal – 2023 CPWD General Specifications for Electrical Works Part – II External - 2023 Specifications for Heating, Ventilation & Air Conditioning (HVAC) – 2024 General Specifications Electrical Works Part VI (Fire Detection and alarm System) – 2018.
Clause 12		The Completion cost shall, in no case, exceed 1.5 times the contract amount.
Clause 16		
Competent Authority for deciding reduced rates:		Chief Engineer, Mumbai-II, CPWD, Mumbai or his successor(s)
Clause 18		
List of mandatory machinery, tools & plants to be deployed by the contractor at site.		As per site requirement and direction issued by Engineer-in-Charge. Civil - Annexure II Electrical - Annexure III.
Clause 19C	Authority to decide penalty for each default	Engineer-in-charge
Clause 19D	Authority to decide penalty for each default	Engineer-in-charge
Clause 19G	Authority to decide penalty for each default	Engineer-in-charge
Clause 19K	Authority to decide penalty for each default	Engineer-in-charge
Clause 25		
(i). Conciliator		Special Director General, Mumbai, CPWD, Mumbai or his Successor.
(ii) Arbitrator Appointing Authority		Chief Engineer, Mumbai-II, CPWD, Mumbai or his successor(s)

(iii) Place of Arbitration				Mumbai or as decided by Learned Arbitrator and the parties.		
Clause32: Requirement of Technical Representative(s) and Recovery Rate						
S. No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical representative)	Minimum experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 32
1.	Graduate Engineer	Civil	Project Manager	5 Years respectively	01	Rs.40,000/- Per Month.
2.	Graduate Engineer or Diploma Engineer	Civil	Planning/ Quality/ Site/Billing Engineer	2 or 5 Years respectively	01	Rs.25,000/- Per Month.
3.	Graduate Engineer or Diploma Engineer	E & M	Planning/ Quality/ Site/Billing Engineer	2 or 5 Years respectively	01	Rs.25,000/-Per Month.
- Assistant Engineers retired from Government services who are holding Diploma will be treated at par with Graduate Engineers. - Diploma holder with minimum 10-year relevant experience with a reputed construction company 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. - The above requirement shall be from start of work to the date of completion of work.						
Clause 38						
(i) (a) Schedule/ statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2023 printed by C.P.W.D.						
(ii) Variations permissible on theoretical quantities						
(a) Cement						
For works with estimated cost put to tender not more than Rs. 25 lakhs.				3% plus/minus		
For works with estimated cost put to tender is more than Rs. 25 lakhs				2% plus/minus		
(b) Bitumen all works				2.5% plus only & nil on minus side.		
(c)Steel reinforcement and structural steel Sections for diameter, section and category.				2% plus/minus.		
(d) All other materials				Nil		

ANNEXURE –I

List of testing equipment to be provided by the contractor at site lab

Equipment's for conducting necessary tests shall be provided and installed at site in the well-furnished site laboratory by the agency at his own cost. The following list is only indicative and not exhaustive. The Contractor may be required to deploy more equipment's as per requirement of work. Nothing extra shall be payable.

In case any equipment is not required in the work as per decision of Engineer in Charge, the same shall be considered as deleted from list.

[illegible]

	ii) Circular plate of 250mm dia	4
10	Pumps and pressure gauges for hydraulic testing of pipes	1
11	Cube moulds size 70mmx70mmx70mm	3
12	Cube moulds size 150mmx150mmx150mm	6
13	Dial gauge, 25 mm dial-0.01mm/ division least count	2
14	Vernier calipers 12” & 6” sizes	2 (each)
15	Digital Micrometer least count 0.01mm	1
16	Digital paint thickness meter for steel 500-micron range	1
17	GI tray 600x450x50mm, 450x300x40mm, 300x250x40mm	2 (each)
18	Screw gauge 0.1mm-10mm, least count 0.05	1
19	Pruning Rods 2 Kg weight length 40 cm and ramming face 25 mm ²	2
20	Extra Bottom plates for 15 cm cube mould	5
21	Iron Weight of 5 kg, 2 kg, 1 kg, 500 gm, 200 gm, 100 gm	1 (each)
22	Brass Weight of 50 gm, 20 gm, 10 gm, 5 gm, 2 gm, 1 gm	1 (each)
23	Wash Bottles capacity 500 ml	1 (each)
24	Hammer 1lb & 2lb	2 (each)
25	Hacksaw with 6 blades	2
26	Plastic or G.I. Buckets 15 ltr, 10 ltr, 5 ltr	1 (each)
27	Wheel Barrow	3
28	Steel tape a) 30 meter b) 3 meter	1 2
29	Wire gauge (circular type) disc	1
30	Foot Rule	1
31	Long Nylon Thread	1
32	Rebound hammer for testing concrete	-
33	Dynamic penetrometer	-
34	Magnifying glass	1
35	Screw driver 30 cm long	2
36	Ball pin Hammer 100 gm	1
37	Plastic bags for taking samples	1 Packet
38	Moister meter for timber	1
39	A good quality plumb bob	1
40	Spirit level, minimum 30 cm long with 3 bubbles for horizontal/ vertical	3

41	Hydrometer	1
42	Any other Testing Equipment required for completion of the work as per decision of Engineer-in-charge.	As per Actual requirement

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

All the plants & machinery mentioned below are to be deployed as and when required or as directed by Engineer-in-Charge. The below list is only indicative and not exhaustive. The Bidder may be required to deploy more machinery, tools & plants as per requirement of work. Nothing extra shall be payable.

In case any equipment is not required in the work as per decision of Engineer in Charge, the same shall be considered as deleted from list.

Sl. No.	Equipment	Number (Minimum)
1	Tower Crane upto 40 m boom length and of required capacity	-
2	Hoist Lift	1
3	Excavator cum loader (JCB 3D model or equivalent).	-
4	Needle Vibrators.	1
5	Plate Vibrators.	1
6	Dumper. (As & when required)	-
7	Reinforcement bending machine.	-
8	Reinforcement cutting machine.	-
9	Power driven earth rammer (Soil compactor).	-
10	Total station.	-
11	Auto level & staff.	1
12	Welding machine 400 Ampere	1
13	Screener for coarse sand and fine sand	2
14	Centrifugal mono block water pump minimum capacity 2 HP	1
15	Electric Motor mixer 0.25 cum capacity	-
16	Any other machinery required for completion of the work as per decision of Engineer-in-charge.	As per Actual requirement

ANNEXURE-III

Equipment's for Testing of Materials at Site Laboratory

Equipment's for conducting necessary tests shall be provided and installed at site in the well-furnished site laboratory by the agency at his own cost. The following list is only indicative and not exhaustive. The Bidder may be required to deploy more T & P as per requirement of work. Nothing extra shall be payable.

In case any equipment is not required in the work as per decision of Engineer in Charge, the same shall be considered as deleted from list.

Sl. No	Equipment	Numbers (Minimum)
1	Megger (0-1000V)	2 Nos.
2	Earth Tester	2 Nos.
3	Lux meter	2 Nos.
4	Wire Gauge	2 Nos.
5	Micro meter	2 Nos.
6	Vernier Caliper	2 Nos.
7	Tong Tester	2 Nos.
8	Aluminum Ladder- Suitable for internal & external	3 Nos.
9	Tacho Meter	1 No.
10	Hydro Meter	1 No.
11	Crimpling tool for all sizes	1 Set
12	Ammeter	2 Nos.
13	Voltmeter 0 – 500 volts	2 Nos.
14	Chain wrench 2”, 4”, 6”	2 Sets.
15	Pipe wrench up to 4 “	1 set
16	Spanners kit	1 set
17	Digital Micrometer least count 0.01mm	1 No.
18	Screw gauge (Digital)	1 No.
19	Dial Guage	1 No.
20	Bearing Puller	1 No.
21	Bench vice	1 No.
22	Multimeter	2 Nos.
23	Hand gloves	2 Nos.
24	First Aid Box with recommended medicines as per IS: 2217-1963 as amended.	1 No.
25	Thermometer	1 No.
26	Disinfection spray machine with disinfection liquid	1 No.