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Certified that this Draft NIT contains pages from 1 to 28.

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



GOVT. OF INDIA
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.
Tel. : 022 - 2401 3803 Fax : 022 - 2401 1330
E-Mail : mumceemced2.cpwd@nic.in



NOTICE INVITING e-TENDER
(Applicable for inviting open tenders)

No. : 64(6)/ EE (E)/MUMBAI IV / 2026/482 (H)

Dated : 27 / 05 / 2026

The Executive Engineer (E), MUMBAI-IV, CPWD on behalf of President of India invites online Percentage rate bids from approved and eligible contractors of CPWD of appropriate class in Building & Roads category having valid electrical license for the following work of:

SI. No.	NIT No.	Name of work & Location	Estimated cost put to Tender	Earnest Money	Period of Completion	Last date & time of online Submission of e-Tender	Time & date of submission of physical EMD in the manner as stated in condition no. 10 of CPWD-6	Time & date of opening of Tender
1	2	3	4	5	6	7	8	9
1	29/EE(E)/MUMBAI-IV /2026-27	Upgradation & Renovation and of Internal Electrical Installations in i/c fans, Led fittings in 8 Nos Type-II and 4 Nos Type-III Qtrs at GPRA Quarters at sector VII, Phase I, Antophill, Mumbai-37	₹. 13,95,909.00	₹. 27,918.00	01 Month	03/06/2026 Upto 05.00 p.m.	03/06/2026 Upto 05.00 p.m.	03/06/2026 after 05.30 p.m.

The tender document consisting of 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 or www.cpwd.gov.in & www.eprocure.com free of cost.

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

Copy to :

1. Assistant Engineer (E) II, MUMBAI - IV, CPWD, Mumbai.
2. AAO.
3. etender.cpwd.gov.in

EXECUTIVE ENGINEER (E)

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING
FORMING PART OF BID DOCUMENT AND TO BE POSTED ON WEBSITE

The Executive Engineer (E), MUMBAI-IV, CPWD on behalf of President of India invites online Percentage rate bids from approved and eligible contractors of CPWD of appropriate class in Building & Roads category having valid electrical license for the following work of:

SI. No.	NIT No.	Name of work & Location	Estimated cost put to Tender	Earnest Money	Period of Completion	Last date & time of online Submission of e-Tender	Time & date of submission of physical EMD in the manner as stated in condition no. 10 of CPWD-6	Time & date of opening of Tender
1	2	3	4	5	6	7	8	9
1	29/EE(E)/MUMBAI-IV/2026-27	Upgradation & Renovation and of Internal Electrical Installations in i/c fans, Led fittings in 8 Nos Type-II and 4 Nos Type-III Qtrs at GPRA Quarters at sector VII, Phase I, Antophill, Mumbai-37	₹. 13,95,909.00	₹. 27,918.00	01 Month	03/06/2026 Upto 05.00 p.m.	03/06/2026 Upto 05.00 p.m.	03/06/2026 after 05.30 p.m.

1. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
2. Information and instructions for bidders posted on website shall form part of bid document.
3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website www.etender.cpwd.gov.in or www.cpwd.gov.in or www.eprocure.com free of cost.
4. But the bid can only be submitted after uploading the mandatory scanned documents such as Account Payee Demand Draft / Pay order / Banker's Cheque / FDR / Insurance Surety Bonds / Bank Guarantee of any Commercial Bank towards EMD in favour of **Executive Engineer (E), MCED II, CPWD, Mumbai-37** and other documents as specified. **The contractor already registered on the e-tendering portal will have option to continue by paying tender processing fee up to one year from the date of registration, or to switch over to (new) registration without tender processing fee any time. All new registrations from 01.04.2015 will be without tender processing fee.**
5. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.

6. The intending bidder must have valid Class-III digital signature to submit the bid.
7. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
8. Contractor can upload documents in the form of **JPG format and PDF format**.
9. Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in **yellow color** and the moment rate is entered, it turns **sky blue**.

In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as **"0"**.

Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as **"0" (ZERO)**.

10. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number being suitable by it, if too many bids are received satisfying the laid down criteria.
11. SC/ST contractors enlisted under class V category are exempted from processing fee

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

- i. **Account Payee Demand Draft / Pay order / Bankers Cheque / FDR / Insurance Surety Bonds / Bank Guarantee as per Annexure-III of any Commercial Bank against EMD.**
- ii. **Original EMD to be submitted to any of the Executive Engineer of CPWD as specified at Sr no 9 of PWD-6 within given date and time and receipt of EMD to be uploaded in the section of eligibility document on the web site failing which bid will not be opened As per Annexure - II 20A.14.**
- iii. **Certificate of Registration for GST. If the bidding has not having GST registration then in such case the bidder has to upload undertaking along with other bid document as per Annexure - I.**
- iv. **Copy of Valid order of enlistment of contractor with CPWD.**
- v. **Copy of Valid electrical contractor license.**
- vi. **Contractor is required to submit Certificate that he / his representative has successfully completed training in RFI module imparted by Regional Training Institute across India or any CPWD officer under "Train the Trainee".**
- vii. **Certificate as per Annexure -IV.**
- viii. **Any other relevant documents as per NIT.**

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

CPWD-6 FOR e-TENDERING

1. Online Percentage rate tenders are invited on behalf of President of India from the approved and eligible enlisted contractors of CPWD in appropriate class in Single Bid System for the following work :-

Name of Work:- Upgradation & Renovation and of Internal Electrical Installations in i/c fans, Led fittings in 8 Nos Type-II and 4 Nos Type-III Qtrs at GPRA Quarters at sector VII, Phase I, Antophill, Mumbai-37.

The enlistment of the contractors should be valid on the last date of submission of tenders. In case the last date of submission of tender is extended, the enlistment of contractor should be valid on the original date of submission of tenders.

- 1.1 The work is estimated to cost ₹. **13,95,909/-**
This estimate, however, is given merely as a rough guide.
2. Agreement shall be drawn with the successful tenderer on prescribed Form No. CPWD – 7 (or other Standard Form as mentioned) which is available as a Govt. of India publication and also available on website www.cpwd.gov.in. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **01 (One) Month** 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. The site for the work is available.
5. The tender 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 from the web Site www.etender.cpwd.gov.in or www.cpwd.gov.in or www.eprocure.gov.in free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of tender as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of tender as notified.

8. Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (For balance amount as prescribed) from any of the Commercial Banks (drawn in favour 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 the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving executive Engineer (Including NIT issuing EE/AE) 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.**
9. A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any 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. Copy of Enlistment Order and certificate of work experience and other documents as specified in the press notice shall be scanned and uploaded to the e-Tendering website within the period of bid submission. Online bid documents submitted by intending bidders shall be opened only of those bidders, whose original EMD deposited with any division of CPWD and other documents scanned and uploaded are found in order.
10. Copy of Enlistment Order and other documents as specified in the press notice shall be scanned and uploaded to the e-Tendering website, within the period of bid submission. **However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder only within a week physically in the office of tender opening authority.**
Online bid documents submitted by intending bidders shall be opened of those bidders **whose EMD deposited with any division office of CPWD** and other documents scanned and uploaded are found in order.
11. The bid submitted shall become invalid if:
- (i) The bidders is found ineligible.
 - (ii) **The bidder does not deposit original EMD within given date & time with division office of any Executive Engineer, CPWD (The EMD document shall only be issued from the place in which the office of receiving division office is situated)**
 - (iii) The bidders does not upload all the documents stipulated in the bid document **including the copy of receipt for deposition of original EMD.**
 - (iv) 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.
 - (v) **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 tender.**
 - (vi) The bidder does not upload all the documents related to GST as stipulated in the bid document.

- 12.** The contractor whose bid is accepted will be required to furnish performance guarantee at specified percentage of the tendered amount within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any of the Commercial Banks in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/ registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. If applicable and also ensure the compliance of aforesaid provisions by the sub-contractors, if any engaged by the contractor for the said work within the period specified in Schedule F.
- 13.** Intending Tenderers 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 tenderer 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 tenderer 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 tenderer 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.
- 14.** 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 tenderer shall be summarily rejected.
- 15.** Canvassing whether directly or indirectly, in connection with tenderers is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
- 16.** 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 tenderer shall be bound to perform the same at the rate quoted.

17. 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.
18. 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 afore said before submission of the tender or engagement in the contractor's service.
19. The tender for the works shall remain open for acceptance for a period of **30 days (Thirty Days)** from the date of opening of tenders.
- (i) If any bidder withdraws his bid 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.
- (ii) If any bidder withdraws his bid 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.
- iii) 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.
20. This notice inviting Tender shall form a part of the contract document. The successful tenderer / contractor, on acceptance of his tender by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
- (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 or other Standard C.P.W.D. Form as applicable.

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

CPWD7

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

Percentage Rate Tender & Contract for Works.

**Tender for the : Upgradation & Renovation and of Internal
work of Electrical Installations in i/c fans, Led fittings
in 8 Nos Type-II and 4 Nos Type-III Qtrs at
GPRA Quarters at sector VII, Phase I,
Antophill, Mumbai-37**

- (i) To be submitted by/uploaded by **05.00 p.m.** on **03/06/2026** at www.cpwd.gov.in or etender.cpwd.gov.in.
- (ii) To be opened in presence of tenderers who may be present at **05.30 p.m.** on **03/06/2026** in the office of Executive Engineer (E), Mumbai IV, CPWD, Nirman Sadan, Sector I, Antop Hill, Mumbai – 37

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

TENDER

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

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

We agree to keep the tender open for ~~Fifteen / thirty/ -forty five/ sixty/ ninety~~ **(15/ 30/45/60/90)** days from the due date of its opening / Ninety(90) days from the date of opening of financial bid in case tenders are invited on 2 envelop system/ One hundred twenty(120) days from the date of opening of technical bid in case bids are invited on 3 bid system for specialized work (strike out as the case may be) 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 Darft, 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 in receipt treasury challan/deposit at call receipt of a commercial bank/fixed deposit receipt of commercial bank/demand draft of a commercial bank/bank guarantee issued by a commercial bank is scanned and uploaded. 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 the work as specified, I/we agree that President of India or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, upto maximum of the percentage mentioned in Schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of earnest money or Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

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

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived 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 an on behalf of the President of India for a sum of Rs.....

(Rupees.....).

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

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

For & on behalf of President of India

Signature

Dated:

Designation

PROFORMA OF SCHEDULES

SCHEDULE 'A'

Schedule of quantities (as per PWD-3)

As per schedule of work attached.

SCHEDULE 'D'Extra schedule for specific requirements/
document for the work, if any: -

Terms & Conditions Enclosed.

SCHEDULE 'E'

Reference to General Conditions of contract : Maintenance - 2023

Name of WorkUpgradation & Renovation and of Internal
Electrical Installations in i/c fans, Led fittings in
8 Nos Type-II and 4 Nos Type-III Qtrs at GPRA
Quarters at sector VII, Phase I, Antophill,
Mumbai-37**Estimated cost of work**

: ₹. 13,95,909/-

(i) Earnest Money: ₹. 27,918/- (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% of tendered value.

SCHEDULE 'F'

: General Rules & Directions

Officer inviting tender: Executive Engineer (E), MUMBAI - IV, CPWD,
Mumbai - 37.**Definitions****2(v)** Engineer -in- Charge: Executive Engineer (E), MUMBAI - IV, CPWD,
Mumbai - 37 or his representative.**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%

2(xi) Standard Schedule of Rates

: CPWD DSR 2025 (E&M) / Market Rate

2(xii) Department

: Central Public Works Department.

9(ii) Standard CPWD Contract Form GCC
2023, CPWD Form 7 modified &
Corrected up to date: GCC 2023 Maintenance, Works Manual, SOP
2024 amended upto 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 2A

Whether Clause 2A shall be applicable : **Yes**
Applicable clause 2/ clause 2A (Modified OM No. DG/CON/307 dt. 19.11.2019)

Clause 5

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

Sr.No.	Description of Milestone (Physical)	Time Allowed in Days (from date of start)	Amount to be with-held in case of non achievement of mile stone.
	----- NIL -----		

Time allowed for execution of work.**01 Month**.....

Authority to decide:

- (i) Extension of time : **Executive Engineer(E), Mumbai-IV, CPWD, Mumbai-37**
- (ii) Rescheduling of mile stones : **Executive Engineer(E), Mumbai-IV, CPWD, Mumbai-37.**
- (ii) Shifting of date of start in case of delay in handing over of site : **Executive Engineer(E), Mumbai-IV, CPWD, Mumbai-37.**
 CPWD, Mumbai-20.

PROFORMA OF SCHEDULES Clause 5 Schedule of handing over of site

Part	Portion of site	Description	Time Period for handing over reckoned from date of issue of letter of intent.
Part A	Portion without any hindrance	----- Site Available -----	
Part B	Portion with encumbrances		
Part C	Portion dependent on work of other agencies		

**Applicable clause 5/ clause 5A
(Modified OM No. DG/CON/307 dt. 19.11.2019)**

: Applicable Clause 5A

Clause 5.4

: Schedule of rate of recovery for delay in submission of the modified programme in terms of days : Rs 500 Per Day of Delay

Clause 6

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

: CMB/EMB through CPWD ERP Portal

Clause 7

Gross work to be done together with net payment /adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment

Not less than Rs.4,00,000/- or mutually agreed by Engineer-in-charge & contractors

Clause 7 A

Whether clause 7A shall be applicable

: Yes

Clause 10A

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

: As per site requirement

Clause 10B

Whether Clause 10 B shall be applicable

: No

Clause 10C Applicable

Component of labour expressed as percent of value of Work

: N.A.

Clause 10CC Not Applicable

Schedule of component of other Materials, Labour etc. for price escalation. Component of civil (except materials covered under clause 10CA) /Electrical construction value of work. – Xm..... %
Component of Labour – expressed as percent of total value of work. Y %

Note : Xm.....% should be equal to (100) – (materials covered under clause 10CA i.e. Cement, Steel, POL and other material specified in clause 10CA + Component of Labour)

Clause 11

Specifications to be followed for execution of work

: CPWD General Specification for Electrical work Part-I & II Internal & External - 2023

Clause 12

Authority to decide deviation		
1. Upto 1.25 times of contract amount	:	Executive Engineer (E), MUMBAI-IV, CPWD, Mumbai - 37
2. 1.25 to 1.50 times of contract amount	:	Chief Engineer (Mumbai-II), CPWD, Mumbai - 20

12.2 (c)**Deviation Limit beyond which clauses****shall apply for building work****No Limit****Clause 16****Competent Authority for deciding reduced rates** Chief Engineer, MUMBAI-II,
CPWD, Mumbai-20.**Clause 18**List of mandatory machinery, tools & plants
to be deployed by the contractor at site**: As per requirement at site****Clause 19 (C), 19 (D), 19 (G), 19 (K)****Authority to decide penalty for each default****: Executive Engineer (E), MUMBAI-IV,
CPWD, Mumbai-37****Clause 25**

Constitution of Dispute Redressal Committee (DRC) up to 25 lakhs.

Chairman – **Chief Engineer, MUMBAI-I, CPWD, Mumbai-20.**Member Secretary – **SE (W cum TLQA), CPWD, Mumbai.**Member – **SE, MUMBAI – I, CPWD, Mumbai.****Clause 32****Requirement of Technical Representative(s) and recovery Rate: -**

S. No	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical)	Minimum experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36 (i)	
						Figures	Words
1	Graduate Engineer or Diploma Engineer	E & M	Project Planning /Authority/ Billing Engineer	2 or 5 yrs	1 No.	15000/- Per Month	Rs. Fifteen Thousand per month

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

Diploma holder with minimum 5 year relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.

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

Annexure – I

GST REGISTRATION UNDERTAKING

“If work is awarded to me, I/we shall obtain GST registration Certificate as applicable within one month from the date of receipt of award letter or before release of any payment by CPWD, whoever 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 Contractor

Note : The undertaking should on the letterhead of the bidder.

ANNEXURE II – 20A.14

Receipt of deposition of original EMD (Receipt No..... / Date.....)
<p style="text-align: center;">Name of Work: Upgradation & Renovation and of Internal Electrical Installations in i/c fans, Led fittings in 8 Nos Type-II and 4 Nos Type-III Qtrs at GPRA Quarters at sector VII, Phase I, Antophill, Mumbai-37</p> <p>1. NIT No.: <u> 29 /EE(E)/MUMBAI-IV/2026-27</u></p> <p>2. Estimated Cost : ₹ <u>13,95,909/-</u></p> <p>3. Amount of Earnest Money Deposit :- ₹ <u>27,918/-</u></p> <p>4. Last Date of submission of bid :- <u>03.06.2026.</u></p> <p>5. EMD in favor of Executive Engineer (E), MCED II, CPWD, Mumbai-37</p> <p>(* To be filled by NIT approving authority / EE at the time of issue of NIT and uploaded along with NIT)</p>
<p>1. Name of Contractor :-</p> <p>2. Form of EMD :-</p> <p>3. Amount of Earnest Money Deposit :-</p> <p>4. Date of Submission of EMD :-</p> <p style="text-align: right;">(Signature, Name and Designation of EMD Receiving officer (EE/AE (P)/AE/AAO along with office stamp)</p> <p>(# to be filled by EMD receiving EE)</p>

Note – As per the guidelines of SOP 2024, the authority receiving original EMD shall intimates tender inviting authority about deposition of EMD by the agency by email/fax/telephonically.

ANNEXURE – III

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 / Mobilization Advance

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 writing.
9. This Bank Guarantee shall be valid up to unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. (Rupees only) and unless a claim in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand 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.

ANNEXURE – IV

CERTIFICATES :-

1. The rates quoted are Net and inclusive of all duties, levies & taxes without any conditions. We understand that any condition in the price bid shall make the tender liable for cancellation.
2. I/we have inspected and examined the site and its surroundings is / are satisfied before submitting our bid 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 I/we may require and in general shall myself / ourselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect our bid. I/we shall be deemed to have full knowledge of the site whether I/we inspect it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. I/we shall be responsible for arranging and maintaining at our 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.
3. Submission of a bid by I/we implies that I/we have read this notice and all other contract documents and has made myself / ourselves 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 us by the Government and local conditions and other factors having a bearing on the execution of the work.
4. Certified that except for the departures brought down me / us, the tender complies with the BOQ-Schedule of work, Specifications and Terms & Conditions of the NIT in all respect.
5. The payment will be done as per availability of funds from client side which sometimes get delayed due to administrative reasons. In that case, no interest claim will be made by contractor and it is accepted to the contractor/bidder.
6. Site will be available in scattered way over the mentioned time duration as per contract. No labor wastage will be considered by department.

CONTRACTOR'S Signature with stamp of Bidder

ADDITIONAL TERMS & CONDITIONS

Name of Work : Upgradation & Renovation and of Internal Electrical Installations in i/c fans, Led fittings in 8 Nos Type-II and 4 Nos Type-III Qtrs at GPRA Quarters at sector VII, Phase I, Antophill, Mumbai-37

1. The work shall be carried out in accordance with the General specification for Electrical works of CPWD Part-I (internal) 2023 & Part-II (external) 2023 amended up to date and relevant I.E rules & as per directions of Engineer-in-Charge.
2. The work is to be carried out in workman like manner & generally in accordance with the plans. However, the contractor will be bound to carry out the work with minor deviations over the plans supplied if desired by the Engineer-in-Charge.
3. The Contractor has to make his own arrangement for the storage of the material at site necessary watch and ward of the electrical installation during the execution of work till the same is handed over to the department. No extra payment will be made on this account. The storage space shall however be arranged by the department at the site, if required.
4. All chases, holes, recess etc. for conduits & other allied work shall be done to the original finish as per requirement without any additional cost.
5. All damages to the building made by the contractor shall have to be made good to its original finish as per the requirement within tender amount.
6. All the items to be used in the work should be of good quality and will be got approved from the Engineer-in-Charge before usage in work. The sample of the item shall have to be submitted in advance for this purpose.
7. The contractor shall use any of the makes for use in work as below after confirming the approval of Engineer-in-Charge.

Sr. No.	Description	Makes
a)	FRLS PVC insulated and PVC sheathed copper conductor cable (ISI marked) (Class – II/V)	Polycab / RR Kabel / Havells / KEI
b)	Call Bell/Buzzer	Anchor/Leader/Havells
c)	MCB's, DB / SP / DP MCB / RCCB / RCBO/Sheet Steel Enclosure	Legrand / L&T / ABB / Siemens
d)	BLDC Fan	Havells – Efficiencia Neo (BLDC 26 W) / Orient – Hector – 500 similar to Automberg Efficio/ USHA Technix
e)	Modular type box/plates/ switches, sockets, step type Ceiling Fan regulator& other accessories (ISI Marked/Blanking Plate)	Crabtree-Athena / Legrand -myrius / Schneider – Zencelo / MK- Wraparound / as per existing make at site
f)	PVC Batten/Angle Holder/Ceiling Rose	Anchor/Leader / Anchor / Leader
g)	Wall bracket	Havells - LHFOFUE1TZ1W012 equivalent in Philips / Regent / LT

h)	4' LED fitting	LT/ Regent/ Havells / Philips
i)	2' LED fitting	LT/ Regent/ Havells / Philips
j)	Exhaust fan of 230 mm	Usha – Aeroclean plus / Havells / Orient / Almonard (Model as per approval of Engineer in Charge)
k)	PVC Conduit	BEC/AKG/MODI/PRECISION/pressfit
l)	Plywood	Green Ply/ Century Ply / Kit Ply
m)	Any other material	As approved by Engineer in Charge before supply of material

8. No T & P shall be issued to the contractor.
9. The Contractor is advised to visit the site of work to have an idea of the execution of the work, failure to do so will not absolve their responsibility to do the work as specified in agreement.
10. The contractor has to make his own arrangement for the safety of his workman. Department shall not be responsible in case of any accident taking place during the work.
11. The tendered rates should be inclusive of all taxes, levies, works contract taxes, packing, transportation, handling, duties etc. Nothing extra will be paid on this account.
12. Material shall be procured only after assessing exact quantity at site in consultation with Engineer-in-charge. The quantities taken in schedule of work are tentative.
13. Contractor shall pay payment to labourers (workers) through account payee cheque/ ECS.
14. Contractor shall submit Proof of payment made to labourers engaged for this work in two copies.
15. Payment details shall include name of worker, bank account details, photocopy, amount due, amount paid and cheque number or ECS statement.
16. Contractor shall payment to workers at the rates not less than the rates payable as per minimum labour rates published by labour department Govt. of Maharashtra.
17. The contractor shall depute technically qualified & experienced staff. Staff deputed by contractor for this work shall have no claim on Govt. for continuous appointment or absorption in the department for regular duty. For all purpose the staff shall be and remain employee of contractor. The staff assigning any reason. The decision of Engineer-in-charge shall be final and binding in this regard.
18. The lowest tenderer is bound to submit the list of workers with their qualification, residence proof, photo to this office before or with P.G. If fails their EMD will be forfeited without giving any notice. The letter to commence work shall be issued after receipt of workers details as stated above.
19. The work shall be carried out in occupied quarters, hence on account of wastage of labour nothing extra shall be paid to contractor. The rate shall be quoted while considering the same.
20. The material used in work shall be of as per NIT and purchases from authorized dealer, distributor, manufacturer & document like bill / challan / invoice etc shall be produce to engineer-in-charge for verification of genuineness of material.

- 23. The agency should submit LM79 report from NABL Lab and LM80 report along with 5 years guarantee / warrantee from Luminaries Manufacturer of LED fittings to be provided.**
- 24. During guarantee period agency should Repair / Replaced defective LED fittings within 3 days after received mail / SMS / Letter from department otherwise recovery shall be done 200/- per day per fitting from withhold amount.**
- 25. The amount of 5% of agreement item of LED luminaries / bulb shall be deducted from every running as well as final bills of contractor and retained as Performance Guarantee of LED luminaires for five year after completion of work. This will be refunded @1% after every year after successfully completion of guarantee period (5 year).**
- 26. Site will be available in scattered way over the time frame mentioned in NIT. Contractor/agency have to quote rates accordingly.**
- 27. Payment of bills depends upon the availability from ministry which sometimes get delayed by months. In such conditions, no claim for interest for late payment up to 06 months after submission of bill by the agency will be considered by department.**
- 28. Contractor has to execute the EI work in given quarter within 05 days after the communication made by department. In case of delay of execution of EI work, penalty of Rs. 1000/- per qtr per day or higher as per the decision of Engineer in Charge will be imposed on the agency.**
- 29. All the materials to be used in the work should be good quality and agency/contractor has to get prior approval from the Engineer-in-Charge. The sample of the item along with technical data sheet must have to be submitted in advance for this purpose.**
- 30. The agency has to provide technical representative at site during the execution of work. Only the skilled staff with have to be deputed for execution of work.**

**Executive Engineer (E)
MUMBAI - IV, CPWD, Mumbai-37**

Central Public Work Department

Name of Work: Upgradation & Renovation and of Internal Electrical Installations in i/c fans, Led fittings in 8 Nos Type-II and 4 Nos Type-III Qtrs at GPRA Quarters at sector VII, Phase I, Antophill, Mumbai-37					
Schedule of Quantity					
Sr. No.	Description of item	Qty	Rate	Unit	Amount
<u>SH - I (WIRING)</u>					
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
1.1	Group A	192.00	1189.00	Point	228288.00
2	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	480.00	373.00	Mtr.	179040.00
3	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 2 Nos. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	400.00	587.00	Mtr.	234800.00
4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
4.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	320.00	267.00	Mtr.	85440.00
4.2	2 x 6 sq. mm + 1 X 6 sq. mm earth wire	51.00	482.00	Mtr.	24582.00
5	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
5.1	6 x 1.5 sq. mm	60.00	195.00	Mtr.	11700.00
6	Supplying and fixing of following sizes of medium class PVC conduit, alongwith accessories in surface/ recessed i/c cutting the wall and making good the same in case of recessed conduit as required.				
6.1	25 mm	51.00	168.00	Mtr.	8568.00

7	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	28.00	402.00	Each	11256.00
8	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	92.00	545.00	Each	50140.00
9	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.	80.00	659.00	Each	52720.00
10	Supplying and fixing call bell / buzzer suitable for single phase, 230 Volts, complete as required.	12.00	112.00	Each	1344.00
11	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections painting atc as required.	40.00	807.00	Each	32280.00
12	Supplying and fixing PVC batten/ angle holder including connection etc. as required.	48.00	132.00	Each	6336.00
13	Supplying and fixing following way single pole and neutral, sheet steel, MCB distribution board, 240 volts, 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)				
13.1	12way,Double door	8.00	2871.00	Each	22968.00
13.2	16way,Double door	4.00	3367.00	Each	13468.00
14	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.				
14.1	Single Pole	136.00	285.00	Each	38760.00
15	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.				
15.1	40 A	12.00	2512.00	Each	30144.00

16	Supply, Installation, Testing and Commissioning of ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. metal(Aluminium alloy) blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, steel/Al body. Power actor not less than 0.9, Service Value (CM/M/W) minimum as below, 350 RPM (tolerance as per IS : 374-2019), THD (Total Harmonic Distortion) less than 10%, remote (preferably mobile app based) for speed control and all remaining accessories including safety pin, nut olts, washers, temperature rise=75 0C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC supply Ceiling Fan compliant to IS 374:2019 fan i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single ore cable and earthing etc. as required.				
16.1	1200mm, service value ≥ 6.0 CM/Min/Watt, air delivery 210 CM /Min (Minimum)	28.00	2882.00	Each	80696.00
17	Supplying and fixing DP sheet steel enclosure on surface/ recess along with following rating 240 V DP Isolator complete with connections, testing and commissioning etc. as required.				
17.1	40 A	12.00	864.00	Each	10368.00
18	Supplying, Installation, Testing and commissioning of prewired Polycarbonate Body Decorative fancy Wall Bracket Fitting with B22 Lamp Base suitable for 9 W. LED Bulb i/c all accessories such as covering glass, bracket with base, connection with 3 core X 0.5 sq.mm FRLS insulated, copper conductor, single core unsheathed flexible cable but excluding LED bulb etc as required.	28.00	1364.00	Each	38192.00
19	Supplying, Installation, Testing and commissioning of extruded Aluminium 2' LED fitting with a minimum system lumen output of 1000 lumen & minimum system efficiency of 100 lumen/W. The luminaire shall have a rated system lifetime of 25,000 burning hours at L70. The luminaire should have colour temperature of in the range of 5700 K-6500 K and CRI>80. The luminaire shall meet IP20 rating with integrate driver THD<20%, power should not exceed 12 W and PF > 0.9 i/c. connection with 3 core x 0.5 sq.mm FRLS insulated, copper conductor, single core unsheathed flexible cable and earthing the body etc. complete as required.	12.00	589.00	Each	7068.00

20	LED Batten light (System lumen efficacy ≥ 105 <120 lm/Watt). Supplying, Installation, Testing & Commissioning of LED surface mounted Batten light of following body material and construction as per IS: 10322 with driver (Replaceable) as per the requirement with Driver efficiency >85%, Operating voltage AC 140- 270 Volt, frequency 50/60 hz, Operating temp range - 5°C to 40 °C, internal surge protection of 2.5 KV with Short & Open circuit protection, THD<10%, P. F. ≥ 0.95 , IP20, CRI >80, Flicker free, (flicker should be below 5 %), life time (LED, Driver & electrical circuitry), of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends, CCT 3000°K /4000°K/5700°K /6500°K (As per ANSI Bin), SDCM(Standard Deviation 45 DELHI SCHEDULE OF RATE (E&M) 2025 Colour Matching) <3, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard. Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. complete in all respect i/c external connections with 1.5 sq mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy ≥ 105 <120 lm/Watt output. LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C).				
20.1	4' LED Batten of 18-22 watt	40.00	681.00	Each	27240.00
21	Supplying, Installation, Testing and commissioning of 225 /230 mm sweep full Metallic body, double ball bearing Exhaust Fan with minimum 1300 RPM in the existing opening including providing and fixing suitable size 12 mm thick BWP marine plywood and making suitable size hole for fixing fan on it, making good the damage, connection with 3 core x 0.5 sq.mm FRLS insulated, copper conductor, single core unsheathed flexible cable and earthing the body etc. complete as required.	24.00	3005.00	Each	72120.00

22	Dismantling of MS/PVC switch boxes alongwith hylem / PVC sheet, switches and socket, MCBs, DB, PVC conduit/ casing capping, wall bracket fitting, copper / aluminum wire etc. of following quarters and credit for the dismantled materials on as is where is basis.				
22.2	Type-II	8.00	-1230.00	Each	-9840.00
22.3	Type-III	4.00	-1402.00	Each	-5608.00
	Total				1252070.00
	Add. : Cost Index @ 12.62% on DSR 2025 Item No. 1.1 to 16.1 & 20.1				143838.97
	Total				1395908.97
	Say Rs.				1395909.00

**Assistant Engineer (E) (P),
MUMBAI - IV, CPWD, Mumbai-37**

**Executive Engineer (E)
MUMBAI - IV, CPWD, Mumbai-37**

Bid Sheet

Name of the Contractor					
Sl.No.	Name of component	Estimated cost	Percentage above or below the estimated cost	% in Figures	Total Cost
1	Electrical	1395909.00			-
	Grand Total				-

**Executive Engineer (E)
MUMBA.I - IV, CPWD, Mumbai-37**