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Certified that this N.I.T. contains page 1 to 30

**Assistant Engineer (E)
MCESD-I, Mumbai-II,
CPWD, Mumbai-400 037**

PRESS NOTICE FOR e-TENDERING

The Assistant Engineer (E), MCESD-I, MUMBAI-II, CPWD, Building No. 23, R.G., 2nd Floor, "B" wing, C.G.S. Colony, S.M Road, Sector-7, Antop Hill, Mumbai-37. e-mail ID ae1mced4@gmail.com on behalf of President of India invites online Item rate/percentage rate tenders from CPWD registered contractor in Composite category and those of appropriate list of M.E.S., BSNL, Railway and State P.W.D. (B&R) or State Govt.'s Department dealing with building and roads, if there is no State PWD (B&R), (strike out as the case may be) for the following work(s):

Sr. No.	NIT No.	Name of work & Location	Estimated cost put to bid	Period of Completion	Last date & time of submission of bid and other document as specified in the press notice	Time & date of opening of bid
1	2	3	4	5	6	7
1	77/2021-22/Mumbai-II(Erstwhile MCED-IV)/Mumbai	Operation and Maintenance of Electrical and Mechanical Installation i/c EI & FANS, R/M OF DG SET & S/STATION, LIFT, FFS ,AFAS , W/S PUMP SET and 50 KWp Solar power generation system installed at G+4th stroied new building, old Ground + 1st floor and others buildings and quarters including of National Test House, Marol, Mumbai. SH : Providing power point supply and Copper Earthing for Lab in New Bldg at NTH, Marol Mumbai.	Rs. 5,81,049/-	03 (Three) Months	Upto 03:00 PM. On 22/12/2021	03:30 PM. On 22/12/2021

1. The intending bidder must read the terms and condition of CPWD-6 carefully. He should only submit his bid if he consider himself eligible and he is in possession of all the document required.
2. Information and instruction for bidders posted on website shall form part of the 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.tenderwizard.com/CPWD or www.Tenderwizard.com/cpwd or www.eprocure.gov.in free of cost.
4. **The contractor already registered on the e-tendering portal will have option to continue by paying tender processing fee upto one year from the date of registration, or to switch over to (New) registration without tender processing fee any time. All new registration 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 tendering process as per details available on the website. The intending bidder must have valid class-III digital signature to submit the bid.
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.
10. 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".
11. 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).
12. SC/ST contractor enlisted under class V category are exempted from processing fee payable to ITI.

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

1. EMD declaration proforma on Ten Rupees Non- Judicial Stamp Paper duly Notarized as per OM No. F-9/14/2020-PPD dated 12/11/2020 circulated vide OM No. DG/CON/Misc./17, Dated 02/11/2021 **is to be uploaded in the eligibility document section.**
2. Copy of Enlistment order issued from CPWD in Composite category and Valid Electrical PWD License. **To be uploaded in the eligibility document section.**
3. ~~Certificate of work Experience (if required for non CPWD and CPWD class II contractors)~~
4. ~~Affidavit as per the clause 1.2.3 of CPWD 6 (if required for non CPWD and CPWD class II contractors)~~
5. ~~Two letters from CPWD class I contractors as specified under clause 1.2.3 of CPWD 6 (if applicable)~~
6. **GST Registration certificate and upto date file return of the state in which the work is to be taken up, or as required by GST authorities then in such a case the bidder shall scan and upload following under taking along with other bid documents. 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 payment 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. To be uploaded in the eligibility document section.**
7. **Registrations of EPFO, ESIC. To be uploaded in the eligibility document section**

**Assistant Engineer (E)
MCESD-I, MCED-IV,
CPWD, Mumbai-400 037**

CPWD-6 FOR e-TENDERING

1. Item rate/percentage rate tenders are invited on behalf of President of India from approved and eligible contractors of CPWD and those of appropriate list of M.E.S., BSNL, Railway and State P.W.D. (B&R) or State Govt.'s Department ~~strike out as the case may be~~ dealing with building and roads, if there is no State PWD (B&R) for the work of

Operation and Maintenance of Electrical and Mechanical Installation i/c EI & FANS, R/M OF DG SET & S/STATION, LIFT, FFS ,AFAS , W/S PUMP SET and 50 KWp Solar power generation system installed at G+4th stroied new building , old Ground + 1st floor and others buildings and quarters including of National Test House, Marol, Mumbai.

SH : Providing power point supply and Copper Earthing for Lab in New Bldg at NTH , Marol Mumbai.

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 **Rs. 5,81,049/-**. This estimate, however, is given merely as a rough guide.

- 1.1.1 The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the tenders. He will also nominate Division which will deal with all matters relating to the invitation of tenders.

For composite tender, besides indicating the combined estimated cost put to tender, should clearly indicates the estimated cost of each component separately. The eligibility of tenderer will correspond to the combined estimated cost of different components put to tender.

- 1.2 Intending tenderer is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:-

Criteria of eligibility for submission of tender documents

- 1.2.1 ~~Conditions for Non-CPWD contractors only, if tenders are also open to non-CPWD contractors. For works estimated cost up to Rs. 15 Crore (the figure of Rs. 15 Crore may be modified as per tendering limit of CPWD class I contractors of respective discipline such as Electrical, Horticulture and Furniture etc. as the case may be)~~**

Three similar works each of value not less than Rs. or two similar work each of value not less than Rs. or one similar work of value not less than Rs. (all figures rounded to nearest Rs.10 lac) in last 7 years ending last day of the month previous to the one in which the tenders are invited.

Note :-

For works costing above Rs. 3 Crore but up to Rs. 15 Crore, ~~(the figure of Rs.3 Crore and Rs. 15 Crore may be modified as per tendering limit of CPWD ss II and CPWD Class I contractors respectively of respective discipline such as Electrical, Horticulture and Furniture etc. as the case may be)~~ when tenders are open to non-CPWD contractors also, then class II contractors of CPWD shall also be eligible if they satisfy the eligibility criteria specified in 1.2.1 above.

~~1.2.2 Criteria of eligibility for CPWD as well as non-CPWD contractors. For works estimated to cost above Rs. 15 Crore.~~

~~Three similar works each of value not less than Rs. or two similar work each of value not less than Rs. or one similar work of value not less than Rs. (all figures rounded to nearest Rs.10 lac) in last 7 years ending last day of the month previous to the one in which the tenders are invited.~~

~~The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to the last date of submission of tender.~~

~~To become eligible for issue of tender, the tenderer 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 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. (Scanned copy to be uploaded at the time of submission of bid)~~

~~1.2.3 When bids are invited from non-CPWD contractors and CPWD class II contractors as per provisions of clause 1.2.1 above, it will be mandatory for non-CPWD contractors and CPWD class II contractors to upload the work experience certificate(s) and the affidavit as per the provisions of clause 1.2.3.~~

~~But for such tenders, Class I contractors of CPWD are eligible to submit the bids without submission of work experience certificate and affidavit. Therefore, CPWD class I contractors shall upload two separate letters for experience certificate and affidavit that these documents are not required to be submitted by them. Uploading of these two letters is mandatory otherwise system will not clear mandatory fields.~~

2. Agreement shall be drawn with the successful tenderer on prescribed Form No. CPWD 7/8 (or other Standard Form as mentioned) which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. 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. The site for the work is available.

OR

~~The site for the work shall be made available in parts as specified below:-~~

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 from website www.tenderwizard.com/CPWD or www.cpwd.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. When bids are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the tender submitted earlier shall become invalid.
9. 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. **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 the tender opening authority.**

Online tender documents submitted by intending bidders shall be opened only of those bidders, **whose EMD declaration proforma with other documents scanned and uploaded are found in order.**

The bid submitted shall be opened at 03:30 PM on

22/12/2021.

10. The Bid submitted shall become invalid and cost of bid & e-tender processing fee shall not be refunded if:

- i) The bidder is found ineligible.
- ii) The bidder has to upload all the document (including GST registration) as stipulated in the bid documents in the tender.
- iii) If any discrepancy is noticed between the document as uploaded at the time of submission of bid and hard copies as submitted **physically by the lowest tenderer** in the office of the tender opening authority.

11. The contractor whose tender is accepted, will be required to furnish performance guarantee of 3% (Three Percent) of the tendered amount within the period specified in Schedule F. This guarantee shall be in the form of FDR or BG of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any Scheduled Bank of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India 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 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 with in the period specified in schedule F.

12. 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.

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 tenderer shall be summarily rejected.

14. 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.

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 tenderer 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 gazette 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 gazette 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 tender for the works shall remain open for acceptance for a period of thirty/ ~~forty five/ sixty/ ninety~~ (30/45/60/90) days from the date of opening of tenders/~~Ninety days (90) from the date of opening of financial bid in case tenders are invited on 2/3 bid system / One hundred twenty days (120) from the date of opening of technical bid in case bids are invite on 3 bid system for specialized work~~ (strike out as the case may be) if any tenderer withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy and further the tenderer shall not be allowed to participate in the retendering process of the work as per OM No. DG/CON/Misc./17, Dated 02/11/2021.
19. 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 7/8 or other Standard C.P.W.D. Form as mentioned

20. For Composite Tenders

- ~~20.1.1~~ The Executive Engineer in charge of the major component will call tenders for the composite work. The cost of tender document and Earnest Money will be fixed with respect to the combined estimated cost put to tender for the composite tender.
- ~~20.1.2~~ The tender document will include following three components:
- ~~Part A:~~ CPWD 6, CPWD 7/8 including schedule A to F for the major component of the work, Standard General Conditions of Contract for CPWD 2010 ~~as amended/modified up to~~
- ~~Part B:~~ General / specific conditions, specifications and schedule of quantities applicable to major component of the work.
- ~~Part C:~~ Schedule A to F for minor component of the work. (SE/EE in charge of major component shall also be competent authority under clause 2 and clause 5 as mentioned in schedule A to F for major components) General/specific conditions, specifications and schedule of quantities applicable to minor component(s) of the work.
- ~~20.1.3~~ The bidders must associate with himself, agencies of the appropriate class eligible to tender for each of the minor component individually.
- ~~20.1.4~~ The eligible bidders shall quote rates for all items of major component as well as for all items of minor components of work.
- ~~20.1.5~~ After acceptance of the tender by competent authority, the EE in charge of major component of the work shall issue letter of award on behalf of the President of India. After the work is awarded, the main contractor will have to enter into one agreement with EE in charge of major component and has also to sign two or more copies of agreement depending upon number of EE's/DDH in charge of minor components. One such signed set of agreement shall be handed over to EE/DDH in charge of minor component. EE of major component will operate part A and part B of the agreement. EE/DDH in charge of minor component(s) shall operate Part C along with Part A of the agreement.
- ~~20.1.6~~ Entire work under the scope of composite tender including major and all minor components shall be executed under one agreement.
- ~~20.1.7~~ Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works. The Earnest Money will become part of the security deposit of the major components of work.
- ~~20.1.8~~ The main contractor has to associate agency(s) for minor component(s) conforming to eligibility criteria as defined in the tender document and has to submit detail of such agency(s) to Engineer in charge of minor component(s) within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer in charge of minor component(s).

- ~~20.1.9 — In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer in charge of minor component. The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer in charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.~~
- ~~20.1.10 — The main contractor has to enter into agreement with contractor(s) associated by him for execution of minor component(s). Copy of such agreement shall be submitted to EE/DDH in charge of each minor component as well as to EE in charge of major component. In case of change of associate contractor, the main contractor has to enter into agreement with the new contractor associated by him.~~
- ~~20.1.11 — Running payment for the major component shall be made by EE of major discipline to the main contractor. Running payment for minor components shall be made by the Engineer in charge of the discipline of minor component directly to the main contractor.~~
- ~~20.1.12 — Final bill of whole work shall be finalized and paid by the EE of major component. Engineer(s) in charge of minor component(s) will prepare and pass the final bill for their component of work and pass on the same to the EE of major component for including in the final bill for composite contract~~

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

Name of Work :- Operation and Maintenance of Electrical and Mechanical Installation i/c EI & FANS, R/M OF DG SET & S/STATION, LIFT, FFS ,AFAS , W/S PUMP SET and 50 KWp Solar power generation system installed at G+4th stroied new building , old Ground + 1st floor and others buildings and quarters including of National Test House, Marol, Mumbai.

SH : Providing power point supply and Copper Earthing for Lab in New Bldg at NTH , Marol Mumbai.

(i) To be submitted by 22/12/2021 at 15.00 hours on as per the NIT.

(ii) To be opened in presence of tenderers who may be present at 15:30 hours on 22/12/2021 as per the NIT in the office of Assistant Engineer (Elect), MCESD-I, MUMBAI-II, CPWD, Mumbai-37.

Issued to **DRAFT NIT**
Signature of officer issuing the document

Designation **Assistant Engineer (Elect)....**

Date of Issue **15/12/2021**

TENDER

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

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

We agree to keep the tender open for thirty/ ~~forty five/ sixty/ ninety~~ (30/45/60/90) days from the date of opening of in case of single bid system tenders/~~Ninety days (90) from the date of opening of financial bid in case tenders are invited on 2/3 bid system / One hundred twenty days (120) from the date of opening of technical bid in case bids are invite 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.

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 and 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 and the performance guarantee absolutely. Further, I/We agree that in case of forfeiture 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. If I failed to execute the work after awarded or failed to submission of PG in time department can take action as per rules and regulation of department in time to time. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in CPWD in future as per latest circular 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

(Separate Performa for Civil, Elect. & Hort. Works in case of Composite Tenders)
(Operative Schedules to be supplied separately to each intending tenderer)

SCHEDULE 'A' AS PER SCHEDULE OF WORK ATTACHED

Schedule of quantities (as per PWD-3)

SCHEDULE 'B'

Schedule of materials to be issued to the contractor.

S.No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of issue
1	2	3	4	5
	NIL			

SCHEDULE 'C'

Tools and plants to be hired to the contractor

S.No.	Description	Hire charges per day	Place of issue
1	2	3	5
	———— NIL ————		

SCHEDULE 'D'

Extra schedule for specific requirements/document for the work, if any.

AS PER SHEET ATTACHED

SCHEDULE 'E'

Reference to General Conditions of contract.

Name of Work : Operation and Maintenance of Electrical and Mechanical Installation i/c EI & FANS, R/M OF DG SET & S/STATION, LIFT, FFS ,AFAS , W/S PUMP SET and 50 KWp Solar power generation system installed at G+4th stroied new building , old Ground + 1st floor and others buildings and quarters including of National Test House, Marol, Mumbai.

SH : Providing power point supply and Copper Earthing for Lab in New Bldg at NTH , Marol Mumbai.

- (i) Estimated cost of work : **Rs. 5,81,049/-**
(ii) Performance Guarantee : **3% of tendered value**
(iii) Security Deposit : **2.5% of tendered value**

OR

2.5% of tendered value plus 2.5% PG for contract involving the maintenance of the building and services/ other work after construction of same building and services/ other work.

SCHEDULE 'F'

GENERAL RULES & DIRECTIONS : Officer inviting tender : Assistant Engineer(Elect)

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3 : See below

Definitions:

- 2(v) Engineer-in-Charge Assistant Engineer (Elect)
 2(viii) Accepting Authority Assistant Engineer (Elect)
 2(x) Percentage on cost of materials and Labour to cover all overheads and profits: 15%
 2(xi) Standard Schedule of Rates: MR/SR
 2(xii) Department : CENTRAL PUBLIC WORKS DEPARTMENT
 9(ii) Standard CPWD Contract Form GCC 2020, CPWD Form 7/8 modified & Corrected up to DATE

Clause 1

(i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance 7 days

(ii) Maximum allowable extension beyond the period provided in (i) above **This period can be further extended at the written request from the contractor by the Engineer in charge for the maximum period ranging from 12 days with late fess @ 0.1% per day, of the performance guarantee amount.**

Clause 2

Authority for fixing compensation under clause 2 CE, Mumbai-1, CPWD, Mumbai.

Clause 2A

Whether Clause 2A shall be applicable No

Clause 5

Number of days from the date of issue of letter of acceptance for reckoning date of start 7 days from the Date of issue of letter of acceptance

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

S.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
1			
2		NIL	
3			
4			
5			

Time allowed for execution of work 03 (Three) Months

Authority to decide:

- (i) Extension of time Assistant Engineer (Elect) (Engineer in Charge or Engineer in Charge of Major Component in case of Composite Contracts, as the case may be)

PROFORMA OF SCHEDULES

CPWD

(ii) Rescheduling of mile stones CE, Mumbai-1, CPWD, Mumbai

Clause 6, 6A

Clause applicable - (6 or 6A) 6.

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. ... NIL..

Clause 7A

Whether Clause 7A shall be applicable Yes/No

Clause 10A

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

- | | | |
|---------|---------|---------|
| 1 | 2. | 3. |
| 4. | 5. | 6. |

Clause 10B(ii)

Whether Clause 10 B (ii) shall be applicable No

Clause 10C

Component of labour expressed as percent of value of work = NA

Clause 10CA

S.N.	Material covered under this clause	Nearest Materials (other than cement, reinforcement bars and the structural steel) for which All India Wholesale Price Index to be followed	Base Price of all Materials covered under clause 10 CA*
		<u>NA</u>	

* Base price of all the materials covered under clause 10 CA is to be mentioned at the time of approval of NIT.

Clause 10CCNOT APPLICABLE....

Clause 10 CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column months
 Schedule of component of other Materials, Labour, POL etc. for price escalation.
 Component of civil (except materials covered under clause 10CA)/Electrical construction Materials expressed as percent of total value of work. - Xm%
 Component of Labour - expressed as percent of total value of work. Y%
 Component of P.O.L. - expressed as percent of total value of work. Z%

Clause 11

Specifications to be followed for execution of work CPWD GENERAL SPECIFICATION FOR ELECT. WORKS PART-I (INTERNAL-2013)

Clause 12

12.2. & 12.3 Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for building work **No Limit**

12.5 Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work **NIL**

Clause 16

Competent Authority for deciding reduced rates.

CE, Mumbai-1, CPWD, Mumbai.

Clause 18

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

- | | | |
|---------|---------|---------|
| 1. | 2. | 3. |
| 4. | 5. | 6. |
| 7. | 8. | 9. |

Clause 42

(i) (a) **Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates ...N A.... printed by C.P.W.D.**

(ii) **Variations permissible on theoretical quantities:**

(a) **Cement**

For works with estimated cost put to tender not more than Rs. 5 lakh. **3% plus/minus.**

For works with estimated cost put to tender more than Rs.5 lakh. **2% plus/minus.**

(b) **Bitumen All Works** **2.5% plus & only & nil on minus side.**

(c) **Steel Reinforcement and structural steel sections for each diameter, section and category** **2% plus/minus**

(d) **All other materials. Nil**

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

S. No.	Description of Item	Rates in figures and words at which recovery shall be made from the Contractor	
		Excess beyond permissible Variation	Less use beyond permissible variation
1.	Cement		
2.	Steel Reinforcement		
3.	Structural Sections		
4.	Bitumen issued free		
5.	Bitumen issued at stipulated fixed price		

**Assistant Engineer (E)
MCESD-I, MUMBAI-II,
CPWD, Mumbai-400 037**

(Integrity Agreement)

To,

.....,
.....,
.....

Sub: NIT No. **77/2021-22/Mumbai-II(Erstwhile MCED-IV)/Mumbai for the work Operation and Maintenance of Electrical and Mechanical Installation i/c EI & FANS, R/M OF DG SET & S/STATION, LIFT, FFS ,AFAS , W/S PUMP SET and 50 KWp Solar power generation system installed at G+4th stroied new building , old Ground + 1st floor and others buildings and quarters including of National Test House, Marol, Mumbai. SH : Providing power point supply and Copper Earthing for Lab in New Bldg at NTH , Marol Mumbai.**

Dear Sir,

It is here by declared that CPWD is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of tender/bid documents, failing which the tenderer/bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the CPWD.

Yours faithfully,

**Assistant Engineer (E)
MCESD-I, MUMBAI-II,
CPWD, Mumbai-400 037**

To be signed by the bidder and same signatory competent / authorised to sign the relevant contract on behalf of CPWD.

INTEGRITY AGREEMENT

This Integrity Agreement is made at on thisday of 20.....

BETWEEN

President of India represented through **Assistant Engineer (E), MCESD-I, Mumbai II, CPWD, Mumbai - 37**

(Name of Division)
(Hereinafter

(Address of Division)

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

AND

.....
(Name and Address of the Individual/firm/Company)

through (Hereinafter referred to as the

(Details of duly authorized signatory)

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

Preamble

WHEREAS the Principal / Owner has floated the Tender (NIT No. **77/2021-22/Mumbai-II(Erstwhile MCED-IV)/Mumbai**) (hereinafter referred to as "Tender/Bid") and intends to award, under laid down organizational procedure, contract for

Operation and Maintenance of Electrical and Mechanical Installation i/c EI & FANS, R/M OF DG SET & S/STATION, LIFT, FFS ,AFAS , W/S PUMP SET and 50 KWp Solar power generation system installed at G+4th stroied new building , old Ground + 1st floor and others buildings and quarters including of National Test House, Marol, Mumbai. SH : Providing power point supply and Copper Earthing for Lab in New Bldg at NTH , Marol Mumbai.

(Name of work) hereinafter referred to as the "Contract".

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

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as "Integrity Pact" or "Pact"), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties. NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

Article 1: Commitment of the Principal/Owner

- 1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles :
 - (a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract,

demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

- (b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
 - (c) The Principal/Owner shall endeavour to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
- 2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

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

- 1) It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
- 2) The Bidder(s)/Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
 - a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
 - b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
 - c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 - d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly Bidder(s)/ Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of

- another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.
- e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.
 - 3) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
 - 4) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.
 - 5) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach

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

- 1) If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days notice to the contractor shall have powers to disqualify the Bidder(s)/ Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. Such exclusion may be forever or for a limited period as decided by the Principal/Owner.
- 2) Forfeiture of Performance Guarantee/Security Deposit: If the Principal / Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal / Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, Performance Guarantee and Security Deposit of the Bidder/Contractor.
- 3) Criminal Liability: If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression

- 1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
- 2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.
- 3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

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

- 1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Subcontractors/ sub-vendors.
- 2) The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.
- 3) The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

Article 6- Duration of the Pact

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

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

Article 7- Other Provisions

- 1) This Pact is subject to Indian Law, place of performance and jurisdiction is the Head quarters of the Division of the Principal/Owner, who has floated the Tender.
- 2) Changes and supplements need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.

- 4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this Integrity Agreement/ Pact or interpretation thereof shall not be subject to arbitration.

Article 8- LEGAL AND PRIOR RIGHTS

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

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

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

.....
(For and on behalf of Bidder/Contractor)

WITNESSES:

1.
(signature, name and address)
2.
(signature, name and address)

Place:
Dated :

**Assistant Engineer (E)
MCESD-I, MUMBAI-II,
CPWD, Mumbai-400 037**

Proforma for Earnest Money Deposit Declaration
(To be given on Ten Rupees Non-Judicial Stamp paper duly notarized)

NIT No.: 77/2021-22/Mumbai-II(Erstwhile MCED-IV)/Mumbai

Whereas, I/We.

(Name of Agency).....

Have submitted bids for

(Name of work)

Operation and Maintenance of Electrical and Mechanical Installation i/c EI & FANS, R/M OF DG SET & S/STATION, LIFT, FFS ,AFAS , W/S PUMP SET and 50 KWp Solar power generation system installed at G+4th stroied new building , old Ground + 1st floor and others buildings and quarters including of National Test House, Marol, Mumbai.

SH : Providing power point supply and Copper Earthing for Lab in New Bldg at NTH , Marol Mumbai.

.....

I/We hereby submit following declaration in lieu of submitting Earnest Money Deposit.

- 1) If after the opening of bid, I/we withdraw or modify my/our bid during the period of validity of tender (including extended validity of tender) specified in the tender documents,

Or

- 2) If, after acceptance of the bid, I/we fail to submit performance guarantee before the deadline as defined in the NIT/bid document,

I/we shall be suspended from bidding, making me/us ineligible to bid for CPWD tenders all over India for a period of one year from the date of issue of the order stating so and issued under the authority of Executive Engineer of this work.

Signature of the contractor(s)
Name of Agency with complete address & email ID

Note : Executive Engineer shall initiate issue of show cause notice to the contractor who has violated Earnest Money Deposit Declaration within 15 days of violation by the contractor and his decision (to be taken within 60 days of violation by the contractor) thereof shall be final and binding on the contractor.

ADDITIONAL TERMS AND CONDITIONS

Name of Work : Operation and Maintenance of Electrical and Mechanical Installation i/c EI & FANS, R/M OF DG SET & S/STATION, LIFT, FFS ,AFAS , W/S PUMP SET and 50 KWp Solar power generation system installed at G+4th stroied new building , old Ground + 1st floor and others buildings and quarters including of National Test House, Marol, Mumbai.
SH : Providing power point supply and Copper Earthing for Lab in New Bldg at NTH , Marol Mumbai.

1. The work shall be carried out in accordance with the General specification for Electrical works of CPWD Part-I internal EI 2013 & Part-II 1995, Part-VI 1988 (Fire Alarm System), Part-VII 2013 (D.G. Set), HVAC – 2017, as amended up to date, relevant I.E rules & as per directions of Engineer-in-Charge, as per actual site requirements.
2. The work is to be carried out in workmanship like manner & generally in accordance with the plans. However, the contractor will be bound to carryout the work with minor deviations over the plans supplied, if so 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.
4. All chases, holes, Road crossing & other allied work shall be done to the original finish as per requirement without any additional cost. The contractor shall coordinate with all other agencies involved so that building work is not hampered.
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. The foundation for equipment and component wherever required shall have to be done by the firm. The sealing of all floors opening provided by him for pipe and cables, from the safety point of view shall be done by the firm.
6. To ensure genuineness of materials, the contractor shall procure materials from authorized dealers only. Materials will be supplied at site with delivery challan of authorized dealers.
7. 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 tendered rates should be inclusive of all taxes such as GST, levies, packing, transportation, handling, duties etc. Nothing extra will be paid on this account.
11. Materials 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.
12. All the materials to be used in the work shall be of good quality, new and of latest model, however the same shall be got approved from the Engineer-in-Charge before use in work.

13. Installation shall be guaranteed for one year from the date of taken over by the deptt. in good working condition or as per manufacturer standard which ever is later. All defects during the above period should be attended by the firm immediately but not later than 72 hours as per urgency at site at their own cost. No extra payment shall be paid by the department on this account.
14. The contractor shall use any of the makes for use in work as below after confirming the approval of Engineer-in-Charge.
15. The department shall be at liberty to discontinue the work at any time without assigning any reason and no claim of any sort shall be entertained due to premature closure of the contract.
16. The department will not be responsible for any injury sustained by the agency workers during the performance of their duties and also for any damages or compensation due to any dispute between the agency and its workers. Any expenditure incurred by the department to face the situation arising out of act of his workers will be paid by the Agency. The Agency will be fully responsible for the payment of compensation.
17. In case it is noticed by the Engineer – in – Charge that the work carried out by the agency is not up to the mark/ required standard , two days written notice will be given to the Agency, warning the bad state of work and asking Agency to improve upon the standard within this period. In the event of the Department finding that there is no improvement and the work is not being carried out as per instructions, giving 24 hours notice shall terminate the contract.
18. Engineer – in Charge shall have the absolute power to with hold such amount from the claim of the Agency/ Contractor as he finds suitable for breach of any condition mentioned herein as above to compensate the damages/ risk caused by negligence of Agency / Contractor or his workman.
19. Labour engaged by the contractor shall not be paid less than the minimum wages as fixed by the Government from time to time.
20. The MCB's, RCCB with MCB and MCB DB's shall be of the same make. The front cover of the MCB DB's shall be powder coated.
21. Electricity shall be supplied free of cost erection/ testing and commissioning purpose, however further extension from point of supply shall be done by the contractor at his own cost.
22. All metal boxes housing control switches, regulators and plug sockets shall be suitably earthed and no extra amount is payable on this account for loop earthing switch boxes of same distribution circuits.
23. Termination of wiring inside the DB's Main Board shall be with crimped copper lugs connection.
24. Point wiring and Power wiring shall be taken in separate conduit.
25. The contractor shall also supply insulation and earth test reports before the installations are handed over to the Engineer-in-Charge in good condition, as required under CPWD specifications.

26. The firm shall supply test certificates wherever required, as per CPWD/BIS/ Manufacturer's practice. The department reserves the right to get them independently checked, the acceptance and rejection of the material shall be as per the test results submitted by the authorized testing laboratories and institutes.
27. Unless and 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 tenderer cost :-
- Cutting and making good of all damages caused during installation of equipment's and restoring the same to their original finish.
 - Sealing of all floor openings provided by him for pipes and cables, from fire safety point of view, after laying of the same.
28. Agency as well as manufacture has to submit 5 years warranty for LED fittings along with test certificate and challan of fittings, valves etc.
29. Agency should submit 5 years Guaranty / warranty certificate alongwith challan / invoice of LED fittings from the authorized dealer / manufacturer. 50% PG will be refunded after completion of work and another 50% of PG will be refunded year wise proportionately as per DG's OM No. DG/SE(E)tas/Misc/12 dtd. 03/09/2019

LIST OF PREFERRED MAKES OF MATERIALS

Equipments	Approved Makes
PVC conduit and accessories	Asian / Precision / Pressfit.
FRSL PVC Insulated Copper Conductor cable of 1100volt (ISI marked)	Finolex /Havells/ Kolors /Polycab
POWER CABLES (UG) ISI MARKED	Finolex /Havells/ Polycab
UTP 4 pairs CAT - 6 LAN /Telephone/TV CABLE	Roma/ Legrand/Kolors
MCB's, DB's, MCCB's, RCCB's etc.	Hager / Legrand /Siemens
Exhaust Fan	Crompton greaves Model No. Brisk Air Neo 10 / Orient/ Almonard/ Havells
Modular switch, socket, stepped type electronic fan regulator and other accessories	Anchor Roma-Tresa/ Legrand –Myrius/ Kolors-Krest
GI Pipe	TATA/ Jindal/ Zenith
PVC Box	Sintex / National
DWC Pipe	Rex / Duraline

**Assistant Engineer (E)
MCESD-I, MUMBAI-II,
CPWD, Mumbai-400 037**