Government of India
Central Public Works Department

NOTICE INVITING e-TENDER

The Executive Engineer (E), MUMBAI-IV, CPWD on behalf of President of India invites online Percentage rate bids in TWO BID SYSTEM i.e. Eligibility Bid & Financial Bid from firms/contractors of repute and CPWD enlisted contractors of appropriate class in Building & Roads and **OEM / specialized agencies (erstwhile composite/ Building/ Infrastructure) category having experience in similar work of "Replacement / Installation of Passenger Lifts" for the following work -**

Sr. No.	Description	Details
1.	NIT No.: -	**79 / EE (E) / MUMBAI - IV / 2026-27**
2.	Name of Work	**Replacement/Installation of 02 Nos 10-passenger lifts serving G+5 Floors in IPO, Boudhik Sampada Bhawan, Mumbai.**
3.	Estimated cost: -	**Rs. 39,72,523/-**
4.	Earnest Money: -	**Rs. 79,450/-**
5.	Period of completion: -	**03 Months**
6.	Date & Time for Pre-Bid Conference	Pre-Bid conference shall be held on 11.00 AM to 12.00 PM dated 20/11/2026 with the intending Bidders in the Chamber of The Executive Engineer (E), MUMBAI-III, 1st floor, Kendriya Sadan, Antophill, Mumbai.
7.	Last date of online submission of bid, copy of receipt of deposition of original EMD and other documents as specified in the bid document	07/12/2026 up to 03.00 PM
8.	Date & Time of Opening of Eligibility Bid	07/12/2026 up to 03.30 PM
9.	Date of Opening of Price Bid	Shall be intimated separately after technical bid

CENTRAL PUBLIC WORKS DEPARTMENT
Office of the Executive Engineer (E) Mumbai – IV,
Central Public Works Department 4th Floor,
"Nirman Sadan" Sector – I, CGS Colony,
Kane Nagar,Mumbai -400 037.

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GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

Name of work :- Replacement/Installation of 02 Nos 10-passenger lifts serving G+5 Floors in IPO, Boudhik Sampada Bhawan, Mumbai.

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It is certified that this N.I.T. contains Four parts i.e. Part-A, Part-B, Part-C and Part-D containing page No. 01 to 66.

PART-A
INVITATION OF BIDS

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

The Executive Engineer (E), MUMBAI-IV, CPWD on behalf of President of India invites online Percentage rate bids in **TWO BID SYSTEM** i.e. Eligibility Bid & Financial Bid from firms/contractors of repute and CPWD enlisted contractors of appropriate class in Building & Roads and OEM / specialized agencies (erstwhile composite/ Building/ Infrastructure) category having experience in similar work of "Replacement / Installation of Passenger Lifts" for the following work :-

NIT No.	**79 / EE (E) / MUMBAI - IV / 2026-27**
Name of work	**Replacement/Installation of 02 Nos 10-passenger lifts serving G+5 Floors in IPO, Boudhik Sampada Bhawan, Mumbai.**
Estimated Cost put to tender	**Rs. 39,72,523/-**
Earnest Money	**Rs. 79,450/-**
Stipulated Period of Completion of work (in months)	**03 Months**
Date & Time for Pre-Bid Conference	Pre-Bid conference shall be held on 11.00 AM to 12.00 PM dated 20/11/2026 with the intending Bidders in the Chamber of The Executive Engineer (E), MUMBAI-III, 1st floor, Kendriya Sadan, Antophill, Mumbai.
Last date of online submission of bid, copy of receipt of deposition of original EMD and other documents as specified in the bid document	07/12/2026 up to 03.00 PM
Date & Time of Opening of Eligibility Bid	07/12/2026 up to 03.30 PM
Date of Opening of Price Bid	Shall be intimated separately after technical bid

1) Contractors who fulfil the following requirement shall be eligible to apply. Joint ventures are not accepted. 1(b), 1(c) and 1(d) are not applicable for CPWD enlisted contractors of appropriate class but 1(a) and 1(e) is applicable for CPWD enlisted contractor also.

a) Experience of having successfully completed similar works during the last 7 years (Applicable for CPWD enlisted as well as Non-CPWD contractor): -

The contractor / firm Should have satisfactorily completed the works as mentioned below during the last Seven years ending last day of the month previous to the one in which tenders are invited. For this purpose, cost of work shall mean gross value of the completed work including cost of materials supplied by the Government/ client but excluding those supplied free of cost. **This should be certified by an officer not below the rank of Project Manager/ Executive Engineer or Equivalent.**

i) Three similar completed works each costing not less than 40% of the estimated cost put to tender

OR

ii) Two similar completed works each costing not less than 60% of the estimated cost put to tender

OR

iii) **One similar completed works costing not less than 80% of the estimated cost put to tender.**

Note: - Similar work means "Replacement / Installation of Passenger Lifts".

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 the last date of submission of tenders. Qualified similar work may be physically inspected by CPWD to ascertain the completion, performance on quality of works for finalizing the Eligibility in Eligibility Bid.

b) Certificate of Financial Turn over:
Should have had Average Annual Financial Turnover of **Rs. 12.58 Lakh (30% of ECPT) during the last three years ending 31st March 2026** (Scanned copy of Certificate from Chartered Accountant with Unique Document Identification Number (UDIN) to be uploaded). The value of annual turnover figures shall be brought to the current value by enhancing the actual turnover figures at simple rate of 7% per annum. (Note: There is no need to upload entire voluminous balance sheet). Year in which no turnover is known would also be considered for working out the average **(Scan copy of original in Form A to be uploaded).**

c) Profit/Loss: Should not have incurred any loss (profit after tax should be positive) in more than two years during the last five years ending 31st March 2025 duly certified and audited by the chartered accountant. (The balance sheet in case of Pvt./ Public Ltd. Company means its standalone finance statement and consolidated financial statement both) **(Scan copy of original in Form A to be uploaded).**

d) Bankers Certificate / Net Worth Certificate: -
Should have a **Banker's Certificate** from a commercial Bank for **Rs. 16.78 Lakh** (40% of the ECPT) or **Net Worth certificate** from CA with Unique Document Identification Number (UDIN) of minimum 10 % amount of ECPT (Scanned copy of original to be uploaded).

f) The bidder should not have been barred/blacklisted by the Central Government/State Government, or any entity controlled by it, from participating in any tender, and the bar subsists as on the Bid Due Date, such bidder would not be eligible to submit the BID. The Bidder should upload affidavit for NON – BLACK LISTING. At the time of uploading of bid, the bidder shall have also to upload Scanned copy of an affidavit on Non-Judicial **Stamp paper of Rs.100/- as under**: **(Annexure IV).**

2) 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.

3) Information and Instructions for bidders posted on website shall form part of bid document.

4) 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 www.etender.cpwd.gov.in free of cost.

5) 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 Demand Draft or pay order or Banker's Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any scheduled Bank towards EMD in favor of Executive Engineer as mentioned in NIT, receipt for deposition of original EMD to division office of any Executive Engineer, CPWD and other documents as specified.

6) Earnest Money in the form of **Demand Draft or pay order or Banker's Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any Commercial Bank** drawn in favor of **"Executive Engineer (E), MCED II, CPWD, Mumbai-37"** shall be scanned and uploaded to the e-tendering website within the period of bid submission.

7) Those contractors not registered or have not updated their profile on the website mentioned above, are require to get registered/ update their profile beforehand. The necessary training materials including the videos with step-to-step process are available on download section of https://etender.cpwd.gov.in

8) The intending bidder must have valid class-III digital signature certificate with encryption key (combo type) to perform any operations/ transections on the e-tendering portal/ website and the bidder should download and install the em-Signer on their system as per instructions available on download section of https://etender.cpwd.gov.in.

9) On opening date, the contractor can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.

10) Contractor can upload documents in the form of JPG format or PDF format.

11) Contractor must ensure to quote rate in percentage form. The column meant for quoting rate in % figures appear in yellow color and the moment rate is entered; it turns sky blue.

12) 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.

13) The Eligibility Bid shall be opened first on due date and time as mentioned above. The time and date of opening of financial bid of contractors qualifying the Eligibility Bid shall be communicated to them at a later date.

14) Pre-bid meeting shall be held with the intending bidders in the office of **The Executive Engineer (E), MUMBAI-III, 1st floor, Kendriya Sadan, Antophill, Mumbai at 11 AM to 12 PM on 20/11/2026 (Physical mode only)** to clear the doubt of intending bidders, if any. Bidders should send by email all queries, before pre-bid conference to the office of **EE (E), Mumbai-IV** latest by 10:30 AM on 02/06/2026. After pre-bid conference, all modifications/ addendums/ corrigendum issued regarding this bidding process, shall be uploaded on website only if felt necessary by the department. If situation arises, the terms & conditions, schedule of quantities are likely to be modified after the outcome of Pre-bid conference. Therefore, it is mandatory for the bidder to see

the final bid document after the pre-bid conference and above uploaded modifications / addendums / corrigendum on the website and accordingly quote the percentage rate in the financial bid before the last date & time of submission of bid.

15) 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.

16) **Physical submission of documents by lowest bidder.**

Self-attested copy of all the scanned and uploaded documents as specified in NIT/ CPWD-6, anywhere in the NIT shall have to be submitted by the lowest bidder only along with Original receipt of deposition of EMD within a week in the office of tender opening authority. (The week includes the day of opening of bid).

17) It is mandatory to upload scanned copies of all the documents including GST registration. If documents are not uploaded, then bid will become invalid and shall summarily be rejected.

18) Tenders with any condition including that of conditional rebates shall be rejected forthwith.

EXECUTIVE ENGINEER (E),
MUMBAI - IV, CPWD, MUMBAI–37.

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

1. **For CPWD Registered contractors:**

a. Scan copy Banker's cheque of commercial bank or Account payee Demand Draft of commercial bank or Fixed Deposit receipt (FDR) of commercial bank or insurance surety bonds and/or bank guarantee or e-bank guarantee (for balance amount as prescribed) of commercial bank against EMD.

b. Copy of receipt of deposition of original EMD **issued from division office of any Executive Engineer**, CPWD, (including NIT issuing EE), CPWD, as per Performa-I.

c. CPWD Enlistment Order of the Contractor in appropriate category.

d. GST registration Certificate, if already obtained by the bidder.

"If the bidder has not obtained GST registration as applicable, then in such a case the bidder shall scan and upload undertaking with the bid document as per Annexure-I.

e. Letter of Transmittals. **(Section-III)**

f. List of eligible similar nature of works completed in Form-C.

g. Experience certificate of works as mentioned in Form-C for eligibility criteria

h. Affidavit for "Proforma of Affidavit for Non - Black Listing" in **Annexure-IV**

i. **ERP training certificate issued through LMS of ERP taken by himself or his authorized representative. Training will be valid only when participants are registered with LMS (Learning Management System).**

j. Affidavit for non-execution of eligible similar work(s) through another contractor on back-to-back basis or subletting basis furnished on Rs.100/- Non-Judicial stamp paper attested by Notary. **(Annexure-III)**

k. Copy of Electrical Contractor License or undertaking as **per Annexure-II.**

l. **The bidder shall upload an undertaking, as per Annexure–V, confirming submission of Manufacturer Authorization Form (MAF) from the OEM in the format prescribed at Annexure–VI**

m. **PAN Card.**

n. Undertaking that I will comply proforma I & Proforma – II.

2. **For Non CPWD registered contractor**

a. Scan copy Banker's cheque of commercial bank or Account payee Demand Draft of commercial bank or Fixed Deposit receipt (FDR) of commercial bank or insurance surety bonds and/or bank guarantee or e-bank guarantee (for balance amount as prescribed) of commercial bank against EMD.

b. Copy of receipt of deposition of original EMD issued **from division office of any Executive Engineer**, CPWD, (including NIT issuing EE), CPWD, as per Performa-I.

c. GST registration Certificate, if already obtained by the bidder.

"If the bidder has not obtained GST registration as applicable, then in such a case the bidder shall scan and upload undertaking with the bid document as per Annexure-I.

d. Certificates of Financial Turnover from Chartered Accountant in **Form A**.

e. Banker's certificate /Net Worth Certificate in **Form B/B1**.

f. List of eligible similar nature of works completed in **Form C.**

g. Experience certificate of works as mentioned in Form-C for eligibility criteria.

h. Affidavit for "Proforma of Affidavit for Non - Black Listing" in **Annexure-IV.**

i. Affidavit for non-execution of eligible similar work(s) through another contractor on back-to-back basis or subletting basis furnished on Rs.100/- Non-Judicial stamp paper attested by Notary. **(Annexure-III)**

j. Letter of Transmittals. **(Section-III)**

k. Copy of Electrical Contractor License or undertaking as **per Annexure-II.**

l. A Certificate/undertaking shall be uploaded mentioning that "If we are Ist lowest then we will take ERP training through registration in LMS from ERP unit CPWD".

m. **The bidder shall upload an undertaking, as per Annexure–V, confirming submission of Manufacturer Authorization Form (MAF) from the OEM in the format prescribed at Annexure–VI**

n. **PAN Card.**

o. Undertaking that I will comply proforma I & Proforma – II.

a.

EXECUTIVE ENGINEER (E),
MUMBAI - IV, CPWD, MUMBAI–37.

CPWD-6 for e-tendering

GOVRNMENT OF INDIA CENTRAL
PUBLIC WORKS DEPARTMENT

NOTICE INVITING E-TENDER

The Executive Engineer (E), MUMBAI-IV, CPWD on behalf of President of India invites online Percentage rate bids in **TWO BID SYSTEM** i.e. Eligibility Bid & Financial Bid from firms/contractors of repute and CPWD enlisted contractors of appropriate class in Building & Roads and OEM / specialized agencies (erstwhile composite/ Building/ Infrastructure) category having experience in similar work of **"Replacement/Installation of 02 Nos 10-passenger lifts serving G+5 Floors in IPO, Boudhik Sampada Bhawan, Mumbai."**

1.1. The work is estimated to Cost: ₹ **39,72,523/-.** This estimate, however, is given merely as a rough guide.

1.2. Intending bidders 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 in the tender document. (Scanned copy to be uploaded at the time of submission of bid)

1.3. **To become eligible for issue of bid, the bidders shall have to furnish an affidavit as under:**

I/We undertake and confirm that eligible similar works(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 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.

2. Agreement shall be drawn with the successful tenderer on prescribed form No. CPWD 7/8 amended up- to last date of receipt of tender (or other Standard Form as mentioned) which is available as a Govt. of India Publication. Tenderer shall quote his rates 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 **03 (Three) 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 tender documents.

4. (i) The site for the work is available.

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 free of cost.

6. The bidder should also read the General Conditions of the Contract for CPWD works 2023 amended up to date (available) on CPWD above websites), which is available as Govt. of India publications.

7. 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 tender as notified.

8. 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 tender as notified.

9. Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Bankers Cheque or Bank Guarantee of any Commercial Bank (drawn in favor of "**Executive Engineer (E), MCED II, CPWD, Mumbai-37"** shall be scanned and uploaded to the e-tendering website within the period of bid submission. The original EMD should be deposited either in this office of executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. (The EMD document shall only be issued from the place in which the office of receiving division office is situated). The EMD receiving Executive Engineer 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, 50% of earnest money or Rs. 20 lakh, whichever is less, will have to be deposited in shape prescribed above, and balance in shape of Bank Guarantee of any Commercial 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 Eligibility Bid evaluation etc. should be returned within 30 days of declaration of result of Eligibility 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, who has deposited EMD with any division of CPWD and other documents scanned and uploaded are found in order
   The Eligibility Bid Submitted shall be opened at **03.00 PM on 07/12/2026**

10. The bid submitted shall become invalid if:
    a) The bidder is found ineligible.
    b) The bidder does not upload all the documents as stipulated in the bid document including the copy of receipt for deposition of original EMD.
    c) 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 tenderer in the office of tender opening authority.
    d) 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** of **5% (Five Percent)** of the bid amount as mentioned in schedule E and within the period specified in Schedule F. This guarantee shall be in the form of Demand Draft (DD) & Fixed Deposit Receipt (FDR) of any Commercial Bank 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 bill shall be returned after received 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 and programme chart (Time and Progress) within the period specified in Schedule F.

12. **The description of the work is as follows:**

    "Replacement / Installation of 02 Nos 10-passenger lifts serving G+5 Floors in IPO, Boudhik Sampada Bhawan, Mumbai."

    Intending bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders 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 tender. A firm/ agency 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 firm/ agency 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 tender by a firm/ agency 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 tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the firm/ agency shall be summarily rejected.

14. Canvassing whether directly or indirectly, in connection with firm/ agency is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to 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 tender and the firm/ agency shall be bound to perform the same at the rate quoted.

16. The Contractor shall not be permitted to tender 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 previous 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 tender or engagement in the contractor's service.

18. The bid for the works shall remain open for acceptance for a period of **Seventy-Five (75) days** from the date of opening of financial bid for this tender as invited on 2 bid system. Further,

18.1. If any tenderer withdraws his tender or makes any modification in the terms & 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.

18.2. If any tenderer withdraws his tender or makes any modification in the terms & 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.

18.3. In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.

19. This notice inviting Tender shall form a part of the contract document. The successful firm/ agency, 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: -

a) The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of tender 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 amended & modified up-to last date of receipt of tender.**

20. In case any discrepancy is noticed between the documents as uploaded at the time of submission of the bid online and hard copies as submitted physically in the office of EXECUTIVE ENGINEER (E), MUMBAI- IV, CPWD, MUMBAI-37 then the bid submitted shall become invalid and the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 100% of the said earnest money as aforesaid. Further the firm/ agency shall not be allowed to participate in the re- tendering process of the work.

21. The intending bidders are required to update their profile in CPWD e-tendering 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 ERP help line no. 18001803286 or email – cpwd.support@techmahindra.com. The e-tendering bidders are also advised not to wait to raise any issue till the last date of submission of bid in their own interest.

(For & on behalf of President of India)

EXECUTIVE ENGINEER (E),
MUMBAI - IV, CPWD, MUMBAI–37.

PROFORMA -I

EMD RECIEPT
Receipt of deposition of original EMD

(Receipt No. …… / date .....)

Name of Work: **Replacement/Installation of 02 Nos 10-passenger lifts serving G+5 Floors in IPO, Boudhik Sampada Bhawan, Mumbai.**

NIT No. :- 79 / EE (E) / MUMBAI - IV / 2026-27

Estimated Cost :- ₹ 39,72,523/-

Amount of Earnest Money Deposit:- ₹ 79,450/-

Last date of submission of bid- 07 /12 /2026 up-to 03:00 PM

1. Name of contractor.....#
2. Form of EMD ..... #
3. Amount of Earnest Money Deposit .....#
4. Date of submission of EMD.....#

(Signature, Name and Designation of EMD Receiving officer (EE/AE (P)/AE/AAO along with office stamp)

Contact - _____

Email- _____

(# to be filled by EMD receiving EE)

1. The Executive Engineer receiving EMD in original form shall examine the EMD deposited by the bidder and shall issue a receipt of deposition of earnest money to the agency in a given format uploaded by tender inviting EE. The receipt may be issued by the AE(P)/AE/AAO.
2. The Executive Engineer receiving original EMD shall also intimate tender inviting Executive Engineer about deposition of EMD by the agency by email/fax/ telephonically.
3. The original EMD receiving Executive Engineer shall release the EMD after verification from the e- tendering portal website (www.tenderwizard.com>tender free view> advance search>awarded tenders) that the particular contractor is not L-1tenderer and work is awarded.
4. The tender inviting Executive Engineer will call for original EMD of the L-1 tenderer from EMD receiving Executive Engineer immediately.

PROFORMA -II

On non-judicial stamp paper on minimum Rs.100/-

(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

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. …….. (Rupees …….. only)
4. We, …….. (indicate the name of the Bank) ……., further undertake to pay the Government any money so demanded not with standing 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 here 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 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 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 wiring.
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 o expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

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.

SECTION-III

LETTER OF TRANSMITTAL

From: M/s …….
……...
……...

To,

EXECUTIVE ENGINEER (E),
4th FLOOR, NIRMAN SADAN,
MUMBAI-IV, CPWD, MUMBAI-37

Sub.:- Submission of bid for the work "**Replacement/Installation of 02 Nos 10-passenger lifts serving G+5 Floors in IPO, Boudhik Sampada Bhawan, Mumbai."**

Sir,

Having examined the details given in press notice and bid document for the above work, I/We, hereby submit the relevant information.

1. I/ We, hereby certify that all the statements made and information supplied in the enclosed form "A" to "H" and accompanying statements are true and correct.
2. I/ We have furnished all information and details necessary for eligibility and have no further pertinent information to supply.
3. I/ We submit the requisite certified solvency certificate and authorize the EXECUTIVE ENGINEER (E), MUMBAI-IV, CPWD, MUMBAI-37 to approach the Bank issuing the solvency certificate to confirm the correctness thereof. I/We, also authorize EXECUTIVE ENGINEER (E), MUMBAI-IV, CPWD, MUMBAI-37 to approach individuals, employers, firms and corporation to verify our competence and general reputation.

OR

4. I/ We submit the requisite certified net-worth certificate and authorize the EXECUTIVE ENGINEER (E), MUMBAI-IV, CPWD, MUMBAI-37 to approach the chartered Accountant to confirm the correctness thereof. I/We, also authorize EXECUTIVE ENGINEER (E), MUMBAI-IV, CPWD, MUMBAI-37 to approach individuals, employers, firms and corporation to verify our competence and general reputation. (Strike out whichever is not applicable)

I / We submit the following certificates in support of our suitability, technical knowledge and capability for having successfully completed the following eligible similar works: -

Name of work	Certificate from

Certificate:

It is certified that the information given in the enclosed eligibility bid are correct. It is also certified that I/we shall be liable to be debarred, disqualified/cancelation of enlistment in case any information furnished by me/us found to be incorrect.

Enclosure:

Seal of bidder &Signature (s) of bidders (s)

FORM 'A'

FINANCIAL INFORMATION

Name of the firm / Bidder…….:

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

Sr. No.	Particulars	Financial Year				
		2021-22	2022-23	2023-24	2024-25	2025-26
1.	Gross annual turnover on similar works.					
2.	Profit/loss (standalone finance statement and consolidated financial statement both)					

2. Financial arrangements for carrying out the proposed work

Signature of Chartered Accountant with Seal

SIGNATURE (S) OF BIDDER (S)

FORM 'B'

Form of Banker's Solvency Certificate from a Commercial Bank

To,

EXECUTIVE ENGINEER (E),
MUMBAI-IV, CPWD,
MUMBAI-37

This is to certify that to the best of our knowledge and information that M/s /Sh. ….....having marginally noted address, a customer of our bank are / is respectable and can be treated as good for any ..... engagement up to a limit of Rs. …...…..... (Rupees ……..). This certificate is issued without any guarantee or responsibility on the bank or any of the officers.

NOTE
(Signature) For the bank.

1. Banker's certificate should be on letter head of the bank, sealed in cover addressed to tendering authority.
2. In case of Partnership firm, certificate should include names of all partners as recorded with the Bank.

FORM 'B1'

FORM FOR CERTIFICATE OF NET WORTH FROM CHARTERED ACCOUNTANT
(Not more than six months old)

"It is to certify that as per the audited balance sheet and profit & loss account during the financial year ....., the net worth of M/s ..... (Name & Registered Address of Individual/Firm/Company), as on ..... (The relevant date) is Rs. …... ..... after considering all liabilities. It is further certified that the Net Worth of company has not eroded by more than 30% in the last three years ending on (Relevant date)."

Unique Document Identification Number (UDIN)…..……

Signature of Chartered Accountant

.....

Name of Chartered Accountant

.....

Membership No. of ICAI.

Date and Seal

NOTE: i. In case of partnership firm, certificate should include names of all partners as recorded with the Chartered Accountant.
ii. The certificate should not be more than 6 months old on the last date of Tender Submission.

FORM 'C'

DETAILS OF ELIGIBLE SIMILAR NATURE OF WORKSCOMPLETED DURING THE LAST SEVEN YEARS ENDING PREVIOUS DAY OF LAST DAY OF SUBMISSION OF TENDER

Name of the Firm/Bidder: - ……..

Sr No.	Name of work / Project and location	Owner or sponsoring organization	Cost of work in Rs. In Lacs	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 office	Whether the work was done on back to back basis Yes/No
1	2	3	4	5	6	7	8	9	10

* Indicate gross amount claimed and amount awarded by the arbitrator

Signature of Bidder (s)

FORM "E"

STRUCTURE & ORGANISATION

1. Name & address of the bidder

2. Telephone no./Telex no./Fax no.

3. Legal status of the bidder (attach copies of original document 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 (attach attested photocopy)

Organisation /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 Limited Company/Joint Venture, ever been convicted by the court of law? If so, give details.

8. In which field of Civil Engineering construction the bidder has specialization and interest?

9. Any other information considered necessary but not included above.

Signature of Bidder(s)

Annexure-I

UNDERTAKING REGARDING OBTAINING GST REGISTRATION CERTIFICATE AS APPLICABLE

If work is awarded to me, I/we shall obtain GST registration Certificate of the State, in which work is to be taken up, 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 a/c of the work executed and/ or for any action taken by CPWD or GST department in this regard.

Signature of Bidder(s)
or an authorized Officer
of the firm with stamp
Signature of Notary with seal

Annexure-II

UNDERTAKING FOR OBTANING ELECTRICAL CONTRACTOR LICENSE

If work is awarded to me, l/we shall obtain Electrical Contractor License, or if I/we do not possess in my/our name a valid electrical license as required, I/we shall associate an agency having such a license required for execution of work as applicable, within one month from the date of receipt of award letter or before release of any Payment by CPWD, whichever is earlier, failing which l/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 concerned competent authority in this regard.

Signature of Bidder(s)
or
an authorized Officer of the firm
with stamp Signature of Notary
with seal

Annexure-III

AFFIDAVIT FOR NON-EXECUTION OF WORKS ON BACK TO BACK BASIS

Name of Work: - Replacement/Installation of 02 Nos 10-passenger lifts serving G+5 Floors in IPO, Boudhik Sampada Bhawan, Mumbai.

I/We undertake and confirm that eligible similar works(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 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.

Signature of the Bidder
Address

Annexure-IV

AFFIDAVIT FOR NON-BLACKLISTING

Name of work: Replacement/Installation of 02 Nos 10-passenger lifts serving G+5 Floors in IPO, Boudhik Sampada Bhawan, Mumbai.

I / We undertake and confirm that our firm / partnership firm has not been black listed by any state / Central Department / 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 CPWD in future forever. Also, if such information comes to the notice of the 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 Earnest Money Deposit / Performance Guarantee (scanned copy of this notarized affidavit to be uploaded at the time of submission of bid)

Note: Affidavit to be furnished on a Non Judicial stamp paper worth Rs.100/ -

Date

Signature of the Bidder(s) with Stamp

Signature of Notary with seal

Annexure-V

(ON LETTER HEAD OF THE AGENCY)

UNDERTAKING for MAF (manufacturer authorization form) submission for the work of :-" Replacement/Installation of 02 Nos 10-passenger lifts serving G+5 Floors in IPO, Boudhik Sampada Bhawan, Mumbai.

To,
EXECUTIVE ENGINEER (E),
MUMBAI - IV, CPWD,
MUMBAI–37.

Subject: Submission of Manufacturer Authorization Form (MAF) from OEM for Audio and Video Equipment.

Sir,

I/We, M/s **,----------,** hereby undertake that in the event of award of the work to us and issuance of Letter of Acceptance (LOA), we shall submit the Manufacturer Authorization Form (MAF) in the format prescribed at Annexure–VI from the respective Original Equipment Manufacturer (OEM) for the proposed Audio and Video Equipment as per tender conditions, specifications and approved makes, within 15 (Fifteen) days from the date of issue of LOA.

Further, we hereby undertake and agree that in case of failure to submit the aforesaid MAF(s) within the stipulated period of 15 (Fifteen) days from the date of issue of LOA, **the Department shall be at liberty to take appropriate action as per tender conditions, including forfeiture of Earnest Money Deposit (EMD) and/or Performance Guarantee (PG), as applicable.**

We also confirm that the OEM authorization submitted shall clearly establish support for supply, installation, testing, commissioning, warranty and after-sales support of the offered products.

Yours faithfully,

For M/s _____

Authorized Signatory
Name: _____
Designation: _____
Seal of Firm

Manufactures' Authorization Form (MAF) (to be filled by OEMs) **ANNEXURE- VI**
(ON THEIR LETTER HEAD)

for the work of :-" Replacement/Installation of 02 Nos 10-passenger lifts serving G+5 Floors in IPO, Boudhik Sampada Bhawan, Mumbai.

To,

EXECUTIVE ENGINEER (E),
MUMBAI -IV, CPWD, MUMBAI-37

Subject: Manufactures' Authorization Certificate for tender ID :

Name of work :- Replacement/Installation of 02 Nos 10-passenger lifts serving G+5 Floors in IPO, Boudhik Sampada Bhawan, Mumbai.

Sir,

We, **M/s** _____, having our registered office at _____, are the Original Equipment Manufacturer (OEM) of _____ **(Equipment/Product Name)**.

We hereby authorize **M/s** _____, having its office at _____, to quote, supply, install, test, commission and provide warranty/after-sales support for our products for the work **"**_____**"** against Tender ID _____.

We confirm that the products offered by our authorized bidder shall be genuine and shall conform to the tender specifications and approved makes stipulated in the tender documents.

We further confirm that we shall extend full technical support, warranty obligations **(including comprehensive onsite guarantee/warranty for a period of two (01) year and a product warranty of five (05) years for all equipment supplied under this tender from the date of handing over of the system)**, availability of spare parts, and after-sales service support during the warranty/Defect Liability Period and thereafter, as applicable.

We also undertake that in the event of M/s _____ being awarded the work, we shall provide all necessary support for successful execution and completion of the work.

This authorization is issued specifically for the above tender and shall remain valid for the entire period of execution of the contract including warranty obligations.

Yours faithfully,

For M/s .....,

Counter Signature

(Authorized signatory of manufacturer of Equipments)

Main Contractor

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
Percentage Rate Tender & Contract for Works

Tender for the work of :-" **Replacement/Installation of 02 Nos 10-passenger lifts serving G+5 Floors in IPO, Boudhik Sampada Bhawan, Mumbai."**

(i) Tender to be submitted / uploaded by **03:00 PM** on **07/12/2026** upload at www.etender.cpwd.gov.in

(ii) Technical bid to be opened in presence of tenderers who may be present at **03:30 PM** on **07/12/2026** in the office of **EXECUTIVE ENGINEER (E), MUMBAI-IV, CPWD, MUMBAI-37**

TENDER

I/We have read and examined the notice inviting tender, schedule, A, B, C & D 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 **Seventy-Five (75) days** from the due date of its opening in case of two bid system 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 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 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, beat 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 (c) 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 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 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 ₹..... in words
(Rupees.....).

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

(a) .....

(b) .....

(c) .....

Dated: …….
(For & on behalf of President of India)
Signature…….……Designation…….……

PROFORMA OF SCHEDULES

(FOR MAJOR COMPONENT– ELECTRICAL WORK)

SCHEDULE 'A'		
Schedule of quantities		As per enclosed Schedule of Quantities
SCHEDULE 'D'		
Extra schedule for specific requirements/ document for the work, if any.		General Conditions, Additional Specifications
SCHEDULE 'E'		
Reference to General Conditions of contract:		General conditions of contract for CPWD works-2023 (Construction Works) with amendment issued up to the date of submission of tender
Name of work		**Replacement/Installation of 02 Nos 10-passenger lifts serving G+5 Floors in IPO, Boudhik Sampada Bhawan, Mumbai.**
Estimated cost of work		**Rs 39,72,523/-**
(i)	Earnest money	**Rs. 79,450/-** (to be returned after receiving performance guarantee)
(ii)	Performance Guarantee	**Performance Guarantee shall be 5% of tendered value or ECPT, whichever is higher. In case the tendered amount is less than 80% of ECPT, additional Performance Guarantee equal to the difference between 80% of ECPT and tendered amount shall also be obtained with 5% of ECPT.**
(iii)	Security Deposit	2.5% (Two & Half percent)
SCHEDULE 'F' - GENERAL RULES & DIRECTIONS:		
Officer inviting tender		Executive Engineer (E), Mumbai-IV, Cpwd, Mumbai-37
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with clauses 12.2(c)		100%
Definitions:		
2(vi)	Engineer-in-Charge	Executive Engineer (E), Mumbai-IV, Cpwd, Mumbai-37
2(viii)	Accepting Authority	Executive Engineer (E), Mumbai-IV, Cpwd, Mumbai-37
2(x)	Percentage on cost of materials and labour to cover all overheads and profits.	15% (7.5% for Profits + 7.5% for overheads)
2(xi)	Standard Schedule of Rates	Delhi Schedule of Rates 2025 (E&M)
2(xii)	Department	Central Public Works Department
9(ii)	Standard CPWD Contract Form	GCC – for Construction work 2023 CPWD Form 7 modified & Corrected up to last date of submission of 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 Days
(ii)	Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above	03 Days

Clause 2	
Authority for fixing compensation under clause 2.	**Chief Engineer, MUMBAI-II, CPWD, Mumbai–20.**

Clause 5

Number of days from the date of issue of letter of acceptance for reckoning date of start	10 days from date of issue of letter of acceptance or date of handing over of site, whichever is later.

Schedule of rate of recovery for delay in submission of the modified programme in terms of delay days. (Recovery to be made on per day @Rs.5000/-)

Mile stone(s) as per table given below: -

S. No.	**Description of milestone**	**Time allowed in days (from the actual date of start)**	**Amount to be withheld in case of non-achievement of milestone (%age of tendered amount)**
1.	Submission of program schedule chart, submission of layout drawings, submission of bill of quantities and make & TDS of material for approval from the Engineer In-charge.	10 days	1.25
2.	Supply of equipment and associated accessories.	45 days	1.25
3.	Completion of work in all respect.	85days	1.25
4.	Testing & commissioning of whole system and handing over to client.	90 days	1.25

Note :- 1) The withheld milestone will be released only when subsequent milestone is achieved within the specified time.

2) Recovery for delay in submission of Monthly Progress Report: Monthly recovery for delay in submission of the monthly progress report within specified period: **Rs. 500/- per day (not exceeding Rs. 5000/- per month)**

Authority to decide:

(i)	**Authority to convey the decision of shifting of milestones and Extension of time**	**Executive Engineer (E), Mumbai-IV, CPWD, Mumbai-37**
(ii)	**Authority to decide rescheduling of mile stones and Extension of time**	**Executive Engineer (E), Mumbai-IV, CPWD, Mumbai-37**
(iii)	Shifting of date of start in case of delay in handing over of site	**Executive Engineer (E), Mumbai-IV, CPWD, Mumbai-37**

Clause 6	
Computerized Measurement Book (CMB)/ Electronic Measurement Book (EMB) through CPWD ERP portal	Electronic measurement book (EMB) through CPWD ERP Portal / ~~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	**Rs. 10.00 Lakh** or as mutually agreed by both the parties.

Clause 7A		
Whether Clause 7A shall be Applicable		**Yes** (No Running Account Bill shall be paid for the work till the applicable labour licences, registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable are submitted by the contractor to the Engineer-in-charge).
Clause 10B (ii)		
Whether clause 10-B(ii) shall be applicable		Not applicable
Clause 10C Components of labor expressed as percent of value of work:		Not Applicable
Clause 10CC		Not Applicable
Clause 11		
	(i) Specifications to be followed for execution of work	• CPWD civil Specifications 2019 Vol. 1 and Vol. 2 or latest version of above specifications • CPWD Specification for Electrical works 2023 (Internal & External), substation(2013) & NBC2026.
Note		1. All above specifications shall be applicable along with all correction slips issued by authority of Director General, CPWD up to the last date of submission/ uploading of bid.

12.2 (C)	Deviation Limit beyond which clauses 12.2 (c) shall apply for building work	100%
Clause 12.4 (i) (ii)	Deviation limit beyond which clauses 12.2 (C) shall apply for foundation work. (except items mentioned in earth work subhead in DSR and related items). Deviation limit for items mentioned in earth work subhead of DSR and related items.	Not Applicable Not Applicable

Clause 16	
Competent Authority for deciding reduced rates	**Chief Engineer, MUMBAI-II, CPWD, Mumbai–20.**

Clause-17:

Defect Liability Period	In supersession of Clause 17 and other provisions in the NIT, Defect Liab Period for the Work shall be **12 months** after Date of completion of work

Clause-18: Provisions added as below:

The Contractor shall deploy T&P, Plant and Equipment required for execution of work within contract period. Schedule of deployment of the equipment shall be as per requirement of work for completion of work as per work program within stipulated time and contractor himself shall be responsible for their efficient use avoiding any idling. ***No damages/compensation shall be payable on account of idle Manpower, Labour, T&P, Plant and Equipment and Loss of Profit etc. for whatsoever reason, not even for delay in work due to justified hindrance's.***

Clause 19	
Authority to decide penalty for each default.	**Engineer-in-Charge.**
Clause 19C : *Rs.500/- for each default*	
Clause 19G : Rs.500/- for each default	
Clause 19D : Rs.500/- for each default per day (subject to max 5% of ECPT)	
Clause 19K : Rs.500/- per tradesman per day	
Clause 25 Settlement of disputes by Conciliation and Arbitration	
(i) Conciliator	SDG(Mumbai) (or his successor or any other authority as notified by department)
(ii) Arbitrator appointing Authority	Chief Engineer, MUMBAI-II, CPWD, Mumbai–20.
(iii) Place of Conciliation	Mumbai.

Clause 32

Requirement of Technical Representative (s) & recovery Rate

Cost of work (Rs. In Crores	**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**			
More than 15 lac to 1.5 crore	Graduate Engineer / Diploma Engineer	1	2 or 5 years respectively	Project Manager cum planning/ quality/site/ billing Engineer	Rs. 15,000/- per month per person

Note:

1. Assistant Engineers retired from Government services, who are Diploma holders will be treated at per with Graduate Engineers. Diploma holder with minimum 10 years relevant experience with a reputed construction company can be treated at par with Graduate Engineers for such deployment subject to the condition that such diploma holders should not be in excess of 50% of requirement of degree engineers.
2. The above given strength shall be required to be deployed as per the approved work programme.
3. The Tenderer shall submit a certificate of employment of the technical representative (s) (in the form of copy of Form -16 or CPF deduction issued to the Engineers employed by him) along with every account bill/final bill and shall produce evidence of regular physical availability of such engineers on the above project at any times if so, required by the Engineer-in-charge.
4. The Recovery on account of non-deployment of technical staff shall be made by the Engineer in Charge of the respective Discipline / Component.

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PART- B

BRIEF PARTICULARS OF THE WORK

1. Salient details of the work for which bids are invited are as under:

Sl. No.	Name of work	Estimated Cost	Period of Completion
1.	**Replacement/Installation of 02 Nos 10-passenger lifts serving G+5 Floors in IPO, Boudhik Sampada Bhawan, Mumbai.**	**39,72,523**/-	03 (Three) Months

2. The work is situated at IPO, Boudhik Sampada Bhawan, Mumbai, Mumbai.

3. Work shall be executed according to General Conditions of Contract for Central P.W.D. Works Available separately at printer's outlets.

TECHNICAL SPECIFICATIONS AND ADDITIONAL, GENERAL TERMS AND CONDITIONS

Name of Work: Replacement/Installation of 02 Nos 10-passenger lifts serving G+5 Floors in IPO, Boudhik Sampada Bhawan, Mumbai.

Site Information:

IPO, Boudhik Sampada Bhawan, Mumbai.

(i) The tenderer should, in his own interest, visit the site and familiarize himself 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 in 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.

2. Safety Codes and Labour Regulations

a) 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) B.I.S. recommendations, factory act, and workman's compensation act. CPWD code and instructions issued form 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 form the contractor.

i) The contractor shall provide necessary barriers, signals and other safety measures wherever necessary so as to avoid accident. He shall also indemnify CPWD 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 form 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.

3. Works to be arranged by the department

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

ii) 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.

4. 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) Suspenders, brackets and floor/wall supports for suspending/ supporting cable tray etc.
ii) Painting of all exposed metal surfaces of equipments and components with appropriate colour as per relevant part of bid document.
iii) Making opening in the wall/floors/slabs or modifications in the existing openings wherever provided for cable/cable tray etc. Opening in the slab/retaining walls/brick wall etc. shall be made by means of core cutting machines only.
iv) All electrical works including cable/wires, earthing etc. beyond power supply made available by the department.
v) Making good all damages caused to the structure during installation and restoring the same to their original finish.
vi) 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.)

5. 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 thirty 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 drawings submitted by him are approved either in full or in part as the case may be.

6. 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.

7. Scope of Electrical & Mechanical Work

The work is to be executed on percentage rate basis. The cost of labor, material, tools and plants and machinery required for execution of the whole project as per Layout plan, detailed design and drawings/specifications as approved is within the scope of this work.

(i) The agency must study various CPWD specifications; get themselves acquainted with site and site conditions, provision for firefighting system for various building in local byelaws, CPCB norms and additional conditions carefully. The work shall be executed in close coordination with the progress of building work.
The construction of tower shall be monolithic. So the agency has to lay conducting work and fixall switch boxes, DBs etc. along with precast activity

(ii) The works shall be executed as per CPWD's General specification for Electrical Works, Part-I (Internal-2023); Part-II (External)-2023; Part-III (Lifts and Escalators) -2003, Part-IV (Substation)-2013, Part-V (Wet Riser and Sprinkler System for Fire Fighting Installation)-2020, Part-VI (Fire Detection and Alarm System)-2018, Part-VII (DG Set)-2013, Medical Gas Pipe Line System-2022, IE Rules, Indian Standards amended up to date and as per direction of Engineer-in-Charge. The additional conditions &specification given along with the NIT are to be read with above and in case of any discrepancy, the following order of preference shall be observed:-

a) General conditions, Additional conditions & specification and list of preferred makes in NIT.
b) Local bye laws
c) CEA regulations on measures relating to safety and electric supply 2010
d) National Building code 2016
e) ECBC 2017

f) CPWD general specifications for electrical works amended up to date
g) National electrical code 2011 amended up to date
h) Relevant BIS standards as modified up to date
(Note: The higher specifications / stringent conditions among the above shall be followed).

(iii) All the equipment's shall be delivered with (i) Manufacturer´s test certificate, (ii) Manufacturer´s technical catalogues and Installation / Instruction (O&M) manuals.

(iv) The design layout plans / drawings / other documents pertaining to E & M services shall have to be submitted for approval and got proof checked by an institute of repute as defined /mentioned in the bid-document within the time period as specified in the table of mile stone.

(v) **Inspection Before Dispatch:**

(a) All Routine Tests shall be conducted before dispatch of equipments. No equipment shall be dispatched out from the manufactures premises before such tests are conducted and test result recorded. These test certificates shall be given along the supply of equipments. The Engineer In-charge shall, if he so desires inspect and witness the pre-delivery tests. For this purpose, the agency shall give 15 day advance notice. Agency shall arrange for inspection of the department. Department shall bear expenses of its officials for inspection as far as traveling, boarding and / lodging is concerned. However, the inspection shall be done at the discretion of the department without any cost implication but Routine Test &Type Test Certificates shall have to be submitted for equipments.

(b) Prior to dispatch, all equipments shall be adequately protected & insured for the whole period of transit, storage and erection against corrosion and incidental damages etc. from the effect of vermin, sunlight, rain, heat and humid climate.

(vi) **Procedure for Approval of Materials, Shop Floor Drawings and Commencement of Work**

Within the time specified in table of milestone, the contractor shall submit following documents for approval.

(i) List of makes & Model numbers of all items of equipments and accessories each sub Head of work. Sample of material wherever desired by Engineer in charge/required.
(ii) Catalogues of the equipment's to be supplied.
(iii) Shop floor drawings of each packages/ Sub work separately for approval.

It is the responsibility of the tenderer to get the makes, models and shop floor drawings approved by the Engineer -In-charge before placing of order.

(vii) **Insurance:**

The agency shall include storage cum erection insurance including third party insurance right from the storage to commissioning and handing over of various equipments. In insurance, the beneficiary shall be Engineer -In-charge at the cost of the agency. All insurance which the agency is required to enter into under the contract shall be affected any authorized general insurance company and the agency shall produce the policies of insurance. In case of any delay in Installation, Testing, Commissioning & handing over, the insurance cover will be suitably extended by the contractor at his own cost.

(viii) **Remedy of Failure to Insure:**

If the agency fails to effect and keep in force the insurance referred to in the preceding subclause the department may affect and keep in force any such insurance and pay such premium as may be necessary for that purpose and from time to time deduct the amount, so paid by the department, from any money due or which may become due to bids or recover the same as debit from the agency's bill.

(ix) **Quality of Material and Workmanship:**

All parts of the equipment shall be of such design, size and material so as to function satisfactorily under all rated conditions of operation. All components of the equipments shall have adequate factor of safety. The work of fabrication and assembly shall conform to sound engineering practice and on the basis of "Fail Safe Design". The mechanical parts subject to wear and tear shall be easily replaceable type. The construction of the equipments shall be such as to facilitate easy operation, inspection, maintenance and repairs. All connections and contacts shall be designed to minimize risk of accidental short circuits caused by animals, birds and vermin etc. All identical items and their component parts should be completely, interchangeable including spare parts.

(x) **Inspection and Testing at Site:**

(i) The installation shall be subject to necessary inspection during every stage of erection, by the Engineer In-charge or his authorized representative. The successful bidder shall provide all facilities and assistance for the purpose.
(ii) The completed installation shall be inspected and tested by the Engineer-in charge in the manner as will be laid down by him, in consultation with the agency.
(iii) All instruments and facilities necessary for the tests shall be provided by the agency.

(xi) **Completeness of Work:**

(i) The installations shall be completed in all respects and put in to operation even where certain details have not been mentioned / left out in these specifications.
(ii) All electrical & mechanical fittings / fixture / appliances, to be provided for the work, where BEE certification is available should have either 5-star rating (of BEE)

or ECBC Plus. Since, the proposed construction is for GRIHA Rating Three, all fittings and fixtures of minimum requirement required for the GRIHA Rating Three shall be provided.

(iii) SLD of all installations shall be prepared in color print, got laminated in suitable size and displayed suitably at respective plant room etc.

The CPWD specifications are available at CPWD website "cpwd.gov.in". The department shall not be responsible for the lack of knowledge and also the consequences thereof to the Contractor. The information and data mentioned in the tender document have been furnished in good faith and for general information and guidance only. If the data or information furnished in tender document is different from data / drawing after Preparation of architectural drawings, design approved for construction, the Engineer-in-Charge in no case shall be held responsible for any accuracy thereof and / or interpretations or conclusions drawn therefrom by the Contractor. All consequences in this regard shall be borne by the Contractor and no claim from the Contractor, whatsoever, shall be entertained by the department. It is presumed that the Contractor has satisfied himself for all possible contingencies, situations, bottlenecks and acts of coordination, which may be required between different agencies.

(xii) **Incidental Charges:**

All incidental charges of any kind including cartage, storage, wastage and safe custody of material etc. shall be borne by the Contractor.

(xiii) **Quality Assurance:**

The Contractor shall make available, on request from the Department, for record, copies of invoices, challans, cash memos, receipts and other certificates, if any, vouchers towards the quantity and quality of various materials procured and the same shall be kept in record. These shall also provide information on the name of the manufacturer, manufacturer's product identification, manufacturer's instructions, warning, date of manufacturing and test certificates from manufacturers for the product for each consignment delivered at site, shelf life, if any, for the department to ensure that the material have been procured from the approved source and of the approved quality, as directed by the Engineer-in-Charge. Day to day account of receipt of such material shall be maintained at site of work and shall be regulated by the department. Nothing extra shall be payable on this account.

(xiv) **Storage of Materials:**

Storage and safe custody of all materials shall be the sole responsibility of the Contractor. Nothing extra shall be payable on this account.

(xv) **Quality Control and Testing Of Materials:**

(i) Only articles classified as first quality by the manufacturers shall be used unless otherwise specified. The Engineer in charge may relax the condition regarding testing if the quantity of the materials required for the work is small. In all cases proof of procurement of materials from authentic manufacturers shall be provided by the contractor to the entire satisfaction of Engineer-in-charge. All materials equivalent to the one specified should be got approved by the Engineer-in-charge before using the said materials in the work.

(ii) If the department desires to send any samples of materials for testing in a accredited laboratory, the Contractor at his own expense shall supply all materials, labour for preparing and testing samples as required by the Engineer-in-Charge. The testing shall be carried out in the presence of the representative of the Engineer- in- Charge. The transportation and testing charges shall also be borne by the contractor.

(iii) The testing plan for quality control for material/equipment shall be as per CPWD Quality Assurance Policy and checklist for E&M services-2016.

(xvi) No foreign exchange shall be made available by the department for importing (purchase) of equipments, plants, machinery, materials of any kind. No delay and no claim of any kind shall be entertained from the Contractor on account of variation in the foreign exchange rate and/or any Custom duties / charges or any other levies.

(xvii) **No Waiving Of Legal Rights and Powers:**

The Engineer-in-Charge shall not be precluded or stopped from taking any measurements, and framing of estimates or detaining any certificates made either before or after the completion and acceptance of the work and payment, from showing the true amount and character of the works performed and materials Furnished by the Contractor and from showing that any such measurements, estimates or certificates untrue or incorrectly made and that Engineer-in-charge shall not be precluded or stopped from recovering from the Contractor such damages as it may be sustained by reasons of his failure to comply the terms and conditions of the contract.

(xviii) The tenderers shall take into account the element of wastage(s) those are likely to be there in all elements of the work and quote his price, taking that into account. The tenderers shall study all the items from the point of view of wastage(s), which are likely to take place.

(xix) **Power supply and water supply.**

Power supply required for construction; testing & commissioning shall have to be arranged by the bidder. Water required for testing of equipment's is also in the scope of agency.

(xx) **Extent of Work**

The work shall comprise of entire labour including supervision and all materials necessary to make a complete installation and such tests and adjustments and commissioning, as may be required by the department. The term complete installation shall not only mean major items of the plant and equipments covered by specifications but all incidental sundry components necessary for complete execution and satisfactory performance of installation with all layout charts whether or not those have been specifically mentioned in bill of quantity in the tender document. The decision of the engineer-in- charge in the matter shall be final and binding upon the contractor.

The description of E &M service & specification are given in general but they are not exhaustive i.e. does not mention all the incidental works required to be carried out for complete execution of the item of work. The work shall be carried out, all in accordance with true intent and meaning of the specifications and the drawings taken together, regardless of whether the same may or may not be particularly shown on the drawings and/ or described in the specifications, provided that the same can be reasonably inferred there from. There may be several incidental works, which are not mentioned in the contract document/specifications but will be necessary to complete the item in all respect. All these incidental works/ costs which are not mentioned, but are necessary to complete the work shall be deemed to have been included in the overall amount quoted by the contractor for various components of work. Being EPC Contract no adjustment of rates shall be made for any variation in quantum of incidental works due to variation/change in actual working drawings. Also, no adjustment of rates shall be made due to any change in incidental works or any other deviation in such element of work (which is incidental to the items of work and are necessary to complete such items in all respects) on account of the directions of Engineer-in-charge. Nothing extra shall be payable on this account.

(xxi) **Supervision of Work:**

The Contractor shall depute Site Engineers & skilled/qualified workers as required for the work as per the documents required in technical bids. He shall submit organization chart along details of Engineers and supervisory staff. The Contractor shall also furnish list of persons for specialized works to be executed for various items of work. The Contractor shall identify and deploy key persons having qualifications and experience in the similar and other major works, as per the field of their expertise. If during the course of execution of work, the Engineer-in-Charge is of the opinion that the deployed staff is not sufficient or not well experienced; the Contractor shall deploy more staff or better-experienced staff at site to complete the work quality and in stipulated time limit.

(xxii) **Cooperation with Other Agencies**

The successful tenderer shall ensure proper coordination between various associate contractors executing the work of different E&M services in the construction of buildings, if any, and exchange freely all technical information so as to make the execution of this work/contract smooth. No remuneration should be claimed from the department for such technical cooperation. If any unreasonable hindrance is caused to other agencies and any completed portion of the work has to be dismantled and re-done for want of cooperation and coordination by the tenderer during the course of work, such expenditure incurred will be recovered from the successful tenderer if the restoration work to the original condition or specification of the dismantled portion of the work was not undertaken by the tenderer himself.

(xxiii) **Painting**

This shall include cost of painting of the entire installation. The major equipments shall be factory final finish painted. The agency shall be required to do only touching to the damages caused to the painting during transportation, handling & installation at site, if there is no major damage to the painting. However hangers, supports etc. of bus trunking shall be painted with required shade including spray painting with two coats of anticorrosive primer paint at site.

(xxiv) **Guarantee**

All equipments shall be guaranteed for a period of 12 months, from the date of taking over the installation by the department/Client, against unsatisfactory performance and/or break down due to defective design, workmanship or material. The equipments or components, or any part thereof,so found defective during guarantee period shall be forthwith 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 the Engineer-in-charge in this regard shall be final & binding on the contractor.

(xxv) **Guarantee regarding LED light fixtures**

The 5 years guarantee shall be furnished by the agency from the OEM/Authorized dealer of the LED fixtures/fittings. The guarantees shall be submitted before final payment and shall not in any way limit any other rights to correct which the Engineer-in-charge may have under the Contract. In addition to above, 5% (five percent) of the cost of total LED light fixtures shall be withheld from the bills towards guarantee as per decision of Engineer-in-Charge whose decision will be final and binding. This amount to be withheld towards guarantee shall be in addition to the other amounts to be withheld as mentioned elsewhere in the contract agreement. However, one-fifth (1/5) of this withheld amount would be released after every year from the date of completion of the work, if the performance, as required, is satisfactory.

(xxvi) **Undertaking from OEM for specialized E&M works**:

The agency shall submit an undertaking from the OEM regarding

(a) That OEM will unconditionally support technically throughout the execution of contract as well as for Maintenance/ Comprehensive Maintenance Contract for the useful life of thesystem, and

(b) The OEM will provide all the spares required for healthy functioning of the equipment for at least five years from the date of completion of the project.

(xxvii) **Approval from local authorities**

(a) The contractor / consultant shall submit all details all details and carryout liaison / coordination work with agencies for obtaining NOC / approval for 11 KV / 33 KV electric sub-station / approval of electrical load / release of load / load sanction for each flat / premises. Similarly, the contractor shall obtain NOC / approval from pollution control board or any other authority as reqd.

(xxviii) **Training**

The scope of works includes the on job technical training of two persons of department at site. Nothing extra shall be payable on this account.

(xxix) **Erection Tools**

No tools and tackles either for unloading or for shifting the equipments for erection purposes would be made available by the department. The successful tenderer shall make his own arrangement for all these facilities.

(xxx) **Care of the Building**

Care shall be taken by the contractor while handling and installing the various equipments and components of the work to avoid damage to the building. He shall be responsible for repairing all damages and restoring the same to their original finish at his cost. He shall also remove at his cost all unwanted and waste materials arising out of the installation from the site of work.

(xxxi) Foundation of all equipment's as per recommendations of OEM, Anti vibration isolators etc as required shall be provided

(xxxii) Table and chair etc required for installing/placing any Hardware like computer/software including providing any facility for operation of such devices shall be provided

(xxxiii) Minor building works necessary for installation of equipments, foundation, trench for fuel line & cable, making of opening / core cutting in walls or in floors and restoring those to their original condition/finish and necessary grouting etc. as required shall be done by the agency.

(xxxiv) All support for exhaust & water pipes, chimney, bus trunking, cables, anti- vibration pads etc. as reqd.shall be provided necessary.

(xxxv) All electrical work and neutral earthing, body earthing, control and instrument wiring, requiredfor any E&M equipment shall be as per good engineering practice.

(xxxvi) Scaffoldings & any other T & P required for execution, testing and commissioning of work shall be arranged by the contractor and is included in the cost of work tendered by the contractor.

(xxxvii) In case, the EIA (Environmental Impact Assessment) require any increase in the capacity of equipments, the same shall be executed by the contractor with no extra cost.

(xxxviii) **Terms of Payments:-**

Following payment terms shall be applicable.

i) No advance payment shall be made.

ii) Following percentage of contract rates shall be payable against the stage of work shown herein:

S.No.	Stage of Work	Payment Terms
1	After initial inspection (wherever specified) and delivery at site in good condition on pro-rata basis	**70%**
2	On completion of installation in all respect on prorata basis	**20%**
3	On testing, Commissioning, Obtaining Clearance from Local Body and handing over to the department for beneficial use	**10%**

8. Electrical works shall be executed by the agency having valid electrical contractor license and specialized electrical & mechanical works by specialized agencies of respective specialized works and having experience in similar works or authorized service providers of respective specialized works. If the main agency is not having valid electrical contractor license and not having experience of similar specialized E&M works then the main agency shall have to associate agency having valid electrical contractor license for electrical works and specialized agencies for specialized E&M works. The main agency will submit necessary relevant papers in respect of electrical license, experience of similar specialized E&M works to the Engineer-in-Charge of minor component through Engineer-in-Charge major component for approval of associate agencies by competent authority of the department (CPWD) as per provision given in CPWD works manual'2022 for association of agencies.

9. **Terminology:**

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

10. **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.

11. 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.

EXECUTIVE ENGINEER (E),
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Additional Terms and Conditions (Internal E.I)

1. The work shall be carried out strictly in accordance with CPWD specification for electrical works 2023 (Internal) and 2023 (External) and as amended up to date and in accordance with Indian Electricity Rules, 1956, India Electricity Act, 2003 as amended up to date and as per instructions of the Engineer-in-Charge.
2. All the material to be used on this work by the contractor shall be approved from the Engineer- in-Charge in advance before installation at the site.
3. The contractor shall initially submit the drawing/sketch/layout of the proposed work to EIC, which shall be approved by EIC after due examination. The contractor shall then start the work as per approved layout.
4. All damages done to the building during the execution of electrical work shall be the responsibility of the contractor and the same will be made good immediately at his own cost to the satisfaction of the Engineer-in-Charge. In case, the repair is not satisfactory, the department will get it rectified &any expenditure incurred by the department in this condition shall be recovered from the contractor and decision of the Engineer-in-charge about recovery shall be final & binding on the contractor.
5. The bad workmanship will not be accepted and defects shall be rectified at contractor's cost to the satisfaction of the Engineer-in-Charge. The program of electrical works is to be coordinated in accordance with occupants of the building as well as with civil works.
6. All the debris of the electrical works should be removed and the site should be cleared by the contractor immediately after the accruing of debris daily. Similarly, any rejected material should be immediately cleared off from the site by the contractor.
7. The contractor or his engineer is bound to sign the site order book as and when required by the Engineer-in-Charge and to comply with the remarks therein.
8. The contractor shall make his own arrangement at his own cost for Electrical/ General tools and plants required for the work.
9. Main board and main distribution board: - The contractor shall have to get the sample approved before the whole lot is brought to site and it shall include all inter connections etc. The main board, distribution board shall be properly labeled.
10. The rates tendered should be inclusive all taxes and duties. Statutory deductions at source shall be made while releasing payment through running/final bills as applicable. A certificate specifying the rate and amount of deduction shall however issue by the department.
11. The entire installation shall be at the risk and responsibility of the contractor until these are tested and handed over to the department. The watch & ward is the responsibility of the contractor till handing over. In case of any loss due to theft, the same shall be made good by the contractor on its own expenses
12. Notwithstanding the schedule of quantities, all items of interrelated works considered necessary to make the installation complete and operative are deemed to be included, shall be provided by the contractor at no extra cost.
13. The connection, inter connection, earthing and inter earthing shall be done by the contractor wherever required and nothing extra shall be paid on this account.
14. Nothing extra shall be paid for inter connections with thimbles/Wires/Tapes strips etc. used on the work.

15. The contractor has to make his own arrangements for stores and watch and ward and no extra claim for this will be entertained.
16. The wiring and conduit route shall be marked by the contractor in the drawing first, and shall be got approved from the Engineer-in-charge.
17. Make of MCB/MCCB shall be the same as the make of MCB DB as per approved make of list.
18. The contractor shall on demand by the Engineer-in-charge, furnish the proof to the satisfaction of Engineer-in-charge regarding purchase of Wires, Modular switches & accessories, MCBs MCBDB, MCCB, LED fitting and accessories and other items, from the manufactures authorized outlets.
19. Cutting of brick walls shall be done with due care. All repairs and patch works shall be neatly carried out to match the original finish and to the entire satisfaction of the Engineer in Charge.
20. All the sub main and circuits wiring includes loose wire for connections inside switch boxes and MCB DBs. No payment for these loose wires shall be made.
21. The connection between incoming switch/isolator and bus bar shall be made with suitable size of thimble and cable at no extra cost.
22. Copper conductor of insulated cables of size 1.5 Sq.mm and above shall be stranded and terminals provided with crimped lugs.
23. All hardware items such as screws, thimbles, GI wire etc. which are essentially required for completing an item as per specification will be deemed to be included in the item even when the same have not been specifically mentioned.
24. Any conduit which is not be wired by the contractor shall be provided with GI fish wire for wiring for some other agency subsequently. Nothing extra shall be paid for the same.
25. While laying conduit, suitable size junction boxes shall be provided for pulling the wire as per the decision of the Engineer-in-Charge.
26. The make of the materials have been indicated in the list of preferred makes. No other makes will be acceptable. The materials to be used in the work shall be got approved by the Engineer in Charge/his representative before its use at site. The E-in-C shall reserve the right to instruct the contractor to remove the material which, in his opinion, is not acceptable.
27. Where switches/sockets/regulator/telephone/TV/internet outlets are to be provided, the same shall be of only one make.
28. The materials used in the work shall be of preferred make as per Appendix-I.
29. Defect Liability Period: All the installations shall be guaranteed for a period of 12 months from the date of completion. Any defective materials and equipment shall be replaced free of cost at the direction of the Engineer-in-Charge.
30. The dismantled materials shall be retained by the contractor under buy back after the dismantling for which no extra payment shall be made.
31. As the existing fittings shall be replaced by energy efficient LED fittings, the size of the same may be different therefore contractor has to paint the ceiling/wall as per the existing colour of ceiling/wall and nothing shall be paid extra against it.

EXECUTIVE ENGINEER (E),
MUMBAI-IV, CPWD, MUMBAI-37.

LIFT
TECHNICAL SPECIFICATIONS AND COMMERCIAL CONDITIONS

GENERAL:

1.1. The specification covers manufacture, testing as may be necessary before dispatch, delivery at site, all preparatory work, assembly and installation, commissioning putting into operation of Lifts & Escalators. The Lift/Escalator will be installed at Execution of Electro-Mechanical Services works for above mentioned name of work

1.2. The work shall be executed as per CPWD General Specifications for Electrical Works (Part-III – Lifts & Escalators–2003) as per relevant IS and as per directions 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 & conditions as the same are to be read along with schedule of quantities for the work.

1.3. The tenderer should in his own interest visit the site and familiarize himself with the site conditions before tendering.

1.4. No T&P shall be issued by the Department and nothing extra shall be paid on account of this.

2.0 TECHNICAL CLARIFICATIONS:

2.1 The tenderers are advised not to deviate from the technical specifications/ items, commercial terms and conditions of NIT like terms of payment, guarantee, arbitration clause, escalation etc.

2.2 Necessary clarifications required by the department shall have to be furnished by the tenderer within the time given by the department for the same. The tenderer will have to depute his representative to discuss with the officer(s) of the department as and when so desired OR as and when pre bid conference is invited by department. In case, in the opinion of the department a tenderer is taking undue long time in furnishing the desired clarifications, his bid will be rejected without making any reference.

3.0 TERMS & PAYMENT:

The following percentage of contract rates for the various items included in the contract shall be payable against the stage of work shown herein.

3.1 70% after initial inspection and delivery at site in good conditions of pro-rata basis.

3.2 90% after completion of installation in all respect.

3.3 95% will after testing, commissioning trial run and

3.4 100% after handing over to the user department of beneficial use.

3.5 The Department is free to get the lift inspected from any of the external inspection agency and contractor shall be corporation with external agency in getting the inspection done. All defects/observation made by the inspecting agency shall be complied by contractor without any extra cost.

1. The contractor has to carry out routine and preventive maintenance for 12 months from the date of handing over. Nothing extra shall be paid.

5.0 <u>Completeness of tender:</u>

All sundry equipment, fittings, unit assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections, and all other items which are useful and necessary for efficient assembly and installation of equipment and components of the work shall be deemed to have been included in the tender irrespectively of the fact whether such items are specifically mentioned in the tender documents or not.

6.0 For items/equipment requiring initial inspection at manufacturer's works' the contractor will intimate the date of testing of equipments at the manufacturer's works before dispatch. The department also reserves the right to inspect the fabrication job at factory and the successful tenderer has to make the arrangement for the same. The successful tenderer shall give sufficient advance notice regarding the

dates proposed for such tests/inspection to the department's representative(s) to facilities his presence during testing/fabrication. The Engineer-in-charge at his discretion may with such testing /fabrication. The cost of the Engineer's visit to the factory will be

borne by the Department. Also equipment may be inspected at the Manufacture's premises, before dispatch to the site by the contractor.

7.0 Storage and custody of materials:

The agency has to make his own arrangement for storage of materials. However if room is available at site the same may be used. No separate storage accommodation shall be provided by the department. Watch and ward of the stores and their safe custody shall be the responsibility of the contractor till the final taking over of the installation by the department.

8.0 Care of the Building:

Care shall be taken by the contractor while handling and installing the various equipments and components of the work to avoid damage to the building. He shall be responsible for repairing all damages and restoring the same to their original finish at his cost. He shall also remove at his cost all unwanted and waste materials arising out for the installation from the site of work. The bldg. at present is in use the contractor has to do barricading & put caution board.

9.0 Completion period:

The completion period as indicated in the tender documents is for the entire work of planning, designing, supplying, installation, testing, commissioning and handing over of the entire system to the satisfaction of the Engineer-in-Charge.

10.0 Performance Guarantee:

10.1 The tenderer shall guarantee among other things, the following:

a) Quality, Strength and performance of the materials used.
b) Safe mechanical and electrical stress on all parts under all specified conditions of operation.
c) Satisfactory operation during the maintenance period.

11.0 Guarantee:

11.1 All equipments shall be guaranteed for a period of 12 months from the date of taking over the installation by the department against unsatisfactory performance and/or break down due to defective design, workmanship of material. The equipments or components, or any part thereof, so found defective during guarantee period shall be forthwith 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 the Engineer-in-Charge in this regard shall be final. The firm will be required to attend to the breakdowns calls as and when required and also ensure timely periodically checks for lifts as per CPWD Specifications and standard trade practice.

12.0 Power Supply:

Electric service connection of 415 Volt, 3 phase, 4 Wire, 50 Hz, AC supply shall be arranged by the contractor.

13.0 Water Supply:

Water supply shall be made free of cost by the main contractor.

14.0 Data Manual and Drawings to be furnished by the tenderers.

14.1 The tenderer shall furnish along with the tender, detailed technical literature, pamphlets and performance data for appraisal and evaluation of the offer.

14.2 After Award of work:

The successful tenderer would be required to submit the following drawings within a month of award of work or as per Engineer in charge requirement for approval before commencement of installation.

a) All general arrangement drawings.
b) Details of foundations for the equipments, load data, location etc of various assembled equipment as may be needed generally by other agencies for purpose of their work. The data will include breaking load on guides, reaction of buffers on lift pits reaction on support points in machine room, lift well etc.
c) Complete layout dimensions for every unit/group of units with dimensions required for erection purposes.

d) Any other drawing/information not specifically/mentioned above but deemed to be necessary for the job by the contractor.

15.0 The successful tenderer should furnish well in advance three copies of detailed instructions and manuals of manufactures for all items of equipments regarding installation, adjustments operation and maintenance including preventive maintenance and troubleshooting together with all the relevant data sheets, spare parts catalogue and workshop procedure for repairs, assembly and adjustment etc all in triplicate.

16.0 Extent of work:

16.1. The work shall comprise of entire labour including supervision and all materials necessary to make a complete installation and such tests and adjustments and commissioning as may be required by the department. The term complete installation shall not only mean major items of the plant and equipments covered by specifications 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 details in the tender document in connection with this contract.

16.2. Minor building works necessary for installation of equipments, foundation, making of opening in walls or in floor and restoring to their original conditions, finish and necessary grouting etc. as required. All the T Sections/ MS work shall be carried out by the agency required for the installation of the lift and nothing shall be paid extra for the same.

16.3. Maintenance (Routine & Preventive) for one year from date of completion and handing over.

17.0 Inspection and testing:

17.1. Copies of all documents of routine and type test certificates of the equipment, carried out at the manufacturers premises shall be furnished to the Engineer-in-Charge and consignee.

17.2. After completion of the work in all respect the contractor shall offer the installation for testing and operation.

18.0 Validity: AS PER Part-C

19.0 Compliance with Regulations and Indian standards.

19.1 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) Factories Act.
ii) Indian Electricity Rules.
iii) I.S. & B.S. Standards as applicable.
iv) Workmen's Compensation Act.
v) Statutory norms prescribed by local bodies.

19.2 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.

19.3 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.

20.0 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 department shall not 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 due to the above.

21.0 Erection Tools:

No tools and tackles either for unloading or for shifting the equipments for erection purposes would be made available by the department. The successful tenderer shall make his own arrangement for all these facilities.

22.0 Cooperation with other agencies:

The successful tender shall co-ordinate with other contractors and agencies engaged in the construction of building, if any, and exchange freely all technical information so as to make the execution of this works contract smooth. No remuneration should be claimed from the department such technical cooperation. If any unreasonable hindrance is caused to other agencies and any completed portion of the work has to be dismantled and re-done for want of cooperation and coordination by the successful tenderer during the course of work, such expenditure incurred will be recovered from the successful tenderer if the restoration work to the original condition or specification of the dismantled portion of the work was not undertaken by the successful tenderer himself.

23.0 Mobilization Advance:

No mobilization advance shall be paid for this work.

24.0 Insurance and Storage:

All consignments are to be duly insured up to the destination from warehouse to warehouse at the cost of the supplier. The insurance covers shall be valid till the equipments is handed over duly installed, tested and commissioned.

25.0 Verification of correctness of Equipment at Destination:

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

26.0 Painting:

This shall include cost of painting of entire exposed iron work complete in the installation. All equipments works shall be painted at the works before dispatch to the site.

27.0 Training:

The scope of training programme will include operation and manual rescue training of two persons at site. Nothing extra shall be payable on this account.

28.0 Maintenance:

28.1. Sufficient trained and experienced staff shall be made available to meet any exigency of work during the guarantee period of one year from the handing over of the installation.

28.2. The maintenance, routine as well as preventive for one year from the date of taking over the installation as per manufacturer's recommendation shall be carried out and the record of the same shall have to be maintained.

29.0 Interpreting Specifications:

In interpreting the Specifications, the following order of decreasing importance shall be followed in case of contradictions:

a) Schedule of quantities.
b) Technical Specifications.
c) Drawing (If any).
d) General Specifications.
e) Relevant IS or other international code in case IS code is not available.

30.0 Provision for Handicapped Persons(For passenger lift)

Passenger Lifts shall be suitable for Accessible India guidelines for handicapped persons. Braille type special push buttons shall be installed in all the lifts for blind people and other provisions as required for making lift barrier free are included in this scope of work.

31. The Contractor(s) shall take all precautions to avoid accidents by exhibiting necessary caution boards day and night, speed limit boards, red flags, red lights and providing barriers. He shall be responsible for all damages and accidents caused to existing/new work due to negligence on his part. No hindrances shall be caused to traffic during the execution of the work. In case of any accident of labours/ contractual staff's the entire responsibility will rest on the part of the contractor and any compensation under such circumstances if becomes payable the same shall be entirely born by the contractor and department shall have not role on this account.

32. The Contractor(s) shall take instructions from the Engineer-in-Charge regarding collection and stacking of materials at any place. No excavated earth or building rubbish shall be stacked on areas where other buildings, roads, services and compound walls are to be constructed. However if any change is required, the same shall be done with the approval of Engineer-in-Charge & no extra payment shall be made on this account.

33. The contractor shall take all safety precautions to avoid accidents by exhibiting caution boards, red flags, red light and by providing necessary barriers and all other measures required from time to time. The contractor shall be responsible for all damages and accidents due to negligence on his part.

34. The contractor shall give due notices to Municipality, Police and/or other authorities that may be required under the laws/rules under force and obtain all requisite permissions/licenses for temporary obstructions/enclosures and pay all charges which may be leviable on account of his execution of the work under the agreement. Nothing extra shall be payable on this account.

35. The contractor shall leave such recesses, holes, openings, etc., as may be required for the electric, air-conditioning and other related works. (For this purpose any required inserts, sleeves, brackets, conduits, base plates, clamps etc. shall be arranged by the contractor and fix the same at the time of casting of concrete, stone work & brick work, if required, and nothing extra shall be payable on this account.

36. The contractor shall be responsible for the watch and ward of the site/property/material provided by his and materials issued by the department against pilferage and breakage during the period of execution and thereafter till the work is completed and physically handed over to the department.

37. The contractor shall ensure quality construction in a planned and time bound manner. Any substandard material or work beyond set out tolerance limits shall be summarily rejected by the Engineer-in-charge.

38. The contractor shall have to engage well experienced skilled labour and deploy modern T&P and other equipments to execute the work.

39. The contractor will have to ensure that the skilled labour i.e. wireman etc., Engaged in the execution of the work must possess valid electrical license, otherwise he will not be permitted to execute the work.

40. The contractor shall be responsible for removal of all defects in the work during the guarantee/warranty period. The department shall carry out routine maintenance only. However, if any failure is noticed during this period which is attributable to poor quality of material and bad workmanship, the contractor will be required to rectify the same at his own cost, failure of which the department will be at liberty to get the defects rectified at the risk & cost of the contractor. The contractor will also be required to carryout his own inspection/testing during the guarantee/warranty period and attend to any defect taking place during this period.

41. Any damage caused to the building, during the execution of work shall be responsibility of the electrical contractor. The damage so caused shall be made good to the satisfaction of the Engineer-in-charge. The decision of the Engineer-in-charge shall be final and binding.

42. The Department is free to get the lift inspected from any of the external inspection agency and contractor shall be co-operation with external agency in getting the inspection done. All defects/observation made by the inspecting agency shall be complied by contractor without any extra cost.

43. <u>Technical Specifications-1</u>

- Quantity- 1 (One) unit(s)
- Capacity -10 persons, 680 Kgs
- Speed -1 m/s
- Stops & Openings- 6 Stops, 6 Openings

- Control- Simplex Collective Selective Control
- Drive- ACVVVF
- Power supply- 415 volts, 3 phase, 50Hz, AC
- Hoist way dimensions- 1900 Width x 2100 mm Depth (Approx)/As per Site Condition
- Car travel- 10 Mtrs (Approx)
- Overhead -4500mm
- Pit depth -1600mm
- Car dimensions :- As per Accessible Norms of India
- Car door -ATO with ACVF drive in Stainless steel Moonrock finish
- Landing door- (Group1) ATO in Stainless steel Moonrock finish on 3 floors
- Car design - All car walls in Stainless steel Moonrock/Honeycomb finish
- Car suspended ceiling- Stainless steel Hairline finish with Square/Round LED for car lighting
- Car flooring - granite/marble flooring
- Handrail- Round handrail in Stainless steel finish provided on all walls of car as per CPWD Specifications.
- Landing operating panel- Individual landing operating panel for each elevator
  Features included:
  - Alarm button in car operating panel with battery back-up
  - Automatic operation for car fan
  - Adjustable door open time
  - Anti-nuisance (empty car)
  - Anti-nuisance (car call cancellation at direction reversal)
- Blower fan in car for ventilation
- Braille on push buttons
- Car call cancellation by double pressing floor button in car operation panel
- Door open and door close buttons in car operating panel
- Door closing retries
- Door nudging
- Emergency light
- Full load by-pass
- Home landing
- Infra-red screen for car door
- Intercom
- Jammed landing operating panel call button by-pass
- Motor overheat protection
- Overload function with audio-visual indication in car operating panel
- Phase failure and phase reversal protection
- Automatic rescue device in case of power failure
- Attendant control
- Red dot matrix scrolling display in car operating panel
- Red dot matrix scrolling display in landing operating panel on All Floors
- Fireman control
- Fireman emergency return

Proforma-I

Eligibility of Lifts

The eligibility criteria of Lift works shall be as per DG OM No. DG/SE (E)-TAS/PPP-M/II order/22(H) dated 28/09/2020.

केंद्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

सं.– महानिदेशक/अधीक्षण अभियंता(वै)टास/पीपीपी–एम आई आई आर्डर/22
निर्माण भवन, नई दिल्ली दिनांक 28.09.2020

विषयः **Eligibility Criteria for Lift Works (Revision-3)**

Eligibility Criteria for Lift Works (Revision-2) in CPWD notified vide OM No. महानिदेशक/अधीक्षण अभियंता(वै)टास/ पीपीपी–एम आई आई आर्डर/17 dated 20-04-2020 is hereby revised and notified as enclosed, since the list of designated labs or certifying agencies has not been issued by the Bureau of Indian Standards yet. This supersedes all earlier issued eligibility criteria for lift works. This shall come into force with effect from the date of issue of this order.

This issues with the approval of DG, CPWD.

अनुलग्नक: यथोपरि

(डी के तुलानी)
अधीक्षण अभियंता (वै)
तकनीकी अनुप्रयोग एवं मानक

फाइल नं ई–9077096/30(1)/लिफ्ट–बैठक/मु. अभि. सी एस क्यू (वै)/2017 से जारी

सेवा में, (केवल केंद्रीय लोक निर्माण विभाग की वेबसाइट के माध्यम से)

सभी विशेष महानिदेशकों, अतिरिक्त महानिदेशकों, के. लो. नि. वि., प्रमुख अभियंता, लो. नि. वि., दिल्ली, सभी मुख्य अभियंताओं, मुख्य अभियंता एवं कार्यकारी निदेशकों, अधीक्षण अभियंताओं, अधीक्षण अभियंता एवं परियोजना निदेशकों, कार्यपालक अभियंताओं, कार्यपालक अभियंता एवं वरिष्ठ प्रबंधकों, के. लो. नि. वि. को सूचनार्थ एवं आवश्यक कार्रवाई हेतु।

Proforma - II

Eligibility Criteria for Lift Works (Revision-3)

1. The lift manufacturer shall comply with BIS standards, duly certified by the manufacturer itself.
2. The manufacturer shall be compliant to the Public Procurement (Preference to Make In India), Order 2017 (as amended from time to time) issued by the Department of Industrial Policy and Promotion (DIPP), Ministry of Commerce and Industry.
3. The experience of successful completion of similar works shall be as per CPWD Works Manual/SoP.
4. The manufacturer shall furnish an undertaking regarding availability of spares for the entire expected life of the lift i.e. 15 to 20 years.
5. The complete lift installation including its components, safety devices, various types of controls etc., testing, inspection, operation & maintenance shall conform to relevant Codes, Standards, code of practices, guidelines, safety rules, inspection manual(s), rules issued by Bureau of Indian Standards, as amended up to the last date of receipt of tenders.
6. Quality standards shall conform to latest IS/ISO-9001:2015.
7. The down time of installed lifts being maintained by the manufacturer shall not be more than 8 hours (average) in case of minor faults and 7 days (average) in case of major faults during the last one financial year.

Annexure-I

List of Acceptable Makes of Electrical Items

Name of Work: Replacement/Installation of 02 Nos 10-passenger lifts serving G+5 Floors in IPO, Boudhik Sampada Bhawan, Mumbai.

S.NO.	DESCRIPTION	MAKES
1.	M S Conduit	NIC/BEC /AKG
2.	PVC Conduit/ Cable Trunking	Legrand/ MK/ SGI
3.	Lugs, Glands And Ferrules	Dowells/Jainson/ Asian/ Comet
4.	Phenolic Laminated Sheets	Hylam/Formica White
5.	DWC Pipe	Rex/Dura Line/ BEC/ Jain/Sudhakar/Tirupati/ Himalaya
6.	LED Fittings	Havells/ Phillips/ Crompton/ Wipro/ LT/ Trilux/ Regent
7.	MCB DB / MCB/Industrial Sockets	LEGRAND/SCHNEIDER/SIEMENS/ABB/HAGER/C&S
8.	ACB/MCCB/TAP Off Box/Contactor	LEGRAND/SCHNEIDER/SIEMENS/ABB/ L&T/Hager
9.	Wire/Cable	Polycab/RR Kabel /Havells/ Skytone/KEI
10.	Modular Type Switch/Socket/ Regulator/ GI Box	Legrand/Crabtree/L&T/Havells/ABB
12.	Fans	Havells/Crompton/Bajaj/Orient/Usha
13.	Any other spares	As specified by Engineer-in-Charge or its authorized representative.

EXECUTIVE ENGINEER (E),
MUMBAI-IV, CPWD, MUMBAI-37

SCHEDULE OF WORK

Name of Work:- Replacement/Installation of 02 Nos 10-passenger lifts serving G+5 Floors in IPO, Boudhik Sampada Bhawan, Mumbai.

S.N.	Description of Item	Quantity		Rate	Unit	Amount
1	Supplying, installation, testing & commissioning of 10 passenger (680 kg) lifts having contract speed of 1.0 MPS serving different floors etc as reqd.					
	Location of lifts: Brahmaputra Apartment					
1.1	Speed 1.0 MPS					
1.2	Floors G + 5					
1.3	Travel: 19.00 Meters (approx.)					
1.4	Stops & opening: 6 Nos.					
1.5	Controller : A.C. variable voltage & variable frequency					
1.6	Automatic rescue device complete with dry maintenance free batteries as required.					
1.7	Operation: Microprocessor based single automatic push button /Simplex selective collective / Duplex collective selective with / without attendant.					
1.8	Power – 415V, 3 phase, 50Hz, 4 wires system					
1.9	Type of doors					
1.10	Car: Power operated, centre opening, horizontal sliding stainless steel scratch proof (Honey comb finish)					
1.11	Landing doors: Stainless steel scratch proof (Honey comb finish).					
1.12	A hand rail not less than 600mm long at 900mm above floor to be					
1.13	Voice announcement system in the car to announce the position of the elevator in the hoistway as the car passed or stops at a floor served by the elevator					
1.14	Providing and fixing of hairline finish stainless steel 304 fixture / plate for covering the open area of entrance landing door & Sill area of each floor etc. complete as required.					
1.15	Providing and fixing of hairline finish stainless steel 304 landing hall call fixture / plate for covering the open area of landing hall call button of each floor, if required.	2.00	No.	2126247.00	Each	4252494.00

2	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 A & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	14.00	Nos.	659.00	Each	9226.00
3	Supplying and fixing following size/modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.					
3.1	1 or 2 Module	14.00	Nos	354.00	Each	4956.00
4	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required					
4.1	5/6 A switch	14.00	Nos	121.00	Each	1694.00
5	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.					
5.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	45	Mtrs.	267.00	Mtr.	12015.00
6	Wiring for light/ power plug with 2X4 sq. mm FRLS/HFFR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit along with 1 No. 4 sq. mm FRLS/HFFR PVC insulated copper conductor single core cable for loop earthing as required.	80	Mtrs.	373.00	Mtr.	29840.00
7	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)					
7.1	6 way, Double door	1	Nos.	2390.00	Each	2390.00
8	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C"curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc as required.					
8.1	Single Pole	8	Nos.	285.00	Each	2280.00
9	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					

9.1	25 A	2	Nos	2141.00	Each	4282.00
10	Supplying, Installation,Testing and commissioning of LED bulkhead fitting, lumenoutput not less than 1100 lumens, CRI >= 80 System Efficacy >= 110 Lumens /Watt, CCT >= 6500 K, IP66 aluminium die cast,environmental friendly energy efficient ready to use pack suitable 230 volts 50 hz ACsupply including connection with 1.5 mm FRLS PVC insulated flexible copper wire complete etc. as required.	28.00	Nos	1789.00	Each	50092.00
11	Earthing with G.I. earth pipe 4.5 meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (with charcoal/ coke and salt) as required.	4.00	Nos	7658.00	Each	30632.00
12	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	80.00	Mtrs.	287.00	Per Mtr	22960.00
13	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	40.00	Mtrs.	755.00	Per Mtr	30200.00
14	Supplying and fixing FP sheet steel enclosure on surface/ recess along with 63 A 415 V "C" curve FP MCB complete with connections, testing and commissioning etc. as required.	4.00	Nos.	2184.00	Each	8736.00
15	Dismantling of the existing 10-passenger lift, including all associated components and accessories such as control panel, motor, H-beams, I-sections, guide rails, lift car, buffer springs, and other related items, complete in all respects, on an “as-is, where-is” basis, including safe dismantling and removal, segregation and handing over of dismantled materials for credit, and making good the affected areas, complete as required at site and as directed by the Engineer-in-Charge.	2.00	Nos.	-244637.00	Each	-489274.00
					Total	**3972523.00**
					Say Rs.	**3972523.00**

EXECUTIVE ENGINEER (E),
MUMBAI-IV, CPWD, MUMBAI-37

PART - C

(PRICE BID)

Central Central Public Works Department				
NIT No. 79 / EE (E) / MUMBAI - IV / 2026-27				
NAME OF WORK- Replacement/Installation of 02 Nos 10-passenger lifts serving G+5 Floors in IPO, Boudhik Sampada Bhawan, Mumbai.				
PRICE BID				
Name of the Contractor				
Name of component	**Estimated cost**	**Percentage above or below the estimated cost**	**% in Figures**	**Total Cost**
Electrical	**Rs 3972523.00**			
GRAND TOTAL	**Rs 3972523.00**			
GRAND TOTAL IN WORDS: - Rupees Thirty Nine Lakh Seventy Two Thousand Five Hundred Twenty Three Only				

EXECUTIVE ENGINEER (E),
MUMBAI-IV, CPWD, MUMBAI-37.