

BRIHANMUMBAI MUNICIPAL CORPORATION

Tender ID: 2026_MCGM_1317357_1

e-TENDER

for

Subject: Maintenance of Conventional Non ATC Road Traffic Signal System and Flashing Beacons in Western Suburb of Brihanmumbai for the period from 01.09.2026 to 31.08.2028

Website: <https://portal.mcgm.gov.in>
Office of: Deputy Chief Engineer (Traffic),
Engineering Hub Building,
Dr. E.Moses Road,
Worli Naka, Worli,
Mumbai- 400 018. INDIA

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SECTION 1

E-TENDER NOTICE

BRIHANMUMBAI MUNICIPAL CORPORATION

Department: Deputy Chief Engineer (Traffic)

No. Dy. Ch. Eng./ATC-911/ Traffic Dated:-13.07.2026

e-TENDER NOTICE

Tender ID: 2026_MCGM_1317357_1

Subject: Maintenance of Conventional Non ATC Road Traffic Signal System and Flashing Beacons in Western Suburb of Brihanmumbai for the period from 01.09.2026 to 31.08.2028

The Brihanmumbai Municipal Corporation (BMC) invites e-tender on **Percentage Basis** for subject work from contractors of reputed, multidisciplinary engineering organizations i.e. eminent firm, Proprietary/ Partnership Firms/ Private Limited Companies/ Public Limited Companies/ Companies registered under the Indian Companies' Act 2013, the contractors registered with the Brihanmumbai Municipal Corporation, (BMC) in Class A as per new registration in Electrical/ Mechanical/ Electronics (excluding those who are blacklisted or against whom FIR has been filed) and from the contractors/ firms equivalent and superior classes registered in Central or State Government/ Semi Govt. Organization/ Central or State Public Sector Undertakings, will be allowed subject to condition that, the contractors who are not registered with BMC will have to apply for registering their firm within three months time period from the award of contract, otherwise their Bid Security i.e. E.M.D (Earnest Money Deposit) will be forfeited/ recovered and an amount equal to Registration Fee of respective class will be recovered as penalty.

The tender is available on <https://mahatenders.gov.in> and Tender fee of the tender is Rs. 19,965/- + 18% GST. The Tender fee of the tender shall be paid online by the bidder.

Bidding Process will comprise of THREE stages.

The application form can be downloaded from e-procurement system of Government of Maharashtra (Mahatenders) (<https://mahatenders.gov.in>). Also, the tender notice can be viewed on the BMC portal (<https://portal.mcgm.gov.in>)

Interested bidders should follow the manuals available on Mahatenders Portal (<https://mahatenders.gov.in>)

The applicants not registered with BMC are mandated to get registered (Vendor Registration) with BMC for e-tendering process & also with Mahatenders (<https://mahatenders.gov.in>) to obtain login credentials to participate in the online bidding process

- i. To download the application form, for those applicants not having vendor registration, need to apply first for vendor registration at the office of Central Purchase Department (CPD), Office at Byculla, Bakariadda, Mumbai.
- ii. Followed by Mahatenders login ID and password to be obtained from Mahatender portal <https://mahatenders.gov.in>
- iii. For e-Tendering registration, enrolment for valid Class III digital signature certificates and user manual, please refer to respective links provided in Mahatenders 'Tenders' tab such as <https://cca.gov.in>. Vendors can get digital signature from any one of the Certifying Authorities (CA's) licensed by controller of certifying authorities namely, Safes crypt, IDRBT, National informatics centre, TCS, CUSTOMS, MTNL, GNFC, e- Mudhra CA.
- iv. To download tender documents contractors will have to pay online Tender fee. The same can be done by accessing Pay Tender Fees option. By this one will be able to pay Tender fee through Payment Gateway, Contractors can register his interest to participate. Without Registration one cannot quote for the Bid/ Tender.

Name of the work	Contract Period	Estimated Cost (Rs.)
Maintenance of Conventional Non ATC Road Traffic Signal System and Flashing Beacons in Western Suburb of Brihanmumbai for the period from 01.09.2026 to 31.08.2028	24 months (Including Monsoon)	Rs.6,73,05,399/- (Excluding GST)

In terms of the 3 stage system of e-tendering, a Bidder will be required to pay an Earnest Money Deposit (EMD) of **Rs.6,73,100/- (Six Lakhs Seventy Three Thousand One Hundred only)** online through payment gateways of Government of Maharashtra on URL <https://mahatender.gov.in>. The bidder shall upload screen shot of online paid EMD along with the bid submission in Packet 'A'. Any bid not accompanied by an acceptable Bid Security shall be rejected by the Employer as non-responsive.

As per THREE Packet systems, the document for Packet A & B is to be uploaded online by the bidder in Cover type 'Fee/ Pre-Qual/ Technical' and Price Packet 'C' is to be filled in Cover Type 'Finance'. Packet A, B & C shall be opened on dates as mentioned in header data.

All the responsive and eligible bidders if they so wish can be present at the time of opening of bids, in the office of Ex. Engineer (ATC). The Packet C shall be opened if bids submission in Packet A & B satisfies/includes all the requirements and same are found acceptable to the Authority.

The Brihanmumbai Municipal Commissioner reserves the right to reject all or any of the e-tender(s) without assigning any reasons at any stage.

The dates and time for submission and opening the bids are as shown in the Header Data. If there are any changes in the dates, the same will be displayed on the BMC Portal (<https://portal.mcgm.gov.in>) and on e-procurement system of Government of Maharashtra (Mahatenders) (<https://mahatenders.gov.in>)

The Applicants interested for the above referred work may contact the Ex. Engr. (Area Traffic Control) at the following address on any working day during office hours.

Executive Engineer (Area Traffic Control),
Ground Floor, Engineering Hub Building,
Dr. E. Moses Road, Worli, Mumbai- 400 018.

The bidders may wish to visit the site under reference located in Western Suburb and can collect the information of the present status from the department who have invited the bids.

The BMC reserves the rights to accept any of the bid or reject any or all the bids received for above works, without assigning any reasons thereof. The information regarding above subject matter is available on Website of Brihanmumbai Municipal Corporation (<https://portal.mcgm.gov.in/tenders>) and on e-procurement system of Government of Maharashtra (Mahatenders) (<http://mahatenders.gov.in>).

Bidders are also advised to refer “Bidders Manual Kit” available at eProcurement System Government of Maharashtra (mahatenders.gov.in) for further details about the e-tendering process. For any help, in the e-Tendering process, can be availed by dialling help-desk number 022-22046934/22837339 from 11.30 AM to 5.00 PM on all working days. Email: support-eproc@nic.in.

Interested bidders should follow the manuals available on Mahatenders Portal <https://mahatenders.gov.in>

Sd/-13.07.2026
Dy. Ch. Engineer (Traffic)

HEADER DATA

Mahatender Portal	https://mahatenders.gov.in
Tender ID	2026_MCGM_1317357_1
Name of Organization	Brihanmumbai Municipal Corporation
Department	Deputy Chief Engineer (Traffic) / Executive Engineer (ATC)
Subject	Maintenance of Conventional Non ATC Road Traffic Signal System and Flashing Beacons in Western Suburb of Brihanmumbai for the period from 01.09.2026 to to 31.08.2028
Tender Fee	Rs. 19,965/- + 18% GST (9 % SGST+ 9 % CGST)
Cost of E-Tender(Estimated Cost)	Rs. 6,73,05,399/- (Excluding GST)
Bid Security Deposit/ EMD	Total EMD is Rs. 6,73,100/-
Date of issue and sale of tender	15.07.2026 from 11:00 Hrs.
Submission of Packet A, B & Packet C(Online) & Receipt of Bid Security Deposit	28.07.2026 upto 16:00 Hrs.
Opening of Packet A	29.07.2026 at 16:00 Hrs.
Opening of Packet B	29.07.2026 at 16:10 Hrs.
Opening of Packet C	Will be informed afterward
Address for communication	Ex. Engr. (Area Traffic Control), Ground Floor, Engineering Hub, Dr. E. Moses Road, Worli, Mumbai- 400 018 Contact No.: 022-2498 3407
Venue for opening of bid	Online in the office of Ex. Engr. (Area Traffic Control).

This tender document is not transferable.

The BMC reserves the rights to accept any of the application or reject any or all the application received for above subject without assigning any reason thereof.

Sd/-13.07.2026
Dy. Ch. Engineer (Traffic)

SECTION 2

ELIGIBILITY CRITERIA

2. For Regular, Routine and Maintenance works:

Name of the Department	Name of work
Deputy Chief Engineer (Traffic)	Maintenance of Conventional Non ATC Road Traffic Signal System and Flashing Beacons in Western Suburb of Brihanmumbai for the period from 01.09.2026 to 31.08.2028

2.1 Technical Capacity

The tenderer(s) in their own name should have satisfactorily executed the work of similar nature with BMC/ Semi Govt./ Govt. & Public Sector Organizations during **last seven (7) years** ending last day of month previous to the one in which bids are invited as a prime Contractor.

I. **Three similar completed** works **each** of value not less than the value equal to **20%** of estimated cost put to tender.

Or

II. **Two similar completed** works **each** of value not less than the value equal to **25%** of estimated cost put to tender.

Or

III. **One similar completed** work of value equal and or not less than the **40%** of estimated cost put to tender

The value of executed works shall be brought to current costing level by enhancing the actual value of work at compound rate of 10% per annum; calculated from the date of completion to last date of receipt of applications for tenders.

2.2 Financial Capacity

Achieved an average annual financial turnover as certified by 'Chartered Accountant' equal to **30%** of the estimated cost of work in **last three (3) financial years** immediately preceding the Financial Year in which bids are invited. i.e. 2022-2023, 2023-2024, 2024-2025.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at compound rate of 10% per annum; calculated from the date of completion to last date of receipt of applications for tenders.

2.3 Similar Experience:

The bidder should have successfully executed Supply, Installation, Testing & Commissioning (SITC) or Maintenance of Electrical and Electronic work for BMC/ Semi Government/ Government & PSU Organizations during last seven years.

SECTION 3

DISCLAIMER

DISCLAIMER

The information contained in this e-tender document or provided to Bidder(s), whether verbally or in documentary or any other form, by or on behalf of the Brihanmumbai Municipal Corporation (BMC), hereafter also referred as “The Authority”, or any of its employees or advisors, is provided to Bidder(s) on the terms and conditions set out in this e-tender and such other terms and conditions subject to which such information is provided.

This e-tender includes statements, which reflect various assumptions and assessments arrived at by the Brihanmumbai Municipal Corporation (BMC) in relation to the Project. Such assumptions, assessments and statements do not purport to contain all the information that each Bidder may require. This e-tender may not be appropriate for all persons, and it is not possible for the Brihanmumbai Municipal Corporation (BMC), its employees or advisors to consider the investment objectives, financial situation and particular needs of each party who reads or uses this e-tender. The assumptions, assessments, statements and information contained in this e-tender may not be complete, accurate, adequate or correct. Each Bidder should therefore, conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information contained in this e-tender and obtain independent advice from appropriate sources.

Information provided in this e-tender to the Bidder(s) is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. The Brihanmumbai Municipal Corporation (BMC) accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed here.

The Brihanmumbai Municipal Corporation (BMC) , its employees and advisors make no representation or warranty and shall have no liability to any person, including any Bidder, under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this e-tender or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the e-tender an/d any assessment, assumption, statement or information contained therein or deemed to form part of this e-tender or arising in any way with pre-qualification of Bidders for participation in the Bidding Process. The Brihanmumbai Municipal Corporation (BMC) also accepts no liability of any nature whether result-

ing from negligence or otherwise howsoever caused arising from reliance of any Bidder upon the statements contained in this e-tender.

The Brihanmumbai Municipal Corporation (BMC) may, in its absolute discretion but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this e-tender.

The issue of this e-tender does not imply that the Brihanmumbai Municipal Corporation (BMC) is bound to select and short-list pre-qualified Bidders for Bid Stage or to appoint the selected Bidder or Concessionaire, as the case may be, for the Project and the Brihanmumbai Municipal Corporation (BMC) reserves the right to reject all or any of the Bids without assigning any reasons whatsoever.

The Bidder shall bear all its costs associated with or relating to the preparation and submission of its Bid including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by The Brihanmumbai Municipal Corporation (BMC) or any other costs incurred in connection with or relating to its Bid. All such costs and expenses will remain with the Bidder and the Brihanmumbai Municipal Corporation (BMC) shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by Bidder in preparation or submission of the Bid, regardless of the conduct or outcome of the Bidding Process.

SECTION 4

INTRODUCTION

INTRODUCTION

Background:

The Brihanmumbai Municipal Corporation (BMC) covers an area of 483.14 sq. kms. with a population of 1.24 Crores as per census of 2011. The metropolis accounts major portion of India's international trade and government's revenue, from being one of the foremost centers of education, science and technological research and advancement.

The Mumbai Metropolis has historic tradition of strong civic activism dedicated to the cause of a better life for all its citizens. And it's the Brihanmumbai Municipal Corporation (BMC), hereafter called the "corporation", the primary agency responsible for urban governance in Brihanmumbai.

BMC (The Authority) is one of the largest local self-governments in the Asian Continent. In observance of historic traditions of strong civic activism, with the change in time and living conditions to match with the urbanization, BMC has mainly focused in providing almost all kinds of engineering services viz, Hydraulics, storm water drain, sewerage, water supply projects, roads, bridges, solid waste management, and environmental services. Beside this, the BMC is also providing dedicated services in various segments such as Health, Primary Education as well as the construction and maintenance of Public Markets and Slaughter Houses.

BMC is an organization having different departments, right from engineering depts. to health depts. Moreover we have other dept. like education, market, fire brigade dept., and other such departments where quite a good number of staff members are working.

In Mumbai there are 685 signal junctions in all out of which 427 signal junctions are conventional type Non-ATC signal junctions.

BMC is primarily an organization, which in the interest of citizens and with the speed of urbanization deals with the variety of the infrastructure services and delivered to the public by different departments like Water Supply Projects, Sewerage Projects, Hydraulics, Storm Water Drain/Roads, Traffic, bridges and Building Construction etc.

The subject work includes

1. Preventive & Corrective Maintenance of signal junctions mentioned in section 7
2. Damage maintenance work of signal junctions mentioned in section 7

SECTION 5

E-TENDERING ONLINE SUBMISSION PROCESS

E-TENDERING ONLINE SUBMISSION PROCESS

NOTE: This tendering process is covered under Information Technology ACT & Cyber Laws as applicable

In e-tendering process some of the terms and its definitions are to be read as under wherever it reflects in online tendering process.

Start Date read as “Sale Date”

End Date read as “Submission Date”

Supplier read as “Contractor/ bidder”

Vendor read as “Contractor/ bidder”

Vendor Quotation read as “Contractors Bid/ Offer”

Purchaser read as “Department/ BMC

The bidders can enroll themselves on the website <https://mahatenders.gov.in> using the option “Online Bidder Enrollment”. Possession of a Valid Class III Digital Signature Certificate (DSC) in the form of smart card/e-token in the Company's name is a prerequisite for registration and participating in the bid submission activities through this web site. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site <https://mahatenders.gov.in> under the link “Information about DSC”.

Applicants/Bidders shall refer to bidder's manual kit available on website <https://mahatenders.gov.in> for Bid-Submission. The detail guidelines for creation and submission of bid are available in the referred document. Vendors can also attend the training/familiarization programme on the e-tendering system conducted periodically by the GOVERNMENT E-PROCUREMENT SYSTEM in association with NIC.

Special Instructions to the Contractors/ Bidders for the e-submission of the bids online through this e-Procurement Portal

1. Bidder should do Online Enrolment in www.mahatenders.gov.in Portal using the option to Enroll available in the Home Page. Then the Digital Signature enrolment has to be done with the e-token, after logging into the portal. The e-token may be obtained from one of the authorized Certifying Authorities such as Mudhra CA/ GNFC/ IDRBT/ MTNL Trust line/ Safe Script/ TCS.
2. Bidder then login to the portal giving user id/ password chosen during enrolment
3. The registered e-token shall be used by the bidder and should not be misused by others.

4. DSC once mapped to an account cannot be remapped to any other account. It can only be inactivated.
5. The Bidders can update well in advance, the documents such as certificates, purchase order details etc., under My Documents option and these can be selected as per tender requirements and then attached along with bid documents during bid submission. This will ensure lesser upload of bid documents.
6. After downloading/ getting the tender document, the Bidder should go through them carefully and then submit the documents as per the tender document, otherwise, the bid will be rejected.
7. Applicant will upload Packet A documents in cover 1 “Fee”, Packet B related Documents in cover 2 “Pre-Qual/ Technical” and Price Packet ‘C’ is to be filled in Cover Type ‘Finance’ respectively.
8. The BOQ template must not be modified/ replaced by the bidder and the same should be uploaded after filling the relevant columns in the uploaded BOQ, else the bidder is liable to be rejected for that tender. Bidders are allowed to enter the Bidder Name and Values only. For commercial details (in Packet C) contractors will fill data in financial bid in BOQ and quotes his “(+) or (-) Percentage” (i.e.% quoted) figure.
9. If there are any clarifications, same may be obtained online through the e Procurement Portal, or through the contact details given in the tender notice. Bidder should take into account of the corrigendum published before submitting the bids online.
10. Bidder, in advance, should prepare the bid documents to be submitted as indicated in the tender document and they should be in PDF/XLS/RAR/DWF formats. If there is more than one document, they can be clubbed together.
11. Bidder shall pay online EMD as specified in the tender.
12. The bidder should read the terms and conditions and accepts the same to proceed further to submit the bids.
13. The bidder has to submit the tender document(s) online well in advance before the prescribed time to avoid any delay or problem during the bid submission process.
14. There is no limit on the size of the file uploaded at the server end. However, the upload is decided on the Memory available at the Client System as well as the Network bandwidth available at the client side at that point of time. In order to reduce the file size, bidders are suggested to scan the documents in 75-100 DPI so that the clarity is maintained and also the size of file also gets reduced. This will help in quick uploading even at very low bandwidth speeds.

15. It is important to note that, the bidder has to click on the Freeze Bid Button, to ensure that he/ she completes the Bid Submission Process. Bids which are not Frozen are considered as Incomplete/Invalid bids and are not considered for evaluation purposes.
16. The Tender Inviting Authority (TIA) will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders due to local issues.
17. The bidder may submit the bid documents online mode only, through mahatender portal. Offline documents will not be handled through this system.
18. At the time of freezing the bid, the e-Procurement system will give a successful bid updation message after uploading all the bid documents submitted and then a bid summary will be shown with the bid no, date & time of submission of the bid with all other relevant details. The documents submitted by the bidders shall be digitally signed using the e-token of the bidder and then submitted.
19. After the bid submission, the bid summary has to be printed and kept as an acknowledgment as a token of the submission of the bid. The bid summary will act as a proof of bid submission for a tender floated and will also act as an entry point to participate in the bid opening event.
20. Successful bid submission from the system means, the bids as uploaded by the bidder is received and stored in the system. System does not certify for its correctness.
21. The bidder should see that the bid documents submitted should be free from virus and if the documents could not be opened, due to virus, during tender opening, the bid is liable to be rejected.
22. The time that is displayed from the server clock at the top of the tender Portal, will be valid for all actions of requesting bid submission, bid opening etc., in the e-Procurement portal. The Time followed in this portal is as per Indian Standard Time (IST) which is GMT+5:30. The bidders should adhere to this time during bid submission.
23. All the data being entered by the bidders would be encrypted at the client end, and the software uses PKI encryption techniques to ensure the secrecy of the data. The data entered will not be viewable by unauthorized persons during bid submission and not viewable by any one until the time of bid opening. Overall, the submitted bid documents become readable only after the tender opening by the authorized individual.
24. During transmission of bid document, the confidentiality of the bids is maintained since the data is Transferred over Secured Socket Layer (SSL) with 256 bit encryption technology. Data encryption of Sensitive fields is also done.

25. The bidders are requested to submit the bids through online e-Procurement system to the TIA well before the bid submission end date and time (as per Server System Clock).
26. The e-tender is available on NICs portal of Govt. of Maharashtra, <https://mahatenders.gov.in>, as mentioned in the Header Data of the tender.
27. The tenders duly filled in should be uploaded and submitted online on or before the end date of submission. The Packet 'A', Packet 'B' & Packet 'C' of the tenderer will be opened as per the time-table shown in the Header Data in the office of Executive Engineer (ATC). If there is any change in the date the same will be displayed on <https://mahatenders.gov.in>
28. The Municipal Commissioner reserves the right to reject all or any of the e-Tender(s) without assigning any reason at any stage.
29. The information about DSC, guidelines for bid submission, bidders manual kit, Help for **Contractor, FAQ, etc are available on** <https://mahatenders.gov.in>

SECTION 6

INSTRUCTIONS TO BIDDERS

INSTRUCTIONS TO BIDDERS

6.1 Scope of Bid

The Authority wishes to receive Bids for Qualification in order to select experienced and capable bidder for the work of “**Maintenance of Conventional Non ATC Road Traffic Signal System and Flashing Beacons in Western Suburb of Brihanmumbai for the period from 01.09.2026 to 31.08.2028.**”

6.2 Eligibility of Bidders

The Brihanmumbai Municipal Corporation (BMC) invites e-tender to appoint Contractor for the aforementioned work from contractors of repute, multidisciplinary engineering organizations i.e. eminent firm, Proprietary/ Partnership Firms/ Private Limited Companies/ Public Limited Companies/ Companies registered under the Indian companies’ Act 2013, the contractors registered with the Brihanmumbai Municipal Corporation (BMC) in Class AA as per old registration or Class A as per new registration and from the contractors/firms equivalent and superior classes registered in Central or State Government/ Semi Govt. Organization/Central or State Public Sector Undertakings, will be allowed subject to condition that, the contractors who are not registered with BMC will have to apply for registering their firm within three months time period from the award of contract, otherwise their Bid Security i.e. E.M.D (Earnest Money Deposit) will be forfeited/ recovered and an amount equal to Registration Fee of respective class will be recovered as penalty.

To be eligible for pre-qualification and short-listing, the Bidder shall fulfill the following conditions of eligibility:

6.3 For Regular, Routine and Maintenance works:

Name of the Department	Name of work
Deputy Chief Engineer (Traffic)	Maintenance of Conventional Non ATC Road Traffic Signal System and Flashing Beacons in Western Suburb of Brihanmumbai for the period from 01.09.2026 to 31.08.2028

6.4 Technical Capacity

The tenderer(s) in their own name should have satisfactorily executed the work of similar nature with BMC/ Semi Govt./ Govt. & Public Sector Organizations during **last seven (7) years** ending last day of month previous to the one in which bids are invited as a prime Contractor.

I. **Three** similar **completed** works **each** of value not less than the value equal to **20%** of estimated cost put to tender.

Or

II. **Two** similar **completed** works **each** of value not less than the value equal to **25%** of estimated cost put to tender.

Or

III. **One** similar **completed** work of value equal and or not less than the **40%** of estimated cost put to tender

The value of executed works shall be brought to current costing level by enhancing the actual value of work at compound rate of 10% per annum; calculated from the date of completion to last date of receipt of bids for tenders.

6.5 **Financial Capacity**

Achieved an average annual financial turnover as certified by 'Chartered Accountant' equal to **30%** of the estimated cost of work in **last three (3) financial years** immediately preceding the Financial Year in which bids are invited. i.e. 2022-2023, 2023-2024, 2024-2025.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at compound rate of 10% per annum; calculated from the date of completion to last date of receipt of applications for tenders

6.6 **Similar Experience:**

The bidder should have successfully executed Supply, Installation, Testing & Commissioning (SITC) or Maintenance of Electrical and Electronic work for BMC/ Semi Government/ Government & PSU Organizations during last seven years.

6.7 **Bid Capacity**

The bid capacity of the prospective bidders will be calculated as under:

Assessed Available Bid Capacity = (A * N* 2 - B)

Where,

A = Maximum value of works executed in any one year (year means Financial year) during **the last five years** (updated to the price level of the Financial year in which bids are received at a rate of 10% per year) taking into account the completed as well as works in progress.

N = Number of years prescribed for completion of the Project/ Works, **excluding monsoon period**, for which these bids are being invited. (E.g. 7 months = 7/12 year) For every intervening monsoon 0.33 shall be added to N.

B = Value of existing commitments (only allotted works) on the last date of submission of bids as per bidding document and on-going works to be completed during the period of completion of the Project/Works for which these bids are being invited.

Note: *The statement showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be attached along with certificates duly signed by the Engineer-in Charge, not below the rank of an Executive Engineer or equivalent.*

Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have:

- made misleading or false representation in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
- Record for poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.

6.8 Equipment Capabilities as required for this work

Regular and Routine works: The successful bidder will make an arrangements of the required equipment on the day of commencement or with respect to the progress of the work in phases, as per the instructions of site in charge. The successful bidder to that effect will ensure commitment on an undertaking on Rs.500/- stamp paper to be submitted along with the Bid in Packet B. However, this condition in no way shall dilute the respective condition in Registration Rules of BMC.

Facility of Truck mounted Aerial/ Boom Lift crane

Megger

Laptop with relevant software programme as per existing system,

cable fault locators (preferably APLAB make),

earth tester,

tongue tester,

Aluminum ladders,

vacuum cleaners, blower etc.

All the above equipment shall be in good working conditions and must demonstrate that based on known commitments, they will be available for timely use in the instant tender work.

The Bidder(s) may also list the alternative type of equipment's that are proposed for use in the contract. All equipment used should be calibrated.

The vehicles used for maintenance work should be equipped with above equipment's.

6.9 Personnel Capabilities:

Bidder(s) shall provide/ submit general information on the management structure of the firm, and shall have provisions of suitably qualified personnel to fill the key positions as required during the contract implementation.

The Bidder(s) shall provide information of a prime candidate or an alternate for each key position and each shall meet the requirements specified as under:

Sr. No	Post	Educational Qualification and Experience	No. of staff to be deployed	Rate of Recovery in case of non-compliance
1.	Project Manager	Shall be graduate in Engineering in the field of Electrical/ Electronics/ Electronics and Telecommunication with minimum 5 years experience or Diploma in the above streams with minimum 8 years experience in the field of installation of road traffic signal system or maintenance signal systems	1	Rs.3,000/-per day
2	Tech Support Engineer	Shall be Diploma in Electrical/Electronics/ Electronics and Telecommunication Engineering with minimum 3 years experience out of which minimum 2 years should be of Road Traffic Signal System or Degree in above streams with minimum 2 years experience out of which one year shall be of Road Traffic Signal System	1	Rs.1,000/-per day
3	Field Engineers	Shall be at least Diploma in Engineering in the field of Electrical/ Electronics/ Electronics and Telecommunication/ Information Technology with minimum 1 years experience in the field of operation/maintenance/ Installation of Road Traffic Signal systems or Installation/maintenance of Digital countdown timers.	1	Rs.1,000/-per day
4	Civil Engineer	Diploma in Civil Engineering with (1) one year experience or Civil Supervisor with min. 5 years experience in the field of civil supervisory works.	1	Rs.1,000/-per day
5	Technician	ITI in Electrical/ Electronics/ Electronics & Telecommunication with 2 years experience or PWD license holder with 3 years of simi-	4	Rs.500/- per day

		lar work experience or CCTV/ Digital countdown timers or VMS.		
6	Wireman	PWD License Holder with min. 2 years experience or Higher qualification and experience	4	Rs.500/- per day
7	Labourers	Unskilled	8	Rs.300/- per day

- The above mentioned staff shall be exclusive for the work of “**Maintenance of Conventional Non ATC Road Traffic Signal System and Flashing Beacons in Western Suburb of Brihanmumbai for the period from 01.09.2026 to 31.08.2028**”.
- Maintenance Teams to be deployed = 4 Nos.
Each Maintenance Team shall comprise of the following personnel
 - Technician - 1 No.
 - Wireman - 1 No.
 - Labourers - 2 Nos.
- Minimum suggested personnel to begin with for the execution of works in accordance with the prescribed work schedule are shown in the above list.
- The Bidder shall furnish general information on the organizational set up of the firm to allow the employer to review their proposals.
- The teams shall be made available for Preventive, Corrective and Damage Maintenance works throughout the contract period.
- The Project Manager shall be empowered for financial, administrative, technical decisions etc.
- The Project manager shall be responsible for smooth working of P&C and Damage maintenance, Estimation of job, maintaining the records, submission of bills and reporting to BMC as directed from time to time by engineer incharge.
- The Technical Support Engineer & Field Engineer will supervise the works of the Maintenance Teams. It shall be the responsibility of the Technical Support Engineer to follow up with the different agencies.
- The Contractor shall appoint full-fledged Cleaning team for cleaning of the street furniture.
- It is mandatory that the Contractor should either own the Truck mounted Aerial/ Boom Lift crane or should have hired the same from reputed supplier. The declaration to that effect (Proforma 'XI) shall be submitted along with the Bid document. The Contractor should provide the Truck mounted Aerial/ Boom Lift crane as & when instructed by the Engineer.

- The Project Manager will be responsible for availability of all the maintenance staff through out the contract period. If any maintenance team member is not available, the equivalent replacement of staff shall be provided.
- The field engineer/ Technical support engineer should join the maintenance team in case of replacement for absent maintenance staff is not arranged.
- In any case, if the requisite staff is not available for execution of instructed work penalty will be recovered from RA bill as mentioned in table above

6.10 Escalation will not be admissible.

6.11 Communication:

- i. The maintenance vehicle should be 'T' marked, preferably a utility vehicle with all necessary licenses. Every vehicle shall have identification marks i.e. name, address and telephone nos. of the Company.
- ii. All maintenance staff as well as the driver of the vehicle shall be provided with the uniform, ID Cards, Logo of the company and handset communication device (mobile phone).

6.12 Contract Execution

The contract documents duly affixed with stamp duty and properly signed along with all required documents for execution of the contract shall be submitted within 30 days from the date of issue of letter of acceptance. If all documents are not submitted within the stipulated time, a penalty of Rs.5,000/- per day will be applicable to the contractor.

6.13 Deleted.

6.14 The amount of Security Deposit retained by the BMC shall be released after expiry of period up to which the contractor has agreed to maintain the work in good order is over. In the event of the contractor failing or neglecting to complete the rectification work within the period up to which the contractor has agreed to maintain the work in good order, the amount of security deposit retained by BMC shall be adjusted towards the excess cost incurred by the Department on rectification work.

6.15 Action when whole of security deposit is forfeited:

In any case in which under any Clause of this contract, the contractor shall have rendered himself liable to pay compensation amounting to the whole of this security deposit whether paid in one sum or deducted by installments or in the case of abandonment of

the work owing to serious illness or death of the contractor or any other cause, the Engineer on behalf of the Brihanmumbai Municipal Commissioner shall have power to adopt any of the following process, as he may deem best suited to the interest of BMC -

- (a) To rescind the contract (for which rescission notice in writing to the contractor under the head of Executive Engineer shall be conclusive evidence) and in that case, the security deposit of the contract shall stand forfeited and be absolutely at the disposal of BMC.
- (b) To carry out the work or any part of the work departmentally debiting the contractor with the cost of the work, expenditure incurred on tools and plant, and charges on additional supervisory staff including the cost of work-charged establishment employed for getting the unexecuted part of the work completed and crediting him with the value of the work done departmentally in all respects in the same manner and at the same rates as if it had been carried out by the contractor under the terms of his contract. The certificate of the Executive Engineer as to the costs and other allied expenses so incurred and as to the value of the work so done departmentally shall be final and conclusive against the contractor.
- (c) To order that the work of the contractor be measured up and to take such part thereof as shall be unexecuted out of his hands, and to give it to another contractor to complete, in which case all expenses incurred on advertisement for fixing a new contracting agency, additional supervisory staff including the cost of work charged establishment and the cost of the work executed by the new contract agency will be debited to the contractor and the value of the work done or executed through the new contractor shall be credited to the contractor in all respects and in the same manner and at the same rates as if it had been carried out by the contractor under the terms of his contract. The certificate of the Executive Engineer as to all the cost of the work and other expenses incurred as aforesaid for or in getting the un-executed work done by the new contractor and as to the value of the work so done shall be final and conclusive against the contractor.

In case the contract shall be rescinded under Clause (a) above, the contractor shall not be entitled to recover or be paid any sum for any work therefore actually performed by him under this contract unless and until the Executive Engineer shall have certified in writing the performance of such work and the amount payable to him in respect thereof and he shall only be entitled to be paid the amount so certified.

In the event of either of the courses referred to in Clause (b) or (c) being adopted and the cost of the work executed departmentally or through a new contractor and other allied expenses exceeding the value of such work credited to the contractors amount of excess shall be deducted from any money due to the contractor, by BMC under the contract or otherwise, howsoever, or from his security deposit or the sale proceeds thereof provided, however, the contractor shall have no claim against BMC even if the certified value of the work done departmentally or through a new contractor exceeds the certified cost of such work and allied expenses, provided always that whichever of the three courses mentioned in clauses (a), (b) or (c) is adopted by the Executive Engineer, the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchase or procured any materials or entered in to any engagements or made any advance on account of or with a view to the execution of the work or the performance of the contract.

6.16 Contract may be rescinded and security deposit forfeited for bribing a public officer or if contractor becomes insolvent

If the contractor assigns or sublets his contracts or attempt so to do, or become insolvent or commence any proceeding to get himself adjudicated and insolvent or make any composition with his creditors, or attempt so to do or if bribe, gratuity, gift, loan, perquisite, reward or advantage, pecuniary or otherwise, shall either directly or indirectly be given promised or offered by the contractor or any of his servants or agents through any public officer, or person in the employee of BMC/Govt. in any way relating to his office or employment, or if any such officer or person shall become in any way directly or indirectly interested in the contract the Engineer In-charge may thereupon, by notice in writing rescind the contract and the Security Deposit of the Contractor shall thereupon stand forfeited and be absolutely at the disposal of BMC and the same consequences shall ensure as if the contract had been rescinded under applicable clause; and in addition the contractor shall not be entitled to recover or be paid for any work therefore actually performed under the contract.

6.17 Submission of Tenders

As per Three Packet system, the document for Techno-commercial Packet 'A' & 'B' are to be uploaded online by the bidder in Cover Type 'Fee/ Pre-Qual/ Technical'

PACKET – A

- a) Valid Registration Certificate.
- b) Valid Bank Solvency Certificate of minimum solvency amount of Rs.8 Lakh, **issued not more than Six months prior to the date of submission of tender and valid upto one year**
- c) A document in support of Registration under Goods & Service Tax (GST) Act 2017.
- d) Certified copies of valid 'PAN' documents and photographs of the individuals, owners, Karta of Hindu undivided Family, firms, private limited companies, registered cooperative societies, partners of partnership firms and at least two Directors, if number of Directors are more than two in case of Private Limited Companies, as the case may be. However, in case of Public Limited companies, Semi Government Undertakings, Government Undertakings, no 'PAN' documents will be insisted.
- e) Certified Copy of Latest Partnership Deed in case of Partnership firm duly registered with Chief Accountant (Treasury) of BMC.
- f) The bidders shall categorically provide their Email-ID.
- g) Screen Shot of EMD paid receipt of subject work.

NOTE:

- *If the tenderer(s) withdraw tender offer during the tender validity period, his entire EMD shall be forfeited.*
- *If it is found that the tenderer has not submitted required documents in Packet “A” then, the shortfalls will be communicated to the tenderer through mahatender portal or e-mail and compliance required to be made within a time period of three working days otherwise they will be treated as non-responsive and their financial packet ‘C’ will not be opened and there will not be forfeiture of EMD*

PACKET – B

The Packet ‘B’ shall contain scanned certified copies of the following documents –

- a) Annexure 'A'
- b) The undertaking on Rs. 500/- stamp paper as per the proforma annexed in Annexure 'B': - Pre-Contract Integrity Pact & Annexure 'C': - Declaration Cum Indemnity Bond
- c) Irrevocable Undertaking on Rs. 500/- Stamp paper as per Annexure 'E'
- d) Annexure 'F' for Grievance Redressal Mechanism.

- e) The list of similar type of works as stated in eligibility criteria in prescribed proforma - I, in the role of prime contractor. Information furnished in the prescribed proforma (Proforma – I) shall be supported by the certificate duly self-attested.
- f) Annual financial turnover as certified by Chartered Accountant for preceding three financial years in which bids are invited. Copies of Documents of audited balance sheet and profit and loss account for the preceding **five financial years** in which bids are invited. (Proforma – II).
- g) Details of similar works as stated in eligibility criteria during last Seven years (Proforma - III).
- h) Documents stating that, it has access to or has available liquid assets, unencumbered assets, lines of credit and other financial means (independent of any contractual advance payment) sufficient to meet the cash flow requirements for the subject contract in the event of stoppage, start-up, or other delay in payment, of the minimum 15% of the cost of the work tendered for, net of the tenderer's commitment of other contracts (Certificate from Bankers/ C.A./ Financial Institution shall be accepted as a evidence).
- i) Details of Personnel (Proforma - IV)
- j) Details of works in hand (Proforma VI-A & VI-B) (original), along with copies of work orders & attested copies of percentage of works completed or part thereof.
- k) Affidavit for BEST Price (Proforma - VII)
- l) Structure & Organisation (Proforma - VIII)
- m) Litigation History (Proforma - IX)
- n) Details of Cleaning Contractor (Proforma – X)
- o) Declaration for Supply of Truck mounted Aerial/ Boom Lift crane (Proforma – XI)
- p) Equipment Manufacturer Declaration (Performa - XII)
- q) The successful bidder shall submit valid registration certificate under E.S.I.C., Act 1948, if the tenderer has more than 10 employees/ persons on his establishment (in case of production by use of energy) and 20 employees/persons on his establishment (in case of production without use of energy) to BMC as and when demanded. In case of less employees/persons mentioned above then the successful bidder has to submit an undertaking to that effect on Rs. 500/- stamp paper.
- r) The successful bidder shall submit valid registration certificate under E.P.F. & M.P., Act 1952, if tenderer has more than 20 employees/persons on his establishment, to BMC as and when demanded. In case if the successful bidder has less employees/

persons mentioned above then the successful bidder has to submit an undertaking to that effect on Rs.500/- stamp paper.

- s) Signed copy of the Addendum if any.
- t) Undertaking on Rs.500/- Stamp Paper towards arrangement of the required equipments for Signal Maintenance work.
- u) Form of Tender (As prescribed in Tender Document) duly filled in and digitally signed.
- v) Statement showing assessed available Bid Capacity

Note:

- *If the tenderer(s) withdraw tender offer during the tender validity period, his entire E.M.D shall be forfeited.*
- *If it is found that the tenderer has not submitted required documents in Packet “B” then, the shortfalls will be communicated to the tenderer through mahatender portal or e-mail and compliance required to be made within a time period of three working days otherwise they will be treated as non-responsive and their financial packet ‘C’ will not be opened and there will not be forfeiture of EMD.*

Note:

I) Curable Defect shall mean shortfall in submission such as:

a. Non-Submission of following documents.

- Valid Registration Certificate
- Valid Bank Solvency
- Goods and Service Tax Registration Certificate (GST)
- Certified copies of PAN documents and photographs of individuals, owners, etc.
- Partnership Deed and any other documents.
- Undertakings as mentioned in the tender document.

Maximum 5 shortfalls of curable defects shall be allowed and in case, curable defects are not compiled by bidder within given time period, the bidder shall be treated as ‘**Non-Responsive**’ & such cases will be informed to Registration and Monitoring Cell. Such non-submission of documents will be considered as ‘Intentional Avoidance’ and if three or more cases in 12 months are reported, shall be viewed seriously and disciplinary action against the defaulters such as banning/ deregistration, etc. shall be taken by Registration Cell due approval of the concerned AMC.

II) Non-curable Defect shall mean

- Inadequate submission of EMD amount.
- In-adequacy of technical and financial capacity with respect to Eligibility criteria as stipulated in the tender.
- Wrong calculation of Bid Capacity
- No proper submission of experience certificates and other documents etc.

Note: *Non-Curable shortfalls will not be intimated to the bidder and bid will be made Non Responsive*

PACKET – C

- a)** Price Packet ‘C’ is to be uploaded in Cover Type ‘Finance’ by the tenderer under ‘Tender Covers’

Note:

- *The bidder shall quote inclusive of all taxes and duties other than GST (excluding GST).*
- *In case of rebate/ premium of 15% and above as quoted by the tenderer, the rate analysis of major items shall be submitted by L1 and L2 bidder after demand notification by e-mail to bidders by Ex. Eng. (ATC). The format for rate analysis is annexed at Annexure D*

6.18 Bid Security or Earnest Money Deposit (EMD)

- A Bidder shall pay entire amount of Earnest Money Deposit (EMD) online through payment gateways of Government of Maharashtra on URL <https://mahatender.gov.in>. The bidder shall upload scan copy of online paid EMD along with bid submission in Packet ‘A’. Any bid not accompanied by an acceptable Bid security shall be rejected by the Employer as non-responsive.
- The Bid Security/ EMD of L-2 and other higher bidders (L-3, L-4 etc.) shall be refunded immediately after opening of financial bid.
- The Bid Security/ EMD of the successful bidder will be discharged when the bidder has signed the agreement and furnished the required Security Deposits. In case of successful bidder not registered with BMC in appropriate class in Electrical/ Mechanical/ Electronics, tender clause 6.2 will be applicable.
- In case, the successful bidder becomes non-responsive or successful bidder withdraws the bid or is unwilling to extend the bid validity period, in such

circumstances, if L-2 bidder is agreeable to extend the bid validity period and ready to deposit the requisite amount of bid security/ EMD to the department within the stipulated time period i.e. 15 days, the department will process further as per normal procedure.

The EMD may be forfeited:

- a) If the Bidder withdraws the Bid after bid opening (opening of technical qualification part of the bid during the period of Bid validity);
- b) In the case of a successful Bidder, if the Bidder fails within the specified time limit to:
 - sign the Agreement; and/ or
 - Furnish the required Security Deposits

6.19 BID VALIDITY

Bids shall remain valid for a period of not less than one eighty (180) days after the deadline date for bid submission specified in Bid Data Sheet. A bid valid for a shorter period shall be rejected by the Employer as non-responsive.

In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the bidders may extend the period of validity for a specified additional period. The request and the bidders' responses shall be made in writing or by cable. A bidder may refuse the request without forfeiting his Bid Security. A bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of his bid security for a period of the extension.

6.20 SECURITY DEPOSIT AND PERFORMANCE GUARANTEE

A. Security Deposit

The security deposit shall mean and comprise of

- I) Contract Deposit and
- II) Retention Money.
- I) **Contract Deposit** – The successful tender, here after referred to as the contractor shall pay an amount equal to **two (2)** percent of the contract sum within **thirty days** from the date of issue of letter of acceptance.
- II) **Retention Money** – As the said work falls in the Mechanical & Electrical Category hence the retention money will not be applicable.

B. Additional Security Deposit

Rebate Quoted by Bidder	ASD Applicable
Upto 12% Rebate	No ASD
12.01% to 20% Rebate	1% of estimated cost for each percentage and part thereof above 12% rebate. For example: Rebate quoted (-)18.06% ASD= (18.06-12) x 1% x Estimated Cost
20.01% rebate & above	1% of estimated cost for each percentage and part thereof above 12% rebate upto 20% rebate (i.e. 8%) + 2% extra for each percentage and part thereof over and above 20% rebate. For example: Rebate quoted (-)24.70% ASD= (8% + [(24.70% - 20%) x 2]) x Estimated Cost

The ASD is to be submitted within 15 working days after issue of L.O.A. in the form of Demand Draft at the CFC counter and submit copy of the receipt to the concerned HOD. If the requisite ASD is not submitted within 15 working days after issue of LOA 10% EMD shall be forfeited further, if requisite ASD is not submitted within 30 working days after issue of L.O.A. 100% EMD shall be forfeited and the bidder/company shall be debarred for a period of two years. Also, if any director/partner of such company is functioning as director/partner in any other company, that company shall also be liable for debarment for two years. Further, the work awarded will be terminated/revoked.

C. Performance Guarantee

The successful tender, here after referred to as the contractor shall pay in the form of “Performance Guarantee” at different rates for different slabs as stated below:

Offer	PG applicable %
For premium, at par and rebate 0 to 12%	PG= 0.92% x contract sum applicable for rebate of 12%
For rebate of 12.01%	P.G. = {0.92% x contract sum applicable for rebate of 12%} + (X) x contract sum where X= percentage rebate quoted more than 12%

Note: Contract sum shall mean amount after application of rebate/ premium as quoted by the contractor with contingencies only and excluding price variation.

The Performance Guarantee shall be paid in one of the following forms.

- I) Cash (In case guarantee amount is less than Rs.10,000/-)
- II) Demand Draft (In case guarantee amount is less than Rs.1,00,000/-)
- III) Government securities
- IV) Fixed Deposit Receipts (FDR) of a Schedule Bank.
- V) An electronically issued irrevocable bank guarantee bond of any Schedule bank or in the prescribed form given in Appendix.

Performance Guarantee is applicable over and above the clause of Security Deposit. Performance Guarantee will have to be paid & shall be valid till the defect liability period or finalization of final bill whichever is later.

This deposit will be allowed in the form of I to V as mentioned above and shall be paid within 15 days after receipt of Letter of Acceptance.

The Performance BG shall not be accepted in broken period else penalty amounting to Rs.1,000/- per day will be recovered for broken period.

D. Refund of Security Deposit

I. Refund of Contract Deposit

The Contract Deposit shall be released within 30 days after completion of the contract period subject to no recoveries are pending against the said work, provided that the Engineer is satisfied that there is no demand outstanding against the Contractor.

II. Refund of Retention Money

Not Applicable.

III. Refund of Additional Security Deposit

The additional security deposit shall be released within 30 days of issue of 'Certificate of Completion' with respect to the whole of the Works. In the event the Engineer issues a Taking-over Certificate for a completed works having separate wbs element, only such portion shall be considered for payment to the contractor.

IV. Refund of Performance Guarantee

The Deposit on account of performance guarantee shall be released within 30 days of completion of contract period subject to finalization of final bill whichever is later and no recoveries are pending against the said work, provided that the Engineer is satisfied that there is no demand outstanding against the Contractor.

- a) It shall be clearly mentioned that the BG shall be applicable for individual work/ contract and clubbing of various contracts of the said contractor will not be allowed. In case of obtaining Bank Guarantee, it is necessary to mention that the same shall be valid further for minimum 6 months beyond the contract period.
- b) It shall be the responsibility of the bidder to keep the submitted B.G. “VALID” for the stipulated time period as mentioned in the tender & in case of its expiry it will attract penalization.

Bank Guarantee should be issued by way of General Undertaking and Guarantee issued on behalf of the Contractor by any of the Nationalized or Scheduled banks or branches of foreign banks operating under Reserve Bank of India regulations located in Mumbai upto Virar & Kalyan. List of approved Banks is appended at Section 12 of the tender document. The Bank Guarantee issued by branches of approved Banks beyond Kalyan and Virar can be accepted only if the said Bank Guarantee is countersigned by the Manager of a Regional Branch of the same bank within the Mumbai City Limit; categorically endorsing thereon that the said Bank Guarantee is binding on the endorsing Branch of the Bank or the Bank itself within Mumbai Limits and is liable to be enforced against the said Branch of the Bank or the bank itself in case of default by the Contractors furnishing the Bank Guarantee. The Bank Guarantee shall be renewed as and when required and/ or directed from time to time until the Contractor has executed and completed the works and remedied any defects therein..

E. Legal and Stationery Charges: (As per applicable circular)

The successful bidder shall pay the Legal Charges and Stationery charges as below.

Contract Value	Legal & Stationery Charges
Rs. 50,000/-	NIL
Rs. 50,001/- to Rs. 1,00,00,000/-	0.10% of Contract cost (subject to rounding of such amount to the next hundredth) plus 18% GST (minimum Rs.1,000/- plus GST & maximum Rs.10,000/- plus GST)
Rs.1,00,00,001/- to Rs. 10,00,00,000/-	For contract cost upto Rs.1,00,00,000/- Rs.10,000/- plus 0.05% on the amount exceeding Rs.1,00,00,000/- (subject to rounding of such amount to the nearest hun-

	dredth) plus 18% Goods & Service Tax rate.
Rs. 10,00,00,001/- and above	For contract cost upto Rs.10,00,00,000/- Rs.55,000/- plus 0.01% on the amount exceeding Rs.10,00,00,000/- (subject to rounding of such amount to the nearest hundredth) plus 18% Goods & Service Tax rate

The contractor has to pay the Legal and Stationery charges at prevailing rates. Please note that stationary charges are recovered from the successful bidder for supply of requisite prescribed forms for preparing certificate bills in respect of the work.

F. Stamp Duty: (As per applicable circular)

It shall be incumbent on the successful bidder to pay stamp duty on the contract.

- i. As per the provision made in Article 63, Schedule I of Bombay Stamp Act 1958, stamp duty is payable for “works contract” that is to say, a contract for works and labour or services involving transfer of property in goods (whether as goods or in some other form) in its execution and includes a sub-contract, as under (amended 2024):
 - (a) Where the amount or value set forth in such contract does not exceed Rupees Five Lakh
Five Hundred Rupees Stamp Duty
 - (b) Where it exceeds Rupees Five Lakh
Five Hundred Rupees plus 0.3% of the amount above Rupees Five Lakh subject to the maximum of Rupees Twenty Five Lakh Stamp Duty

For Bank Guarantee

- (a) If the amount secured does not exceed Rs. Five Lakh
0.1% of the amount secured subject to the minimum of One Hundred Rupees.
- (b) In any other case
0.3% of the amount secured subject to the maximum of Twenty Lakh Rupees.

After expiry of Bank Guarantee (BG) if BG extended, the extended BG will be treated as new BG and stamp duty amount is applicable as above for every extension.

- ii. The successful bidder shall enter into a contract agreement with BMC within 30 days after the date of issue of Letter of Acceptance and the same should be adjudicated for payment of Stamp Duty by the successful bidder.
- iii. Further shortfall if any, in amount of stamp duty paid as against prescribed amount for the documents executed in Mumbai City & Mumbai Suburban

District be recovered from the concerned work contractors and to deposit the deficit or unpaid Stamp Duty and penalty by two separate Demand Draft or Pay Order in favour of “Superintendent of Stamp, Mumbai” within 15 days from intimation thereof.

- iv. All legal charges and incidental expenses in this respect shall be borne and paid by the successful bidder.

6.21 **IMPORTANT DIRECTIONS:**

1. All the information uploaded shall be supported by the corroborative documents in absence of which the information uploaded will be considered as baseless and not accepted for qualification criteria. All the documents shall be uploaded with proper pagination. The page No. shall be properly mentioned in the relevant places.
The information shall be uploaded in the sequence as asked for with proper indexing etc. The Bidder shall be fully responsible for the correctness of the information uploaded by him.
2. Interested bidders should follow the manuals available on Mahatenders Portal <https://mahatenders.gov.in>. Any queries or request for additional information concerning this TENDER shall be submitted by e-mail to **bmc.traffic.atc@gmail.com**. The subject shall clearly bear the following identification/ title: **"Queries/ Request for Additional Information: TENDER for “Maintenance of Conventional Non ATC Road Traffic Signal System and Flashing Beacons in Western Suburb of Brihanmumbai for the period from 01.09.2026 to 31.08.2028”** Any changes in mail ID will be intimated on the portal.
3. **In case of Equal percentage of lowest bidders (L1), the ‘Sealed Bids’ shall be called for re-quoting from the bidders those quoting the same quote i.e. L1. The seal bids shall be submitted within 2 working days from the day of opening of packet C. In case of equal quote of lowest bidders is obtained even after re-quoting, then the successful bidder will be decided by lottery system by concerned Chief Engineer. The bidder shall need to submit the additional ASD if applicable.**

6.22 **Taxes and Duties on Material:**

The tenderer shall quote inclusive of all taxes other than GST (**Excluding GST**), Levies, Duties, Cess etc as applicable at the time of bid submission. GST as applicable shall be paid separately on submission of bills/invoice.

Input Tax Credit of GST as available with the bidder will not be claim separately by BMC. However, while quoting the rates benefit of Input Tax Credit or Exemptions shall be passed on to the BMC by way of equivalent reduction in quoted price.

6.23 Payments Terms :

The bills for the executed works shall be submitted within prescribed time by the contractor and same will be certified by the Engineer as per BMC routine procedure of payment.

6.24 Submission of bills

The Contractor shall submit the bill for the work carried out within 15 days from the date of completion of the work to the respective executing department. If the Contractor fails to submit their bills to concerned executing department for the completed works/ running bill within 15 days, penalty or action as shown below will be taken for each delayed bill.

After 15 days from the date of completion/ running bill upto certain date, upto next 15 days i.e. upto 30 days	Equal to 5% of Bill Amount
Next 15 days upto 45 days from the date of completion/ running bill upto specified date.	Equal to 10% of Bill Amount
If not submitted within 45 days from the date of completion/ R. A. Bill	Bill will not be admitted for payment

6.25 Deleted.

6.26 The Amount of Solvency Certificate Prescribed is as Under:

Total Estimated Cost (Rs. In Lakh)	Solvency Certificate Value
Without limit	Rs. 8 Lakhs

The Bank Solvency Certificate should be issued not more than Six months prior to the date of submission of Tender and valid upto one year

6.27 Penalty Clause:

There shall be regular review regarding the performance of the contractor by BMC/ Traffic Police. In case at any stage, it has been observed/ found that the performance of the contractor is unsatisfactory or discrepancies are found in the works carried out by contractor, BMC reserves the right to penalize the contractor.

However, performance of the work does not include unavoidable delay in executing the work and penalty levied on account of delayed works and other insignificant shortcomings.

If the maintenance work is not carried out to the satisfaction of the BMC and/or Traffic Police Authorities, the Contractor shall be liable to be penalized and deductions, as deemed appropriate. The penalty/ deductions will be made from the maintenance bills, after evaluating the performance on the basis of several external factors such as power supply, excavation permission, no. of signals that were faulty or non functioning, the response time in attending the faults/ damages, frequency of defects, non replacement of LED retrofits/ SMPS or other parts, other software and hardware problems related to the Controller etc. In case of unsatisfactory maintenance, the office of Jt. Commissioner of Police (Traffic), who are the end users of the Traffic Signal System, may also propose penalty.

The penalties will be based on resolution time as specified below. If the resolution time exceeds the specified resolution time, then the penalties will be levied as specified below and will be deducted from the monthly running bills.

Sr. No.	Description	Resolution Time in working days	Penalty Imposed after stipulated Resolution Time
1	All vehicular/ pedestrian signal indications of Non ATC Signal Junction and Flashing Beacons should be in operative continuous	One Day	Rs.500/- per day per Aspect
2	Replacement of damaged Aspect and Make it Functional after placement of work order or by Verbal Instruction of Engineer	One Day	Rs.500/- per day per Aspect
3	All signal Aspects are properly aligned	One Day	Rs.500/- per day per Signal Aspect Assembly
4	Damaged signal poles (Straight /Cantilever Pole) to be replaced and make it functional after placement of work order or by Verbal Instruction of Engineer whichever earlier	Four Days	Rs.1,000/- per day per Pole
5	All signal poles pole caps & pole door, Grommets, Screws, junction box are properly in-tacked	One Day	Rs.500/- per day per Pole
6	All Signal aspects, Controllers, Straight Poles, Cantilever Poles, Power Supply Boxes etc. should be normally cleaned during Preventive & Corrective Maintenance	Within Month	Rs.1,000/- per month per Junction
7	All Signal Controller should be properly operative continuously	One Day	Rs. 2,000/- per day per Junction
8	Rectification of Cable Fault after placement of work order or by Verbal	Four Days	Rs.500/- per day per Junction

	Instruction of Engineer whichever earlier		
9	Restoring the Power Supply from Power Supply Company	Two Days	Rs.500/- per day per Junction
10	Replacing the damaged Controller including sealing after placement of work order or by Verbal Instruction of Engineer whichever earlier	Two Days	Rs.1,000/- per day per Junction
11	Replacing the rusted Controller Cabinet after placement of work order or by Verbal Instruction of Engineer whichever earlier	Two Days	Rs.1,000/- per day per Junction
12	Damaged foundation for controller & Power Supply Box should be Prepared and make the controller in operative condition after placement of work order or by Verbal Instruction of Engineer whichever earlier	Four Days	Rs.1,000/- per day
13	Sealing should be done after installation/ replacement of controller/ controller cabinet	One Day	Rs.500/- per day per Junction
14	Preparing the damaged Non ATC signal chambers and putting Chamber Cover after placement of work order or by Verbal Instruction of Engineer	One Day	Rs.500/- per day per Chamber
15	To ensure that all chamber are properly covered with Chamber covers	One Day	Rs.500/- per day per Chamber
16	The signal junction is completely Off due to negligence/ lapse on account of contractor	Two Days	Rs.5,000/- per month per Junction
17	Maintenance Vehicle not provided	One Day	Rs.2,000/- per day
18	Work not completed as per tender specifications or as per the instructions of Engineer	One Day	Rs.5,000/- per incident
19	Non-availability of staff	-	As per Tender Clause No.- 6.9
20	Flashing Beacons should be normally cleaned during Preventive & Corrective Maintenance	One Month	Rs.1,000/- per month per flasher
21	Barricading is not provided on work site	Per Day	Rs.1,000/- per day per junction
22	Removal of debris from site	Per Day	Rs.1,000/- per day per junction
23	Maintenance Team Not available	Per Day	Rs.3,500/- per day

6.28 Litigation History

The bidder shall disclose the litigation history as mentioned in Packet 'B. If there is no litigation history, the bidder shall specifically mention that there is no litigation history against him. In case there is litigation history-

Litigation History must cover – Any action of blacklisting, debarring, banning, suspension, de-registration and cheating with BMC, State Govt., Central Govt. or any authority under State or Central Govt./ Govt. Organisation initiated against the company, firm, directors, partners or authorized signatory shall be disclosed for last 5 years from the date of submission of bid. Also, bidder must disclose the litigation history for the last 5 years from the date of submission of bid about any action like show caused issued, blacklisting, debarring, banning, suspension, de-registration and cheating with BMC and BMC is party in the litigation against the company, firm, directors, partners or authorized signatory for carrying out any work for BMC by any authority of BMC and the orders passed by the competent authority or by any Court where BMC is a party. While taking decision on litigation history, the concerned Chief Engineer or D.M.C. Or Director, as may be the case, should consider the details submitted by bidder and take decision based on the gravity of the litigation and the adverse effect of the act of company, firm, directors, partners or authorized signatory on the BMC works which can spoil the quality, output, delivery of any goods or any work execution and within the time frame.

6.29 GST – Anti Profiteering Measures

“Chapter XXI-Miscellaneous, section 171(1) of GST Act, 2017 governs the 'Anti Profiteering Measure' (APM)

As per the provision of this section, 'Any reduction in rate of tax on any supply of goods or services or the benefit of input tax credit shall be passed on to the recipient by way of commensurate reduction in prices'

Accordingly, the contractor should pass on the complete benefit accruing to him on account of reduced tax rate or additional input tax credit, to BMC.

Further, all the provisions of GST Act will be applicable to the tender.”

6.30 The Successful Bidder should pay the Building & Other Construction Workers' Cess as per Building & Other Construction Workers' (Regulation of Employment and Conditions of Service) Act 1996. The Bidder should consider the same while submitting the offer.

- 6.31** After opening of Packet 'C', the first lowest bidder shall submit an undertaking on Rs. 500/- stamp paper that they will complete the work within stipulated period mentioned in the tender.
- 6.32** For “INTERNAL GRIEVANCE REDRESSAL MECHANISM” please refer Annexure “F”
- 6.33** **Arbitration and Jurisdiction:-** If the Commissioner fails to give notice of the decision as aforesaid within a period of 90 days after being requested as aforesaid or if the Contractor is dissatisfied with any such decision, then the Contractor may within 90 days after receiving notice of such decision or within 90 days after the expiration of the first named period of 90 days (as the case may be) require that the matter or matters in dispute be referred to arbitration as hereinafter provide. i) In case of a contract where the contract price and/ or contract value is less than Rs.5,00,00,000/- (Rupees Five Crore Only), any dispute arising out of or in connection with this contract , including any question regarding its existence, validity or termination, shall be referred to a mutually agreed arbitral tribunal in accordance with the Arbitration and Conciliation Act, 1996 (amended upto date). The arbitral tribunal shall consist of a sole arbitrator, as mutually agreed upon by the parties and the said dispute shall be finally resolved by the said arbitral tribunal. The decision of the arbitral tribunal shall be in writing (with reasons) and which will be final and binding upon the parties hereto and the expenses of the arbitration shall be paid as may be determined by the arbitrail tribunal. The seat of the arbitration shall be Mumbai. The venue of arbitration shall be within the limits of Brihan Mumbai. The language of the Arbitration shall be English. If the parties fails to appoint mutually agreed arbitral tribunal, within the period of 30 days from the date of application seeking arbitration in the dispute, the arbitral tribunal shall be appointed by the recognised arbitral institution i.e. Mumbai Centre for International Arbitration (approved by Government of Maharashtra under G.R. no. ARB/ Case No.1/2017/D-19 dtd. 28.02.2017) as per the Arbitration Rules of the Mumbai Centre for International Arbitration then in force (“MCIA Rules”.) ii) In case of contract where the contact price and/ or contract value is Rs.5,00,00,000/- (Rupees Five Crore Only) or more, any dispute arising out of or in connection with such a contract, including any question regarding its existence, validity or termination, shall be directly referred to and finally resolved by the recognized arbitral institution i.e. Mumbai Centre for International Arbitration (approved. by Government of Maharashtra under G./R. no. ARB/ Case No.1/

2017/ D-19 dtd. 28.02.2017) as per the Arbitration Rules of the Mumbai centre for International Arbitration then in force (“MCIA Rules”).).

The arbitral tribunal shall consist of a sole arbitrator. The seat of the arbitration shall be Mumbai. The language of the Arbitration shall be English. In either case, the law governing this arbitration agreement and the contract shall be Indian Law.

SECTION 7

SCOPE OF WORK

Scope of Work

7.1 Preventive and Corrective Maintenance

1. Preventive and Corrective Maintenance of Non ATC Road Traffic Signals & Flashing Beacons.
2. Cleaning of Street Furniture & Signal Accessories including removal of stickers, paper banners etc. on Controller, Poles, Power Supply Box, Chambers etc
3. Preventive and Corrective Maintenance of Digital Count Down Timers/ Beeper Unit
4. Repairing of various electronics accessories of the controller.
5. Providing/ Maintaining painting of controller foundation yellow and black strips and maintaining junction name, junction code on controller cabinet and Meter number on Power supply box
6. Providing and maintaining numbering on signal pole along with junction code as directed by engineer
7. Maintaining new installed signal junctions in good working condition throughout the DLP period
8. Supply, Installation, testing & Commissioning of Controller, aspects, poles, cables etc. at given location as per given specifications.
9. Supply, Installation, testing & Commissioning of New Traffic Signal/ Flashing Beacons as instructed by the Engineer

7.2 Damage Maintenance

1. Up-gradation of existing Flashing Beacons into vehicular traffic signals/ pedestrian signal.
2. Providing trench for cables in carriageway & footpath, laying of HDPE pipes/ G.I. Pipes, construction of Controller Foundation, Construction of Pole foundation, Installation of Pole, Construction of chambers etc. and temporary reinstatement of the trenches as per BMC Trenching Guidelines available on BMC website.
3. Renovation/ improvement/ modification/ alteration of signal junctions/ Flashing Beacons etc.
4. Replacement of old unserviceable/ outdated/ obsolete/ damaged traffic signals controllers, poles, aspects, junction boxes, cables etc.
5. Shifting of street furniture along with cables etc. of signals/ Flashing Beacons due to various civic works.
6. Providing/ Shifting electric supply to RTSS/ Flashing beacons from respective Power Supply Company.
7. Application to different ward offices & agencies for excavation permission on the carriage way & footpath and follow up for permit, however the necessary recommendatory letters to the concern agencies will be given by BMC.
8. Damage Maintenance of Digital Countdown Timers installed to Road Traffic Signal System.
9. Preparation of signal junction drawings including junction diagram, phase plan & general arrangement.
10. Repairing of electronic cards of signal control system.
11. Damage replacement work for new installed junction shall be carried out in case of any damages occurred due to accident during DLP period

Note:

- ◆ *Any other work related to improvement/ modernization/ maintenance of traffic signals which is not covered above but felt essential by engineer in charge after visit to particular site*

SECTION 8

BILL OF QUANTITIES

BILL OF QUANTITIES

Sr. No.	Item Code	Unit	Schedule Rate (Rs.)	Quantity	Amount (Excluding GST) Rs.
1	R3-RT-NATC-1.5	Nos	87,712.00	6	526,272.00
2	R3-RT-NATC-1.7	Nos	20,344.00	10	203440.00
3	R3-RT-ATC-1.10	Nos	6,325.00	15	94875.00
4	R3-RT-NATC-1.11	Nos	4,083.00	20	81660.00
5	R3-RT-NATC 1.12	Nos	863.00	4	3452.00
6	R3-RT-NATC 1.13	Nos	1,955.00	20	39100.00
7	R3-RT-NATC 1.14	Nos	23,000.00	70	1610000.00
8	R3-RT-NATC 1.15	Nos	633.00	80	50640.00
9	R3-RT-NATC 1.17	Nos	195.00	70	13650.00
10	R3-RT-NATC 2.13	Nos	2415.00	15	36225.00
11	R3-RT-NATC 2.14	Nos	400.00	17	6800.00
12	R3-RT-NATC 2.15	Nos	173.00	5	865.00
13	R3-RT-NATC 3.1	Mtr	122.00	1200	146400.00
14	R3-RT-NATC 3.2	Mtr	14.00	1200	16800.00
15	R3-SE-5-9-a	Mtr	1,355.00	300	406500.00
16	R3-RT-NATC 3.5	Mtr	41.00	800	32800.00
17	R3-RT-NATC 3.6	Mtr	7.00	800	5600.00
18	R3-RT-NATC 3.11	Mtr	403.00	50	20150.00
19	R3-RT-NATC 3.12	Mtr	69.00	50	3450.00
20	R3-RT-NATC 3.13	Mtr	55.00	40	2200.00
21	R3-RT-ATC 4.1	Nos	12,144.00	70	850080.00
22	R3-RT-ATC 4.2	Nos	27,658.00	6	165948.00
23	R3-RT-ATC 4.9	Nos	20,689.00	2	41378.00
24	R3-RT-NATC 4.14	Nos	8,568.00	6	51408.00
25	R3-RT-ATC 4.23	Nos	2,875.00	6	17250.00
26	R3-RT-ATC 4.24	Nos	4,600.00	50	230000.00
27	R3-RT-ATC 4.25	Nos	9,025.00	6	54150.00
28	R3-RT-ATC 4.26	Nos	2,875.00	4	11500.00
29	R3-RT-ATC 4.30	Nos	11,000.00	10	110000.00
30	R3-RT-ATC 4.31	Nos	50,356.00	2	100712.00
31	R3-RT-ATC 4.32	Nos	50,356.00	2	100712.00
32	R3-RT-ATC 4.33	Nos	34,004.00	4	136016.00

33	R3-RT-ATC 4.35	Nos	12,777.00	4	51108.00
34	R3-RT-ATC 4.36	Nos	11,100.00	95	1054500.00
35	R3-RT-ATC 4.37	Nos	10,100.00	10	101000.00
36	R3-RT-NATC 5.3	Nos	138.00	50	6900.00
37	R3-RT-NATC 5.4	Nos	13,168.00	10	131680.00
38	R3-RT-NATC 5.5	Nos	2,473.00	15	37095.00
39	R3-RT-NATC 5.6	Nos	288.00	10	2880.00
40	R3-RT-ATC 6.1	Nos	4,428.00	130	575640.00
41	R3-RT-ATC 6.2	Nos	4,428.00	130	575640.00
42	R3-RT-ATC 6.3	Nos	4,773.00	250	1193250.00
43	R3-RT-ATC 6.6	Nos	4,428.00	5	22140.00
44	R3-RT-ATC 6.7	Nos	3,220.00	10	32200.00
45	R3-RT-ATC 6.8	Nos	2,415.00	600	1449000.00
46	R3-RT-ATC 6.15	Nos	259.00	700	181300.00
47	R3-RT-ATC 6.16	Nos	748.00	100	74800.00
48	R3-RT-ATC 6.17	Nos	345.00	700	241500.00
49	R3-RT-ATC 6.18	Nos	748.00	100	74800.00
50	R3-RT-ATC 6.19	Nos	25,000.00	5	125000.00
51	R3-RT-ATC 6.20	Nos	15,000.00	5	75000.00
52	R3-RT-ATC 6.21	Nos	8,500.00	5	42500.00
53	R3-RT-ATC 7.14	Mtrs	37.00	6000	222000.00
54	R3-RT-ATC 7.15	Mtrs	29.00	750	21750.00
55	R3-RT-ATC 7.16	Mtrs	25.00	300	7500.00
56	R3-RT-NATC 7.20	Nos	920.00	40	36800.00
57	R3-RT-NATC 7.22	Nos	978.00	70	68460.00
58	R3-RT-ATC 7.26	Mtrs	117.00	100	11700.00
59	R3-RT-ATC 7.28	Mtrs	189.00	2000	378000.00
60	R3-RT-ATC 7.30	Mtrs	299.00	3000	897000.00
61	R3-RT-NATC 8.1	Nos	5,340.00	7	37380.00
62	R3-RT-NATC 8.2	Nos	734.00	7	5138.00
63	R3-RT-NATC 8.3	Nos	4,600.00	5	23000.00
64	R3-RT-NATC 8.4	Nos	6,440.00	5	32200.00
65	R3-RT-NATC 8.8	Nos	5,748.00	6	34488.00
66	R3-RT-NATC 8.9	Nos	8,622.00	8	68976.00
67	R3-RT-NATC 8.12	Nos	5,750.00	8	46000.00
68	R3-RT-NATC 8.13	Nos	5,750.00	10	57500.00

69	R3-RT-NATC 8.15	Nos	1,504.00	10	15040.00
70	R3-RT-NATC 8.16	Nos	653.00	12	7836.00
71	R3-RT-NATC 8.17	Nos	544.00	16	8704.00
72	R3-RT-NATC 8.18	Nos	544.00	10	5440.00
73	R3-RT-NATC 8.19	Nos	544.00	22	11968.00
74	R3-RT-NATC 8.20	Nos	544.00	22	11968.00
75	R3-RT-14.13	Cum	2,415.00	500	1207500.00
76	R3-RT-14.14	Cum	4,428.00	60	265680.00
77	R3-RT-14.15	Cum	1,208.00	110	132880.00
78	R3-RT-14.16	Mtr	5,865.00	50	293250.00
79	R3-RW-10-49	Cum	1,663.00	40	66520.00
80	R3-RT-14.17	Nos	10,983.00	120	1317960.00
81	R3-RT-14.19	Nos	13,225.00	20	264500.00
82	R3-RT-14.25	Nos	6,670.00	90	600300.00
83	R3-RT-14.26	Nos	11,765.00	4	47060.00
84	R3-RT-14.30	Nos	7,935.00	20	158700.00
85	R3-RT-14.32	Nos	50,000.00	5	250000.00
86	R3-RT-ATC-16.10	Nos	863.00	90	77670.00
87	R3-RT-ATC-16.11	Nos	6,613.00	20	132260.00
88	R3-RT-ATC-16.13	Nos	3,812.00	80	304960.00
89	R3-RT-ATC-16.14	Nos	1,886.00	80	150880.00
90	R3-RT-ATC-17.1	Nos	882.00	120	105840.00
91	R3-RT-ATC-17.36	Nos	6,359.00	20	127180.00
92	R3-RT-ATC-17.37	Nos	2,209.00	20	44180.00
93	R3-RT-NATC 13.1	Nos	9,200.00	3910	35972000.00
94	R3-RT-NATC 13.3	Nos	863.00	1512	1304856.00
95	R3-RT-NATC 13.4	Nos	2,361,830.00	3	7085490.00
96	R3-RT-NATC 13.5	Nos	1,771,372.00	2	3542744.00
97	R3-RT-NATC 13.9	Nos	6,325.00	99	626175.00
Total Amount Rs. (Excluding GST)					67,305,399.00

SECTION 9

GENERAL CONDITIONS OF CONTRACT

GENERAL CONDITIONS OF CONTRACT - DEFINITION AND INTERPRETATION

General Conditions of Contract (G.C.C.) revised up to date, are available on BMC web site '<https://portal.mcgm.gov.in> for reference.

SECTION 10

SPECIFICATIONS & SELECTION OF MATERIAL

SPECIFICATIONS

Please refer Traffic ATC USOR -2023-Specification, S.P. USOR 2023 & Roads USOR 2023 published on BMC portal for items specified in BOQ

Note: *Make of material used should be as per Traffic ATC USOR-2023 or equivalent make as approved by Engineer In-charge*

CONTRACTOR'S OBLIGATIONS

The clauses in this section are meant to provide general guidelines and compliance requirements to the Contractor. It does not however relieve the Contractor from taking every other steps and precautions as deemed necessary to carry out the maintenance of road traffic signals successfully within the specified contract period and the bided amount.

SAFE WORKING CONDITIONS AND CONTRACTOR'S COMPLIANCE

The Contractor shall ensure that all the necessary safety requirements for persons working on the signal junctions installations are fully complied with provisions in the Corporation's General Safety Precautions and the clauses in the specification. The requirements and precautions shall also to be taken when working on height or on road.

LIAISON

The Contractor shall interact with different departments and agencies involved with regard to the co-ordination of civil engineering, and all other works associated with the contract for successful execution of the contract. It will be his sole responsibility to coordinate with different agencies and get the work done successfully. The BMC will provide the necessary help in respect of required letters to these agencies.

PERSONNEL AND ACCESS

The Contractor shall supply with his Bid the Curriculum Vitae of personnel and their specific staff task definitions to be employed on the Contract including Sub-Contractors. Any proposed changes to the Contractor's, including Sub-Contractors, team during the Contract shall be notified to the Engineer's and shall be to his satisfaction. The BMC shall ensure that the Contractor has reasonable access to all locations to enable the Contractor to execute his responsibilities within the terms of the Contract. However, access to certain locations may be by arrangement, these shall be defined by the BMC during the period of the Contract. If the Contractor find that he encounters unexpected delays in executing his programme due to lack of access to relevant locations and/or sites, then he shall through the established reporting procedures identifying this to the Engineer.

COMPLIANCE WITH STANDARDS

The Bidder shall provide evidence that the equipment offered has type approval in the original country of design and manufacture, that the equipment fully complies with the standards and specifications quoted in Sections of this specification and is appropriate for International use and for use in India.

ELECTRICITY SUPPLY

The electric supply shall be made available free of cost by BMC from sources as the Bombay Electric Supply and Transport (BEST), Adani Electricity Mumbai Ltd. and the Maharashtra State Electric Distribution Company Limited (MSEDCL Ltd.), after appropriate liaising by the Contractor. The Contractor shall be responsible for all costs associated with the provision of electric supplies required in order to meet the contractual requirements. It shall be the Contractor's responsibility to make the necessary arrangements with the appropriate electric supplier in all matters relating to the provision of a suitable cubicle for receiving and metering, termination, and or improvement of all power supply. It may be found necessary when replacing existing traffic signal control equipment to provide new electric cut out or otherwise improve such terminations so that they conform with the requirements of the IS:3043 - 1987, CL. 19.3 or other Internationally accepted equivalent standard.

The Contractor shall be responsible for all costs incurred in the testing, liaison and the total costs associated with the provision of any new supply. However, monthly recurring energy bills will be paid by BMC.

The Contractor is required to notify the appropriate electric supplier well in advance regarding new supply and will meet the cost for the provision of an electric supply to enable connection of equipment provided by this Contract. The Contractor shall make himself aware of the lead in time scales required before an electric supply would be provided. The Employer reserves the right to claim against the Contractor for any delay caused to the commissioning program caused by the non availability of an electric supply. The penalty will be proportionate to the loss of benefit that would otherwise have been gained by the Employer. It is the responsibility of contractor to depute dedicated a person for collecting Electricity Bills from concern supply company and pay the electricity bills after receiving the cheque from BMC and submit the receipt of the payment to BMC.

Special directions to Contractors

The Contractor, prior to the start of any civil engineering works associated with either Junction Improvements, Traffic Signal Installation and Ducting shall produce engineering drawings. The Engineer shall agree these drawings prior to the commencement of any works. The Contractor shall be responsible for all civil engineering work included in roads and footways for those elements described above. Works for the implementation of traffic signals system shall be carried out to minimize disruption to traffic and pedestrians. Work in sections shall be completed and the road shall be backfilled and opened to traffic before work commences in the next section. Work in any section, including loading and unloading, shall be carried out in such a manner that traffic and utilities in the adjacent footway will be adequately maintained. Unless otherwise defined in the Contract, excavations shall be formed with a clean edge in such a manner that the adjacent road or footways, including edges are not damaged to ensure reinstatement to match and be continuous with the adjacent area. Excavated material shall not be stored adjacent to excavations in roads or footways unless permitted by the Engineer. The excess of excavated material shall be disposed off by the contractor at his own within time period specified in the guidelines of BMC for trenches, otherwise strict action as stated in the trenching policy will be applicable to the contractor. Vehicular access across excavations in roads shall be provided by steel covers. The covers shall be designed to appropriate Indian standards and shall be capable of withstanding the full traffic load permitted to use the road. Sufficient steel covers shall be kept on the Site adjacent to excavations in roads to permit vehicular access across the excavations in case of emergency. The Contractor shall ensure that excavations are fully supported at all times to ensure the safety of his own employees and the public. Temporary traffic diversion, pedestrian access and lighting, signages, guarding and traffic control equipment shall be removed immediately if they are no longer required. Roads, footways and other items affected by temporary traffic arrangements and control shall be reinstated to the same condition as existing before the work started or to such other condition as may be agreed or instructed by the Engineer or otherwise defined in the Contract. Measures shall be taken to prevent excavated material, silt or debris from entering drainage System in roads and footways. Entry of water to any gullies shall not be obstructed.

SELECTION OF MATERIAL

1. All materials brought on the site of work and meant to be used in the same, shall be the best of their respective kinds and from fresh stock and to the approval of the Engineer. The

Engineer or his representative will accept that the materials are really the best of their kinds, when it is proved beyond doubt that no better materials of the particular kind in question are available in the market.

2. The contractor shall obtain the approval of the Engineer for samples of all materials to be used in the works and shall deposit these samples with the engineer before placing an order for the materials with the suppliers. The materials brought on the works shall conform in every respect to their approved samples. Fresh samples shall be deposited with the Engineer when-ever the type or source of any material changes.
3. The contractor shall check each fresh consignment of materials as it is brought to the site of works to see that they conform in all respects to the Specifications of the samples approved by the Engineer, or both.
4. The Engineer will have the option to have any of the materials tested to find out whether they are in accordance with the Specifications and the Contractor shall bear all expenses for such testing. All the bills, vouchers and test certificates, which in the opinion of the Engineer or his representative are necessary to convince him as to the quality of the materials or their suitability shall be produced for his inspection when required.
5. Any material that have not been found to conform to the specifications will be rejected forthwith and shall be removed from the site by the contractor at his own cost within 24 hours.
6. The Engineer shall have power to cause the Contractors to purchase and use such material from any particular source, as may in his opinion be necessary for the proper execution of the work.

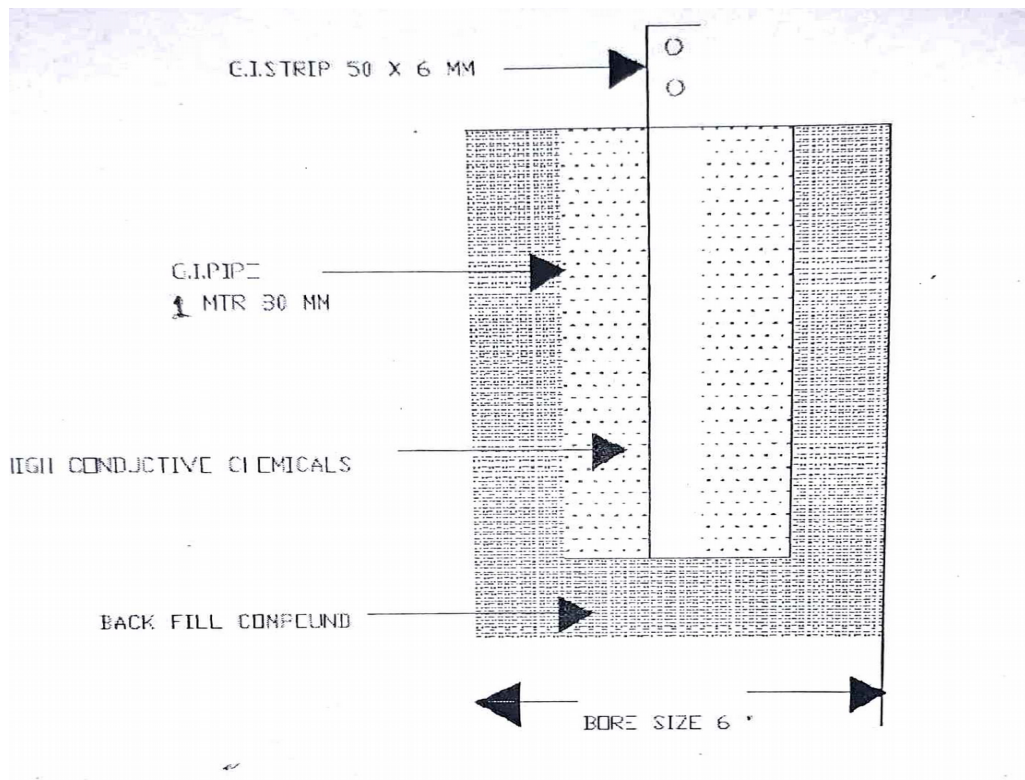
Chemical Earthing

Chemical Earthing confirming to relevant IS & as per IS 3043:1987 for electrode. The earthing rod size shall be chosen as per soil condition such as wet marshy ground, clay/loamy soil, clay soil, clay & loam mixed with varying properties of sand, ground & sand, dam & wet sand.

Back filled Compound

Back filled compound containing of minimum 11 types of high conductive and 11 types of anti corrosive chemical to reduce corrosion and increase conductivity

Reference drawing:



SECTION 11

FRAUD AND CORRUPT PRACTICES

FRAUD AND CORRUPT PRACTICES

- The Bidders and their respective officers, employees, agents and advisers shall observe the highest standard of ethics during the Bidding Process. Notwithstanding anything to the contrary contained herein, the Authority may reject an bid without being liable in any manner whatsoever to the Bidder if it determines that the Bidder has, directly or indirectly or through an agent, engaged in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice in the Bidding Process.
- Without prejudice to the rights of the Authority under relevant Clause herein above, if an Bidder is found by the Authority to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice during the Bidding Process, such Bidder shall not be eligible to participate in any tender or RFQ issued by the Authority during a period of 2 (two) years from the date such Bidder is found by the Authority to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice, as the case may be.
- For the purposes of this Clause , the following terms shall have the meaning hereinafter respectively assigned to them:
 - A. **“corrupt practice”** means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the actions of any person connected with the Bidding Process (for avoidance of doubt, offering of employment to, or employing, or engaging in any manner whatsoever, directly or indirectly, any official of the Authority who is or has been associated in any manner, directly or indirectly, with the Bidding Process or the LOA or has dealt with matters concerning the Concession Agreement or arising there from, before or after the execution thereof, at any time prior to the expiry of one year from the date such official resigns or retires from or otherwise ceases to be in the service of the Authority, shall be deemed to constitute influencing the actions of a person connected with the Bidding Process); or save and except as permitted under the relevant sub clause, engaging in any manner whatsoever, whether during the Bidding Process or after the issue of the LOA or after the execution of the Concession Agreement, as the case may be, any person in respect of any matter relating to the Project or the LOA or the Concession Agreement, who at any time has been or is a legal,

financial or technical adviser of the Authority in relation to any matter concerning the Project;

B. “fraudulent practice” means a misrepresentation or omission of facts or suppression of facts or disclosure of incomplete facts, in order to influence the Bidding Process ;

C. “coercive practice” means impairing or harming or threatening to impair or harm, directly or indirectly, any person or property to influence any persons participation or action in the Bidding Process;

D.

“undesirable practice” means (i) establishing contact with any person connected with or employed or engaged by the Authority with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the Bidding Process; or (ii) having a Conflict of Interest; and

E. “Restrictive practice” means forming a cartel or arriving at any understanding or arrangement among Bidders with the objective of restricting or manipulating a full and fair competition in the Bidding Process.

F. If the Employer/ Financier determines that the Contractor has engaged in corrupt, fraudulent, collusive, coercive or obstructive practices, in competing for or in executing the Contract, then the Employer may, after giving 14 days’ notice to the Contractor, terminate the Contractor's employment under the Contract and expel him from the Site, and the provisions of relevant Clause shall apply as if such expulsion had been made.

G. Should any employee of the Contractor be determined to have engaged in corrupt, fraudulent, collusive, coercive, or obstructive practice during the execution of the Works, then that employee shall be removed in accordance with relevant Clause.

For the purposes of this Sub-Clause:

- i. “corrupt practice” is the offering, giving, receiving to soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;
- ii. “another party” refers to a public official acting in relation to the procurement process or contract execution. In this context, “public official” includes Financier staff and employees of other organizations taking or reviewing procurement decisions.

- iii. “fraudulent practice” is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
- iv. “collusive practice” is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;
- v. “coercive practice” is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
- vi. “obstructive practice” is deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede the Financier investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or
- vii. acts intended to materially impede the exercise of the Financier’s inspection and audit rights provided .
- viii. “party” refers to a public official; the terms “benefit” and “obligation” relate to the procurement process or contract execution; and the “act or omission” is intended to influence the procurement process or contract execution.
- ix. “parties” refers to participants in the procurement process (including public officials) attempting to establish bid prices at artificial, noncompetitive levels.
- x. a “party” refers to a participant in the procurement process or contract execution.

SECTION 12

LIST OF APPROVED BANKS

LIST OF APPROVED BANKS

1. The following Banks with their branches in Brihanmumbai and upto Virar and Kalyan have been approved only for the purpose of accepting Banker's Guarantee from 1997-98 onwards until further instructions.
2. The Bankers Guarantee issued by branches of approved Banks beyond Kalyan and Virar can be accepted only if the said Banker's Guarantee is countersigned by the Manager of a Branch of the same Bank, within the Mumbai City Limit categorically endorsing thereon that said bankers Guarantee is binding on the endorsing Branch of the Bank with Mumbai limits and is liable to be on forced against the said branch of the Bank in case of default by the contractor/ supplier furnishing the Bankers Guarantee.

List of the Approved Banks

(A) S.B.I. and its subsidiary Banks:

- (1) — State Bank of India
- (2) — ~~State Bank of Bikaner & Jaipur~~
- (3) — ~~State Bank of Hyderabad~~
- (4) — ~~State Bank of Mysore~~
- (5) — ~~State Bank of Patiala~~
- (6) — ~~State Bank of Saurashtra~~
- (7) — ~~State Bank of Travankore~~

(B) Nationalised Banks:

- (8) Allahabad Bank
- (9) Andhra Bank
- (10) Bank of Baroda
- (11) Bank of India
- (12) Bank of Maharashtra
- (13) Central Bank of India
- (14) Dena Bank Indian
- (15) Indian Bank
- (16) Overseas Bank
- (17) Oriental Bank of Commerce
- (18) Punjab National Bank
- (19) Punjab & Sind Bank
- (20) Syndicate Bank
- (21) Union Bank of India
- (22) United Bank of India
- (23) UCO Bank
- (24) Vijaya Bank
- (25) Corporation Bank

(C) Scheduled Commercial Banks:

- (26) Bank of Madura Ltd.

- (27) Bank of Rajasthan Ltd.
- (28) Banaras State Bank Ltd.
- (29) Bharat Overseas Bank Ltd.
- (30) Catholic Syrian Bank Ltd.
- (31) City Union Bank Ltd.
- (32) Development Credit Bank
- (33) Dhanalakshmi Bank Ltd.
- (34) Federal Bank Ltd.
- (35) Indus Ind. Bank Ltd.
- (36) I.C.I.C.I. Banking Corporation Ltd.
- (37) Global Trust Bank Ltd.
- (38) Jammu and Kashmir Bank Ltd.
- (39) Karnataka Bank Ltd.
- (40) Karur Vysya Bank Ltd.
- (41) Lakshmi Vilas Bank Ltd.
- (42) Nadungadi Bank Ltd.
- (43) Ratnakar Bank Ltd.
- (44) Sangli Bank Ltd.
- (45) South Indian Bank Ltd.
- (46) S.B.I. Commercial & Int. Bank Ltd.
- (47) Tamilnadu Mercantile Bank Ltd.
- (48) United Western Bank Ltd.
- (49) Vysya Bank Ltd.

(D) Scheduled Urban Co-op. Banks:

- ~~(50)~~——Abhyudaya Co.op.Bank Ltd.
- ~~(51)~~——Bassein Catholic Co.op. Bank Ltd.
- ~~(52)~~——Bharat Co.op. Bank Ltd.
- ~~(53)~~——Bombay Mercantile Co.op. Bank Ltd.
- ~~(54)~~——Cosmos Co.op. Bank Ltd.
- ~~(55)~~——Greater Mumbai Co.op. Bank Ltd.
- ~~(56)~~——Janata Sahakari Bank Ltd.
- ~~(57)~~——Mumbai Dist.Central Co.op. Bank Ltd.
- (58) Maharashtra State Co.op. Bank Ltd.
- (59) New India Co.op. Bank Ltd.
- (60) North Canara G.S.B.Co.op. Bank Ltd.
- (61) Rupee Co.op. Bank Ltd.
- (62) Sangli Urban Co.op. Bank Ltd.
- (63) Saraswati Co.op. Bank Ltd.
- (64) Shamrao Vithal Co.op. Bank Ltd.
- (65) Mahanagar Co-op. Bank Ltd.
- (66) Citizen Bank Ltd.
- (67) Yes Bank Ltd.

(E) Foreign Banks:

- (68) AMRO (N.Y.) Bank.
- (69) American Express Bank Ltd.
- (70) ANZ Grindlays Bank

- (71) Bank of America N.T. & SA.
- (72) Bank of Tokyo Ltd.
- (73) Bank Indosuez
- (74) Banque Nationale de Paris
- (75) Barclays Bank
- (76) City Bank N.A.
- (77) Hongkong & Shanghai Banking Corpn.
- (78) Mitsui Taiyokbe Bank Ltd.
- (79) Standard Chartered Bank Ltd.
- (80) Cho Hung Bank

In addition to the list of banks provided above for bank guarantee, following banks in the list of RBI (Reserve Bank of India) will also be allowed. RBI's list of the banks can be downloaded from **<https://rbidocs.rbi.org.in/rdocs/publications/pdfs/84656.pdf>**. From this list of RBI bank under following heads with their branches in Brihanmumbai and in Suburbs and extended suburbs upto Virar and Kalyan have been approved for Bank Guarantee:- SBI and Associates, Nationalised Banks, Other Public Sector Banks, Private Sector Bank, Foreign Banks and Urban Co Operative Banks.

However; Bank Guarantee issued by IDBI is not acceptable as per circular CA/FBK/303 Dated 17.03.2018.

SECTION 13

SPECIAL INSTRUCTIONS TO BIDDERS

SPECIAL INSTRUCTIONS TO BIDDERS

1. Before tendering, the bidder shall visit Non ATC Signal Junction and Flashing Beacons sites & satisfy himself as to the prevalent conditions. In case of doubt, the bidders may obtain the required information from Ex. Engr. (ATC)., which may not in any way influence the tender, as no claim what-so-ever shall be entertained for any alleged ignorance, after the opening of tender.
2. The Bidders are directed to go through the entire Tender document including directions/ specifications, etc. and get the clarifications, if any, before filling up of the tender. Such requests regarding clarifications, if any shall be in writing and shall reach the office of Ex. Engr. (Area Traffic control) at least 7 days prior to due date of the tender.
3. Wherever the word Quotation/ Quotationer or Tender/ Tenderer is appeared, it should be read as Bid/ Bidder.
4. The successful contractor will have to pay the legal & stationery charges as per the prevailing norms of BMC at the time of contract execution.
5. Time is the essence of the contract and hence the successful bidder should utilize all his best resources to complete the work within stipulated time period.
6. The Tender is on percentage basis & all the items covered under USOR uploaded on the BMC portal are part of bill of quantity. BMC reserves right to order for procurement of any item covered to any extent i.e. in the quantities, as per site conditions/ requirements prevailing at the time of execution of work and as per the requirements and/ or recommendations of Traffic Police. Before starting the work contractor shall consult the Site Engineer and shall take actual measurements on the site for procurement of material.
7. The Bidder shall procure all material required for the work of approved make with valid BIS/ IS/ EN/ relevant standards and as per BMC Requirements/ specifications wherever applicable. The Bidder shall produce on demand such details as called by the Engineer to prove the genuineness of the material. Non-approved material shall not be brought on site. Rejected materials must be replaced by the contractors within 24 Hours.
8. All material required for the work can be stacked near the site of work in such manner so as not to cause any inconvenience to the pedestrian and vehicular traffic. If no space is available on site then bidder shall make his own arrangement for stacking of material etc. No extra payment will be made on this account. The entire work shall be done without causing any disturbance to nearby residents/ land users & pedestrians.
9. The contract period is **24 Months** (Inclusive of monsoon). The contract period is inclusive of period required for mobilization, procurement of material, traffic permission, other

- required permission etc. complete and shall be reckoned from the date mentioned in the work order.
10. Program of Work: The detail programme of the works will have to be made available from time to time in the office of Ex. Engineer (Area Traffic Control). If at any stage the previously approved programme is required to be modified, the bidder shall do so, immediately as directed by the Engineer. In case of necessary to modify/ alter the work programme, as directed, the bidder shall do so without claiming any extra payment. The programme shall be reviewed periodically and rescheduled as directed.
 11. The bidder shall submit the schedule showing all the activities logically within the contract period in a mutually accepted manner & shall have to be made available from time to time in the office of Ex. Engineer (Area Traffic Control).
 12. Bidder shall have to obtain all the permission of the concerned authorities/other agencies required for carrying out the work on their own. Only recommendatory letters will be issued by BMC.
 13. The contractors will have to obtain permission from the Traffic Police Dept. well in advance either for closing down the road or for diversion of traffic for execution of the work. The work may be required to be executed in phases as per Traffic Police permission. The contractors should therefore take this factor into account while quoting.
 14. The excavation permission for cable fault rectification works and other related maintenance works from the respective ward offices/ Road dept./ P.W.D./ M.S.R.D.C./ M.M.R.D.A./ Traffic Police etc. will be arranged by the successful Bidder, however, expediting the all excavated portion will have to be refilled & temporarily reinstated as per BMC trenching policy guidelines by the signal Contractor. Surplus excavated earth from work site shall be removed within 24 hours as per the BMC guidelines in this regard from the site. No extra payment for carrying the material by head load to work site, shall be considered under any circumstances.
 15. All the excavated material belongs to the Brihanmumbai Municipal Corporation and therefore shall be the property of Brihanmumbai Municipal Corporation. It is the responsibility of the contractor to dump the surplus excavated material at their own cost. No transportation charges or any other charges will be paid to the contractor. The rate of excavation is deemed to include the cost of transportation and disposal of surplus excavated material.

16. The successful Bidder(s) shall provide various boards at site to have smooth traffic as per the requirement of Traffic Police Department and shall have proper co-ordination with Ward staff & Traffic Police Department.
17. All retrofit including SMPS shall be supplied of OEM make only. If any discrepancies found then penal action will be taken.
18. The contractor shall submit the updated signal junction drawings including junction diagram and phase plan, junction civil drawing and electrical drawing as per instruction of Engineer.
19. The contractor will have to carry out the work either during daytime and/ or night time as the permissibility from traffic operation point of view. No extra payment to that effect will be made.
20. The whole work shall be finished in workman like manner and to the entire satisfaction of the Engineer in charge. The entire work shall be in accordance with the latest modern practice and shall present a neat appearance when completed from aesthetic point of view.
21. The contractor will have to take care to restrict the noise level within the permissible limits and shall employ only such equipments on site which will not make noise and cause vibrations. The relevant noise level specifications to work in different areas shall be strictly adhered. The noise level in the vicinity of residential & public places shall be below 70 db.
22. Compliances of Rules: All works shall be carried out in accordance with the latest rules under the Indian Electricity Act, 1910 as applicable. The contractor shall comply strictly to Indian Standards Institution Code (IS 732-1950) of practice for Electrical wiring and fittings in Buildings. Installation shall comply with all the laws and regulations in effect with the regulations of the competent authorities and the requirement of the Government and the Electric Supply Company's.
23. The specifications included in the tender follow corresponding standards of IRC & BMC. In case of any contradiction in specification, the decision of Engineer will be final and binding.
24. All General conditions for different works i.e. electrical, mechanical, civil etc., as stipulated by the BMC from time to time, as amended upto date shall be applicable to the contract.
25. The contractors shall comply with inter utility organizations and code of conduct for road excavations wherever such applies to the conduct of this contract.

26. Contract Labour (Regulation and Abolition act 1970): The Bidder should specifically note that the successful Bidder shall have to strictly comply with all the statutory requirements under the provision of the Contract Labour (Regulation and Abolition) Act, 1970 and with the Maharashtra State Contract Labour (Regulation and Abolition) Rules 1971 and indemnify the Corporation against any claim(s) whatsoever.
27. Bidders are requested to take cognizance of child Labour Act and take precaution not to deploy child Labourers on site. If Child Labourer is found to be deployed on the work, necessary action as deemed fit will be taken.
28. The contractors shall adhere/ abide themselves by the provision of the minimum wages act/ Workman compensation Act and such other statutory obligations notified by the concerned Government departments from time to time. They shall also indemnify the BMC from any claims whatsoever arising there from and shall be solely responsible for consequences thereof.
29. Bidder shall be registered under the GST act 2017 on the transfer of property in goods involved in the execution of works contracts (Re-enacted) Act 1989 and should produce documentary evidence to that effect (a copy of registration of certificate from the GST department) along with tender.
30. BMC reserves right to cancel the individual works at any stage and Bidders will not be entitled to any compensation/ claims whatsoever on account of such cancellation.
31. BMC is not bound to accept the lowest or any Tender and reserve the right to relax any of the stipulated conditions and reject any or all Tenders, without assigning any reason.
32. Previous bad / good records of Bidders as well as their previous experience in major cities in India shall be considered while evaluating the tender.
33. In case a Bidder is lowest in all the three Tenders for maintenance contracts of Island City, Western Suburb & Eastern Suburb, then the successful Bidder will be awarded only two contracts which are beneficial to B.M.C.
34. Rate analysis indicating the justifiability of the rates quoted by the Bidder for satisfactory execution and completion of the work, shall be submitted by the Bidder as and when directed.
35. The rates quoted shall be firm and inclusive of delivery of materials at site and/ or transportation of damaged/ retrieved materials.
36. Bidder should specifically state their official addresses along with the telephone and mobile number. The contractor or their partners and authorized representative shall be available on a given telephone number during any hours of the day.

37. Complaint Lodging Mechanism: Successful bidder shall provide their e-mail id & telephone number where complaint for non working of Signal can be lodged. The resolution time for making the same functional to be considered from date and time of instruction from the engineer.
38. Firms with common proprietors/ partner or connected with one another either financially or as Principal agent or as master and servant or with Proprietor/ Partners closely related to each other such as husband/ wife/ father/ mother and minor son/ daughter and brother/ sister and minor brother/ sister shall not tender separately under the different names for the same contract.
39. If it is found that firms as described in the direction vide Clauses 38 above, have tendered separately under different names for the same contract, all such tender shall stand rejected and Bidder(s) deposit shall be forfeited. Any contract entered into under such conditions will also be liable to be cancelled at any time during its currency and penal action including blacklisting of such firms will be taken.
40. All the details regarding the staff proposed shall be approved and if any change in that regard shall be immediately intimated to the office. Name and Bio-data of the technically qualified personnel employed to supervise the work should be intimated to the office before starting of the work.
41. The work will be treated as completed only after cleaning the site in all respect after completion of the work and to the satisfaction of the Engineer.
42. Installation and removal of housing from straight portion (base) of the cantilever pole will be considered as installation and removal of housing on straight pole.
43. In case of shifting, the work of removal of signal pole includes removal of Pole with all relevant accessories and re-installation of signal pole includes installation of pole with all relevant accessories.
44. The overall liability including damages & penalty is limited to the amount not exceeding more than 10% of the Contract Value. If the penalty exceeds 10% of Contract Value, the Contractor will be debarred from further works of B.M.C.
45. The items supplied and installed under the maintenance contract should be guaranteed for 1 year/as specified in specification whichever is more, for satisfactory performance during the entire contract period except for consumable fuses etc. However, the guarantee obligation is limited to defects during normal course of operation and damage / defects due to accidents, thefts, vandalism, mob fury, and other force majors conditions are not covered under guarantee.

46. The successful bidder will have to make their own arrangements for Laptop with relevant software programme at their own cost, wherever necessary.
47. The successful bidder shall make use of the removed/ retrieved reusable signal materials, wherever possible, under the maintenance contract and 1% rebate shall be deducted from the quoted cost of the particular material supply as a salvage cost for the scrap material. The scrap material will be the property of the contractor.
48. The signal maintenance contractor shall endeavour in expediting various matters in respect of power supply of road traffic signals with the power supply companies viz. BEST, Adani Electricity Mumbai Ltd. and MSEDCL including restoration of power supply
49. When installation of a new Road Traffic Signal is carried out by existing maintenance contractor as a special case, the contractor shall apply for electric supply in the name of Executive Engineer (Area Traffic Control) and shall make payment for new connection charges., however the Monthly Electric energy charges will be borne by B.M.C.
50. The Contractor is required to maintain the minimum stock level of each material required for maintenance. However this material should be readily available with the Contractor. If any damage occurred, the Contractor should replace the same within resolution period, else penalty will be imposed as per Penalty Clause.
51. The Contractor shall provide necessary cut-outs and G.I. pipes, earthing and submit the electrical "TEST REPORT" as and when required by BEST, Adani Electricity Mumbai Limited, or MSEDCL, as the case may be, in the course of maintenance.
52. It will not be binding on B.M.C./ Traffic Police Dept. to provide any space/ set up to the signal companies for enabling them to operate for maintenance work.
53. The bidder shall bear the expenses towards the testing of material as specified in the tender at any of the test laboratory/manufacturers works recommended by B.M.C. The order will be revoked in case it fails in Tests as per tender specifications.
54. The Successful bidder shall furnish material test certificates on demand.
55. The contractor shall appoint dedicated person for liaisoning with various infrastructural agencies, Power supply companies (for collecting monthly energy bills and depositing cheque) etc.
56. Maintenance team shall be available from on all weekdays including public holidays from 9:00 am to 7:00 pm and may be extended as per the instruction of the engineer
57. The contractor has to carryout ELI testing at all signal junctions (at pole and controllers) once in a year or as and when instructed by Engineer and submit the report to BMC.

58. If it is observed that the contractors carrying out the work fail to comply with the instructions given by the higher Authorities at A.M.C./ M.C. level during execution of work twice, the work will be terminated and will be carried out at the risk and cost of the contractor and penal action will be taken against them. This decision will not be arbitrable at all.
59. The bidder should have a dedicated team of qualified personnel to service and maintain these Non ATC signals and Flashing Beacons. They should have the necessary infrastructural facilities including maintenance office situated in Brihanmumbai region along with telephone facility.
60. Contractor shall provide contract wise monthly stock statement to the engineer. If report not submitted, penalty of Rs.5,000/- per month will be applicable. Contractor has to make transportation arrangement for the stock inspection as and when instructed by the engineer.
61. The B.M.C. in this contract is the Employer and Executive Engineer (ATC) is the Engineer for this contract. The Engineer or his representative will strictly supervise the work at all levels and hence witness tests at all levels. The contractor shall submit the all test certificates and shall observe strict adherence to the given standards unless, otherwise specified in writing by competent authority is expected. Any deviation from the given standards will not be tolerated.
62. Penalty of Rs.5,000/-per day will be imposed for any change in appointed staff without prior intimation to the Engineer In-charge
63. The Signal maintenance work should not be hampered in any circumstances, due to non availability of vehicle and maintenance staff.
64. Departure from Specifications: Should the bidder wish to depart from the provisions of the specifications or general conditions of contract, he shall clearly mention them giving his reasons thereof. Unless this is done, the equipment offered and work executed shall be deemed to comply in every respect with the terms and conditions of the specifications without claiming any extra charges whatsoever.
65. If a particular maintenance work of Signal system is delayed inordinately, the same work will be got executed from some another agency at the risk & cost of the regular maintenance agency.
66. Count Down timer (CDT) for Traffic Signal can be utilised of M/s. OSHO Automation Pvt. Ltd. make other than the preferred make mentioned in USOR.

67. The payment of the bills and other claims arising out of the contract will be made in the name of Bidder's Bank by Cheque/ E.C.S./ R.T.G.S. Successful bidder therefore will have to furnish information as regards the name and complete address of his bank, its branch and the bank A/c no & E.C.S. No. etc. along with tender document. They will have also to submit updated information when there is any change in this regard.
68. The bidder should furnish the following information: - The bidder shall furnish all the details about the subcontractors employed for different activities for this contract. The personnel and subcontractors proposed for this contract shall be approved by the Engineer.
69. The bidder shall follow applicable standards for executing the works of signals.
70. The Contractor is required to maintain all signal junctions and flashing Beacons in good working condition throughout the Contract period.
71. The contractor is required to clean all the chambers and ducts as and when instructed by the engineer.
72. The Contractor shall provide separate Maintenance team during Monsoon period in the night shift and as & when instructed by an Engineer
73. The new traffic signal installation work to be carried out as per the priority of traffic police or instruction of Engineer In-charge.
74. The Defect Liability Period for the newly installed signal junction will be 12 months from the date of commissioning of the signal system. During this DLP, monthly cleaning along with preventive & corrective maintenance of signal systems shall be carried out.
75. The contractor shall hand over the new installed signal junction in working condition to BMC after completion of DLP.
76. Shifting/ Relocating work of Traffic Signal utilities shall be carried out while various on-going infrastructure works at the new installed signal junction if any during DLP.
77. The colour photographs shall be attached while submitting the damage assessment report by the contractor and also submit the colour photograph during and after completion of damage work. All photographs shall have date and time stamp and latitude & longitude marked.
78. The bidder should submit the Certificates of Registration under Employees Provident Fund and Miscellaneous Provision Act, 1952 (E.P.F. & M.P. Act,1952) if 20 or more workers/ persons employed on Bidder's Establishment. If less than 20 workers/ persons are employed on Bidder's Establishment, then the tenderer should submit undertaking in that regard on Rs. 500/- Stamp Paper.

79. The barricading shall be provided free of cost as per circular vide u/no.-MGC/F/6342 Dated 05/05/2018 and as per annexure I,II and III of standard drawing and specifications with with slogans and department wise colour codes. The copy of circulars is available on B.M.C. portal website.
80. The tenderer should submit the Certificate of Registration under E.S.I.C. Act, 1948 in case:
- i. 10 or more workers/ persons employed and manufacturing process is carried out with power in any part or
 - ii. 20 or more workers/ persons employed and manufacturing process is carried out without power.

The Bidder's establishment under Sr. No. i & having less than 10 workers/ persons or the establishment under Sr. No. ii & having less than 20 workers/ persons, then the tenderer should submit undertaking in that regard on Rs. 500/- Stamp Paper.

SECTION 14

APPENDIX & PROFORMAS

FORM OF TENDER

To,
The Municipal Commissioner for Brihanmumbai
Sir,

I/ We have read and examined the following documents relating to the work of

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-
-
- i. Notice inviting tender.
 - ii. Directions to tenderers (General and special)
 - iii. General condition of contract for Civil Works of the Brihanmumbai Municipal Corporation as amended up to date.
 - iv. Relevant drawings
 - v. Specifications.
 - vi. Special directions
 - vii. Annexure A and B.
 - viii. Bill of Quantities and Rates.

1A. I/ We _____
(full name in capital letters, starting with surname), the Proprietor/ Managing Partner/ Managing Director/ Holder of the Business, for the establishment/ firm/ registered company, named herein below, do hereby offer to
.....
.....
.....

Referred to in the specifications and schedule to the accompanying form of contract of the rates entered in the schedule of rates sent herewith and signed by me/ us” (strike out the portions which are not applicable).

1B. I/ We do hereby state and declare that I/We, whose names are given herein below in details with the addresses, have not filled in this tender under any other name or under the name of any other establishment/ firm or otherwise, nor are we in any way related or concerned with the establishment/ firm or any other person, who have filled in the tender for the aforesaid work.”

2. I/ We hereby tender for the execution of the works referred to in the aforesaid documents, upon the terms and conditions, contained or referred to therein and in accordance with the specifications designs, drawings and other relevant details in all respects.

* At the rates entered in the aforesaid Bill of Quantities and Rates.

3. According to your requirements for payment of Earnest Money amounting to Rs. _____ /- (Rs. _____)

I/ We have deposited the amount through online payment gateways with the C.E. of the Corporation not to bear interest

4. I/ We hereby request you not to enter into a contract with any other person/s for the execution of the works until notice of non/acceptance of this tender has first been communicated to me/ us, and in consideration of yours agreeing to refrain from so doing I/ We agree not to withdraw the offer constituted by this tender before the date of communication to me/us of such notice of non/acceptance, which date shall be not later than ten days from the date of the decision of the Standing Committee or Education Committee of the Corporation, as maybe required under the Mumbai Municipal Corporation Act, not to accept this tender. (Subject to condition 5 below).
5. I/ We also agree to keep this tender open for acceptance for a period of 180 days from the date fixed for opening the same and not to make any modifications in its terms and conditions which are not acceptable to the Corporation.
6. I/We agree that the Corporation shall, without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely, if.
- a. I/ We fail to keep the tender open as aforesaid.
 - b. I/ We fail to execute the formal contract or make the contract deposit when called upon to do so.
 - c. I/ We do not commence the work on or before the date specified by the Engineer in his work order.
7. I/ We hereby further agree to pay all the charges of whatsoever nature in connection with the preparation, stamping and execution of the said contract.
8. I/ We further agree that, I/ we shall register ourselves as 'Employer' with the Bombay Iron and Steel Labour Board' and fulfill all the obligatory provisions of Maharashtra Mathadi, Hamal and other Manual workers (Regulation of Employment and Welfare) Act 1969 and the Bombay Iron and Steel unprotected workers Scheme 1970.
9. "I/ We..... have failed in the accompanying tender with full knowledge of liabilities and, therefore, we will not raise any objection or dispute in any manner relating to any action, including forfeiture of deposit and blacklisting, for giving any information, which is found to be incorrect and against the instructions and directions given in this tender.

10. “I/ We further agree and undertake that in the event it is revealed subsequently after the allotment of work/contract to me/us, that any information given by me/ us in this tender is false or incorrect, I/We shall compensate the Brihanmumbai Municipal Corporation for any such losses or inconvenience caused to the Corporation in any manner and will not resist any claim for such compensation on any ground whatsoever. I/ We agree and undertake that I/ We shall not claim in such case any amount by way of damages or compensation for cancellation of the contract given to me/us or any work assigned to me/ us or is with-drawn by the Corporation,”

Address

.....
.....

Yours faithfully,

Digital Signature of the
Tenderer or the Firm

1.....
2.....
3.....
4.....
5.....

Full Name and private residential address of
all the partners constituting the Firm

A/c No.

.....

- | | | |
|----|-------|-----------------|
| 1. | | Name of Bank |
| 2. | | |
| 3. | | Name of Branch |
| 4. | | |
| 5. | | Vender No. |

AGREEMENT FORM

Tender No. dated

Standing Committee Resolution No. dated

CONTRACT FOR THE WORK of
.....
.....

This agreement made this day of Two thousand
..... Between

.. inhabitants of Mumbai, carrying on business at

in Mumbai under the style and name of

..... (Hereinafter called “the contractor of
the one part and **Shri**

the Director (E.S.&P.)/ D.M.C. (Infrastructure) (hereinafter called “the commissioner” in
which expression are included unless the inclusion is inconsistent with the context, or mean-
ing thereof, his successor or successors for the time being holding the office of Director
(E.S.&P.)/ D.M.C. (Infrastructure) of the second part and the Brihanmumbai Municipal Cor-
poration (hereinafter called “the Corporation”) of the third part, WHEREAS the contractor
has tendered for the construction, completion and maintenance of the works described above
and his tender has been accepted by the Commissioner (with the approval of the Standing
Committee/ Education Committee of the Corporation

NOW THIS AGREEMENT WITNESSETH as follows:-

- 1) In this agreement words and expressions shall have the same meanings as are respectively
assigned to them in the General Conditions of Contract for works hereinafter referred to:-
- 2) The following documents shall be deemed to form and be read and constructed as a part of
this agreement viz.
 - a) The letter of Acceptance
 - b) The Bid:
 - c) Addendum to Bid; if any
 - d) Tender Document

- e) The Bill of Quantities:
 - f) The Specification:
 - g) Detailed Engineering Drawings
 - h) Standard General Conditions of Contracts (GCC)
 - I) All correspondence documents between bidder and B.M.C.
- 3) In consideration of the payments to be made by the Commissioner to the contractor as hereinafter mentioned the contractor hereby covenants with the Commissioner to construct, complete and maintain the works in conformity in all respects with the provision of the contract.
- 4) The Commissioner hereby covenants to pay to the Contractor in consideration of the construction, completion and maintenance of the works the contract sum, at times and in the manner prescribed by the contract.

IN WITNESS WHERE OF the parties hereto have caused their respective common seals to be herein to affixed (or have hereunto set their respective hands and seals) the day and year above written.

Signed with designation stamp of the
Contractor, sealed & delivered by the
Contractor/s

Trading under the name & style of

.....
.....
.....
.....

In presence of Witness:

Witness No. 1: Name & Address

Name -

Resi. Address

.....

Signature of Witness No. 1

Witness No. 2: Name & Address

Name -

Resi. Address

.....

Signature of Witness No. 2

Signed by the Dy. Municipal Commissioner,
The Director (E.S. & P.)/ D.M.C.
(Infrastructure) in the presence of

1.
2.

Director (E.S. & P.)/ D.M.C. (Infrastructure)

Name and Signature of Concern Dy. Ch. Engr.
& Ch. Engr. (HOD) with Designation Stamp

Dy. Ch. Engr.
(Traffic)

Chief Engineer
(Roads & Traffic)

Shri.....
.....

Shri.....
.....

The Common Seal of the Brihanmumbai
Municipal Corporation was affixed on the
..... Day of 20..... in the
presence of

1.
2.

Two members of the Standing Committee of
the Brihanmumbai Municipal Corporation.

Witness:

(Shri/Smt.)

Office Superintendent,

Municipal Secretary's Office

ANNEXURE - A

1. The Engineer for this works : Ex. Eng. (ATC)
2. The Estimated Cost of the work: Rs.6,73,05,399/-

Sr No	Description of work	Total Amount Rs.
1	Civil Work	
2	Electrical Work	
3	Total Amount	

1. Earnest Money Deposit: Rs.6,73,100/-
2. Time Period- 24 Months inclusive of monsoon.
3. Percentage to be charged as supervision charges for the work got executed through other means 3.125 percent.
4. The “Actual cost of the work” shall mean in the case of percentage rate contracts the actual cost of the work executed at the rates as mentioned in the Contract Schedule adjusted by the Contractor's percentage rate and cost of extra and excess, but excluding the cost on account of Water Charges and Sewerage Charges if any, payable by the contractor and also excluding cost on account of price variation claims as provided in price variation clause as amended up to date.
5. In case of item rate contracts the actual cost calculated for the work executed at the rates mentioned in the contract schedule for different items including cost of excess and extra items of the work excluding the cost of water charges and sewerage charges if any, payable by the contractor and excluding cost on account of price variation claims as provided in extra excess conditions as amended up to date.
6. In case of lump sum contract the cost of the work actually carried out as per break up and programme of the work and the schedule of payment included in the contract including cost of any excess and/or extra items, of the work, excluding the cost on account of water charges and sewerage charges and also excluding cost on account of price variation claims as provided in extra excess conditions as amended up to date.

ANNEXURE- B

PRE-CONTRACT INTEGRITY PACT

The Bidder commits himself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of his bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commits himself to the following:-

1. The Bidder will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favor, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the B.M.C., connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the Contract.
2. The Bidder further undertakes that he has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the B.M.C. or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the Contract or any other Contract with the Government for showing or forbearing to show favour or disfavour to any person in relation to the Contract or any other Contract with the Government.
3. The Bidder will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.
4. The Bidder will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
5. The Bidder, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the B.M.C. or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.
6. The Bidder shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the B.M.C. as part of the business relationship, regarding plans, technical proposals and business details, including information contained in

any electronic data carrier. The Bidder also undertakes to exercise due and adequate care lest any such information is divulged.

7. The Bidder commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.
8. The Bidder shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.
9. The Bidder and their respective officers, employees, agents and advisers shall observe the highest standard of ethics during the Bidding Process. Notwithstanding anything to the contrary contained herein, the Authority may reject a Bid without being liable in any manner whatsoever to the Bidder if it determines that the Bidder has, directly or indirectly or through an agent, engaged in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice in the Bidding Process.

For the purposes of this Clause 9, the following terms shall have the meaning herein after respectively assigned to them:

- i. “fraudulent practice” means a misrepresentation or omission of facts or suppression of facts or disclosure of incomplete facts, in order to influence the Bidding Process ;
- ii. “coercive practice” means impairing or harming or threatening to impair or harm, directly or indirectly, any person or property to influence any persons participation or action in the Bidding Process;
- iii. “undesirable practice” means (i) establishing contact with any person connected with or employed or engaged by the Authority with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the Bidding Process; or (ii) having a Conflict of Interest;
- iv. “restrictive practice” means forming a cartel or arriving at any understanding or arrangement among Bidders with the objective of restricting or manipulating a full and fair competition in the Bidding Process.

Signature of Tenderer/ Bidder

ANNEXURE- C

DECLARATION CUM INDEMNITY BOND

I, _____ of _____, do hereby declared and undertake as under.

1. I declare that I have submitted certificates as required to Executive engineer (Monitoring) at the time of registration of my firm/ company _____ and there is no change in the contents of the certificates that are submitted at the time of registration.
2. I declare that I _____ in capacity as Manager/ Director/ Partners/ Proprietors of _____ has not been charged with any prohibitory and/ or penal action such as banning(for specific time or permanent)/ de-registration or any other action under the law by any Government and/or Semi Government and/ or Government undertaking.
3. I declare that I have perused and examined the tender document including addendum, condition of contract, specifications, drawings, bill of quantity etc. forming part of tender and accordingly, I submit my offer to execute the work as per tender documents at the rates quoted by me in capacity as _____ of _____.
4. I further declare that if I am allotted the work and I failed to carry out the allotted work in accordance with the terms and conditions and within the time prescribed and specified, B.M.C. is entitled to carry out the work allotted to me by any other means at my risk and cost, at any stage of the contract.
5. I also declare that I will not claim any charge/ damages/ compensation for non availability of site for the contract work at any time.
6. I declare that I will positively make the arrangements of the required equipment on the day of commencement or with respect to the progress of the work in phases, as per the instructions of site in charge

Signature of Tenderer/ Bidder

BANKERS GURANTEE IN LIEU OF CONTRACT DEPOSIT

THIS INDENTURE made this _____ day of _____ BETWEEN

THE _____ BANK incorporated under the English/Indian Companies Acts and carrying on business in Mumbai (hereinafter referred to as 'the bank' which expression shall be deemed to include its successors and assigns) of the first part _____
_ inhabitants carrying on business at _____ in Mumbai under the style and name of Messer's _____ (hereinafter referred to as 'the contractor') of the second part Shri. _____

THE MUNICIPAL COMMISSIONER FOR BRIHANMUMBAI (hereinafter referred to as 'the commissioner' which expression shall be deemed, also to include his successor or successors for the time being in the said office of Municipal Commissioner) of the third part and THE BRIHANMUMBAI MUNICIPAL CORPORATION (hereinafter referred to as 'the Corporation') of the fourth part WHEREAS the contractor have submitted to the Commissioner tender for the execution of the work of " _____

_____ and the terms of such tender/ contract require that the contractor shall deposit with the Commissioner as/ contract deposit/ earnest money and/ or the security a sum of Rs. _____ (Rupees _____) AND WHEREAS if and when any such tender is accepted by the Commissioner, the contract to be entered into in furtherance thereof by the contractor will provide that such deposit shall remain with and be appropriated by the Commissioner towards the Security -deposit to be taken under the contract and be redeemable by the contractor, if they shall duly and faithfully carry out the terms and provisions of such contract and shall duly satisfy all claims properly chargeable against them there under AND WHEREAS the contractor are constituents of the Bank and in order to facilitate the keeping of the accounts of the contractor, the Bank with the consent and concurrence of the contractor has requested the Commissioner to accept the undertaking of the Bank hereinafter contained, in place of the contractors depositing with the Commissioner the said sum as earnest money and/ or security as aforesaid AND WHEREAS accordingly the Commissioner has agreed to accept such undertaking NOW THIS AGRREMENT WITNESSES that in consideration of the premises, the Bank at the request of the contractor (hereby testified) UNDERTAKES WITH the commissioner to pay to the commissioner upon demand in writing, whenever required by

him, from time to time, so to do, a sum not exceeding in the whole Rs. _____
(Rupees _____) under the terms of the said tender and/ or the contract. The
B.G. Is valid upto _____”Notwithstanding anything what has been stated above, our
liability under the above guarantee is restricted to Rs. _____ only and guarantee shall
remain in force upto _____ unless the demand or claim under this guarantee is made
on us in writing on or before _____ all your right under the above guarantee shall be
forfeited and we shall be released from all liabilities under the guarantee thereafter”

IN WITNESS WHEREOF

WITNESS(1) _____

Name and _____

address _____

WITNESS(2) _____

Name and _____ the duly constituted Attorney Manager

address _____

the Bank and the said Messer’s _____

_____ (Name of the Bank)

WITNESS(1) _____

Name and _____

address _____

WITNESS(2) _____

Name and _____

For Messer’s _____

address _____

have here into set their respective hands the day and year first above written.

**The amount shall be inserted by the Guarantor, representing the Contract Deposit in
Indian Rupees.**

ANNEXURE -E

Irrevocable Undertaking

I Shri./ Smt. aged, years Indian Inhabitant.
Proprietor/ Partner/ Director of M/s. resident at
.....
..... do hereby give Irrevocable undertaking as
under;

- 1) I say & undertake that as specified in section 171 of CGST Act, 2017, any reduction in rate of tax on supply of goods or services or the benefit of input tax credit shall be mandatorily passed on to B.M.C. by way of commensurate reduction in prices.
- 2) I further say and undertake that I understand that in case the same is not passed on and is discovered at any later stage, B.M.C. shall be at liberty to initiate legal action against me for its recovery including, but not limited to, an appeal to the screening Committee of the GST Counsel.
- 3) I say that above said irrevocable undertaking is binding upon me/ my partners/ company/ other Directors of the company and also upon my/ our legal heirs, assignee, Executor, administrator etc.
- 4) If I fail to compliance with the provision of the GST Act, I shall be liable for penalty/ punishment or both as per the provisions of GST Act.

Whatever has been stated here in above is true & correct to my/ our own knowledge & belief.

Solemnly affirmed at

DEPONENT

This day of

BEFORE ME

Interpreted Explained and Identified by me.

ANNEXURE F

GRIEVANCE REDRESSAL MECHANISM

BMC has formed a Grievance Redressal Mechanism for redressal of bidder's grievances. Any Bidder or prospective Bidder aggrieved by any decision, action or omission of the [rocuring entity being contrary to the provisions of the tender or any rules or guidelines issued therein, in Packet 'A', 'B', & 'C' can make an application for review of decision of responsiveness in Packet 'A', 'B', & 'C' within a period of 7 days or any such other period, as may be specified in the Bid document.

While making such an application to procuring entity for review, aggrieved bidders or prospective bidders shall clearly specify the ground or grounds in respect of which he feels aggrieved.

Provided that after declaration of a bidder as a successful in Packet 'A' (General Requirements), an application for review may be filed only by a bidder who has participated in procurement proceedings and after declaration of successful bidder in Packet 'B' (Technical Bid), an application for review may be filed only by successful bidders of Packet 'A'. Provided further that, an application for review of the financial bid can be submitted, by the bidder whose technical bid is found to be acceptable/responsive.

Upon receipt of such application for review, BMC may decide whether the bid process is required to be suspended pending disposal of such review. The BMC after examining the application and the documents available to him, give such reliefs, as may be considered appropriate and communicate its decision to the Applicant and if required to other bidders or prospective bidders, as the case may be.

BMC shall deal and dispose off such application as expeditiously as possible and in any case within 10 days from the date of receipt of such application or such other period as may be specifies in pre-qualification document, bidder registration or bid documents, as the case may be.

Where BMC fails to dispose off the application within the specifies period or if the bidder or prospective bidder feels aggrieved by the decision of the procuring entity, such bidder or prospective bidder may file an application for redressal before the "Internal Procurement Redressal Committee" within 7 days of the expiry of the allowed time or of the date of receipt of the decision, as the case may be. Every such application for internal redressal before Redressal Committee shall be accompanied by fee of Rs. 25,000/- and fee shall be paid in the form of D.D. in favour of B.M.C.

1st Appeal by the bidder against the decision of C.E./HOD/Dean can be made to concerned DMC/ Director who should decide appeal in 7 days.

If not satisfied, 2nd Appeal by the bidder can be made to concerned A.M.C. for decision.

Grievance Redressal Committee (GRC) is headed by concerned D.M.C./Director of particular department for the first appeal/ grievances by the bidder against the decision for responsiveness/ non-responsiveness in Packet 'A', Packet 'B', or Packet 'C' and if not satisfies, concerned A.M.C. will take decision as per second appeal made by the bidder.

This Grievance Redressal Committee (GRC) will be operated through DMC (CPD) office where appeals of aggrieved bidder will be received with fee of Rs. 25,000/- from aggrieved bidder. The necessary correspondence in respect of said applications to the aggrieved bidder & concerned department, issuing notices, arranging of Grievance Redressal Committee (GRC) with D.M.C. and further proceeding will be carried out through registrar appointed by BMC.

No application shall be maintainable before the redressal Committee in regard of any decision of the BMC relating to following issues:

Determination of needs of procurement

The decision of whether or not to enter into negotiations.

Cancellation of a procurement process for certain reasons.

On receipt of recommendation of the Committee. It will be communicated his decision thereon to the Applicant within 10 days or such further time not exceeding 20 days, as may be considered necessary from the date of receipt of the recommendation and in case of non-acceptance of any recommendation, the reason of such non-acceptance shall also be mentioned in such communication.

Additional Municipal Commissioner and/or Grievance Redressal Committee, if found, come to the conclusion that any such complaint or review is of vexatious, frivolous or malicious nature and submitted with the intention of delaying or defeating any procurement or causing loss to the procuring entity or any other bidder, then such complainant shall be punished with fine, which may extend to Five Lac rupees or two percent of the value of the procurement, whichever is higher.

Full Signature of the tenderer
with Official Seal and Address

ANNEXURE D

Rate Analysis

Item Description:					
Sr. No.	Description of Rate Analysis Parameters	Unit	Quantity	Rate	Amount
1	Basic Material (Rate should be inclusive of all taxes)				
2	Machinery Hire Charges				
3	Labour Type		(labour components)		
4	Total of all components				
5	Overhead & Proffit 15% on 4				
6	Total Rate (4+5)				
7	Per unit rate				

Sign & Seal of the Bidder/ Tenderer

PROFORMA- I

The list of similar works as stated in eligibility criteria during last Seven years—

Sr. No.	Name of the Project	Name of the employer	Stipulated date of completion	Actual date of completion	Actual Cost of work done
1	2	3	4	5	6

NOTE:

- 1) Scanned self attested copies of completion/performance certificates from the Engineer-in-Charge for each work should be annexed in the support of information furnished in the above proforma.
- 2.) Works shall be grouped financial year-wise.

Sign & Seal of the Bidder/ Tenderer

PROFORMA- II

Annual financial turnover of Works during the last three years.

Sr. No.	Financial year	Annual Turnover of Works	Updated value to current year	Average of last 3 years	Page No.
1	2020-2021				
2	2021-2022				
3	2022-2023				
4	2023-2024				
5	2024-2025				
Total					

NOTE: The above figures shall tally with the audited balance sheets uploaded by the tenderers duly certified by Chartered Accountant.

Sign & Seal of the Bidder/ Tenderer

PROFORMA- III

Details of similar works as stated in eligibility criteria during last Seven years.

Name of the Project	Name of the Employer	Cost of the Project	Date of issue of work Order	Stipulated Date of Completion	Actual Date of Completion	Actual cost of work done	Remarks explaining reasons for delay, if any
1	2	3	4	5	6	7	8

Note: Scanned self attested copies of completion/performance certificates from the Engineer-in-charge for each work should be annexed in support of information furnished in the above proforma.

Sign & Seal of the Bidder/ Tenderer

PROFORMA- IV
Details of Personnel (as per clause 6.9)

Sr. no.	Post	Name	Qualification	Experience

NOTE: Scanned self attested copies of qualification certificates and details of work experience shall be submitted /uploaded.

Sign & Seal of the Bidder/ Tenderer

PROFORMA – V

Machinery: (for special work only)

NOT APPLICABLE

PROFORMA - VI / A

Details of Existing Commitments and ongoing works –

Description of work	Place	Contract No. & Date	Name & Addresses of employer	Value of Contract in Rs.	Scheduled date of completion	Value of work remaining to be completed	Anticipated Date of completion
1	2	3	4	5	6	7	8

Note: Scanned self attested copies of completion/performance certificates from the Engineer-in-Charge for each work should be annexed in the support of information furnished in the above proforma.

Sign & Seal of the Bidder/ Tenderer

PROFORMA - VI / B

Details of works for which bids are already uploaded –

Description of work	Place	Name & Addresses of employee	Value of Contract in Rs.	Time Period	Date on which decision is expected	Remarks
1	2	3	4	5	6	7

Note: Scanned self attested copies of certificates from the Engineer-in-charge for each work shall be annexed.

Sign & Seal of the Bidder/ Tenderer

PROFORMA-VII
AFFDAVIT FOR BEST PRICE

Tender No. _____

To,
The Commissioner,
For the Brihanmumbai Municipal Corporation,

Sir,

Bid No. _____

"I/ We
..... (Full name in capital letters, starting with surname), the Proprietor/ Managing Partner/
Managing Director/ Holder of the Business/ Manufacturer/ Authorized Dealer, for the
establishment/ firm/ registered company, named herein below, do hereby, state and declare that
I/ We _____ whose names are given herein below
details with addresses have not filled in this tender under any other name or under name of any
other establishment/ firm otherwise, nor are we in any way related to concerned with any
establishment / firm or any other person, who have filled in the tender for aforesaid work".

"I/ We do hereby further undertake that, we have offered the best prices for the subject supply
work as per present market rates. **Further, we do hereby undertake and commit that we do
not offered/ supplied the subject product/ similar product/ systems or sub systems in the
past one year in the Maharashtra State for quantity variation upto -50% or +10% at a
price lower than that offered in the present bid to any other outside agencies including
Govt./ Semi Govt. agencies within B.M.C. also.** Further, we have filled in the accompanying
tender with full knowledge of the above liabilities and therefore we will not raise any objection
or dispute in any manner relating to any action including forfeiture of deposit and blacklisting
for giving any information which is found to be incorrect and against the instruction and
direction given in this behalf in this tender.

I/ We further agree and undertake that in the event, it is revealed subsequently after the
allotment of work/ contract to me/ us, that any information given by me/ us in this tender is false

or incorrect, I/ We shall compensate the Brihanmumbai Municipal Corporation for any such losses or inconvenience caused to the Corporation, in any manner and will not raise any claim for such compensation on any ground whatsoever. I/ We agree and undertake that I/We shall not claim in such case any amount, by way of damages or compensation for cancellation of the contract given to me/us or any work assigned to me/ us or is withdrawn by the Corporation."

However, in case of price difference, if it is a result differential tax structure, different Dollar values of Rupee, considering this aspect, before invoking the penalty, blacklisting etc., I/ We will be given a reasonable opportunity being heard by representing our case as to why such price variation/ differential has arisen.

In case, if the explanation submitted by me/us is unsatisfactory then action as stated above including forfeiture of Deposit & blacklisting may be taken against me/ us.

TENDERER'S FULL SIGNATURE

WITH FULL NAME & RUBBER STAMP

(Note: This affidavit should be given on Rs. 500/- stamp paper duly notarized by Notary with red seal and registration Number.)

PROFORMA – VIII
Structure and Organisation

1. The bidder is _____
 - a) an individual
 - b) a proprietary firm
 - c) a firm in partnership
 - d) a limited Company or Corporation
 - e) a group of firms/joint venture

(if yes, give complete information in respect of each partner)
2. Attach the organization chart showing the structure of _____
the organization, including the names of the directors and
position of officers
3. Number of years of experience:
 - a) As a Prime Contractor
(Contractor shouldering major responsibility)
 - i) in own country _____
 - ii) in other countries (specify country) _____
4. Name and address of any associates the bidder has in _____
India (in case the bidder happens to be from foreign _____
country) who are knowledgeable in the procedures of _____
customs, immigration, taxes and other information _____
necessary to do the work
5. For how many years has your organization been in _____
Business of Installation & maintenance of road traffic
Signal system work?
6. Were you ever required to suspend construction for a _____
period of more than six months continuously after you
started? If so, give the name of the project and give
reasons therefor
7. Have you ever left the work awarded to you incomplete? _____
(If so, give name of project and reasons for not
completing work)

Sign & Seal of the Bidder/ Tenderer

PROFORMA - IX
Litigation History

Name of Bidder or partner of a joint venture

Bidders, including each of the partners of a joint venture, shall provide information on any history of litigation or arbitration resulting from contracts executed in the last seven years or currently under execution. A separate sheet should be used for each partner of a joint venture.

Year	Award FOR or AGAINST Bidder	Name of client, cause of litigation and matter in dispute	Disputed amount (Current Value- Rs. equivalent)

Sign & Seal of the Bidder/ Tenderer

PROFORMA - X
Details of Cleaning Contractors

Name & address of the firm

1	Number of Supervisory Staff with their C.V.
2	Number of Unskilled Staff Poses
3	Name of the Equipments Owned
4	Name of the works carried out in last 2 years in the field of House Keeping / Cleaning of Traffic Signals, equipments.
5	Cost of the Work

Sign & Seal of the Bidder/ Tenderer

PROFORMA - XI

Declaration for supply of Truck mounted Aerial/Boom Lift Crane

I/We M/s *[insert: name & address of Bidder]* agree that I/We have owned /hired the Truck mounted Aerial/Boom Lift crane as mentioned in Bid Document for the work of “**Maintenance of Conventional Non ATC Road Traffic Signal System and Flashing Beacons in Western Suburb of Brihanmumbai for the period from 01.09.2026 to 31.08.2028**”. I/We assured that the Truck mounted Aerial/Boom Lift crane will be made available throughout the maintenance contract as and when required or as instructed by the Engineer. I/We assure that best services of Truck mounted Aerial/Boom Lift crane will be provided till end of the Contract.

Name & Signature of Bidder

PROFORMA – XII

EQUIPMENT MANUFACTURER DECLARATION (On Letterhead of OEM)

To,
Ex. Eng. (ATC)
Brihanmumbai Municipal Corporation
Ground Floor, Engineering Hub,
Dr. E. Moses Road, Worli,
Mumbai – 400 018. India.

Whereas M/s who are established and BMC approved manufacturers of LED Signal Head Retrofit, Traffic Signal Controller & Digital Count Down Timers with their accessories having production facilities at [Insert: address of factory] do hereby authorize[Insert: name & address of bidder] (Hereinafter, the “bidder”) to submit a bid, and subsequently negotiate and sign the contract with you against the tender for **“Maintenance of Conventional Non ATC Road Traffic Signal System and Flashing Beacons in Western Suburb of Brihanmumbai for the period from 01.09.2026 to 31.08.2028”**

We hereby extend our full support for the supply of LED Signal Head Retrofits, Traffic Signal Controller & Digital Count Down Timer with their accessories. We also hereby declare that we and..... [Insert: name of the Bidder] have entered into a formal relationship in which, during the duration of the Contract (including warranty).

We, the Approved Equipment Manufacturer, will make our technical and engineering staff fully available to the technical and engineering staff of the successful Bidder to assist on a reasonable and best effort basis, in the performance of all its obligations to the bidder under the Contract.

Authorized Signatory

Name:

Contact:

Address:

E-mail Id:

Undertaking for Equipment Capabilities

The contractor shall give undertaking on Rs.500/- stamp paper i.e. the required machineries either owned / on lease or hire basis for said work will be arranged at site before start of the work and the same will be his sole responsibility.

Name & Signature of Bidder

SECTION 15

LIST OF SIGNAL JUNCTIONS

List of Non ATC Road Traffic Signal junctions in Western Suburb

Sr. No.	Name of Signal junction
1	S.V. Road, Andheri Fly Over Junction, Andheri (W)
2	Gazdar Road & S.V. Road, Andheri Station (W)
3	S.V. Road, Mamledar Wadi Junction, Malad (W)
4	S.V. Road, Underai Road Junction, Malad (W)
5	S.V. Road, Marve Road Junction, Malad (W)
6	S.V. Road & Bajaj Road Junction, Kandivali (W)
7	S.V. Road, M.G. Road Junction, Kandivali (W)
8	Jay Coach on WEH with extention at Bimbisar Nagar Junction, Jogeshwari (E)
9	Malcom Baug Junction on S.V. Road, Jogeshwari (W)
10	S.V. Road & Shimpoli Road Junction, Borivali(W)
11	S.V. Road, Borsa Pada Road Junction, near Poisar Depot, Kandivali (W)
12	S.V. Road, Sai Baba Nagar Junction, Kandivali (W)
13	Marve Road, 100' Relief Road Junction (Malvani Smashanbhumi), Malad (W)
14	Extn. Nehru Road & Service Road, (Gujrati Society), Vileparle (E)
15	S.V. Road and Borivali Fly Over Bridge Junction, Borivali (W)
16	WEH and Sahar Road Junction, (Bahar Cinema), Andheri (E)
17	WEH and N.S.Phadke Road Junction, Near Bisleri, (Gold spot Junction), Andheri (E)
18	Andheri Kurla Road and WEH Junction, (Andheri Tap) Andheri (E)
19	S.V. Road & Chandavarkar Road Junction, Borivali (W)
20	S.V. Road & S.N. Dubey Marg, Near Rajashree Cinema, Dahisar (E)
21	WEH. & S.V. Road Junction, Dahisar Checknaka, Dahisar (E)
22	Ashokvan Junction on WEH , Dahisar (E)
23	Kandivali Tel. Exchange on S.V. Road, Kandivali (W)
24	Thakur Complex Junction on Western Express Highway, Near Thakur Complex, Kandivali (E)
25	Vijay Nagar Society Junction on Sahar Road, Vileparle (E)
26	Dahanukarwadi Junction on M.G. Road, Kandivali (W)
27	Datta Pada Road and WEH Junction, near Magathane Depot, Borivali (E)
28	Datta Mandir Road and WEH Junction Malad (E)
29	WEH and Aarey Road Junction, Goregaon (E)
30	N.S. Phadke Road and Teli Gali Road Junction, Andheri (E)
31	Nehru Road and Shradhanand Road Junction, Bhogale Chowk, Parle (E)
32	Char Bunglow Market Junction on J.P. Road, Andheri (W)

33	I.O.C. Junction (Indian Oil Nagar) on Link Road, Andheri (W)
34	Ram Mandir Road & S.V. Road Junction Goregaon (W)
35	Chincholi Bandar Road and S.V. Road Junction, Malad (W)
36	Bhagwati Hospital Junction on SVP Road, Borivali (W)
37	Vishweshwar Nagar Road and Aaray Road Junction near Udipi Hotel, Goregaon (E)
38	Goregaon Flyover and S.V. Road Junction, near MTNL Office, Goregaon (W)
39	Shankar Lane and S.V. Road Junction near Adani office, Kandivali (W)
40	S.V. Road and M.G. Road Junction, near Ratna Hotel, Goregaon (W)
41	S.V. Road and Aarey Road Junction, Goregaon (W)
42	Rokadia Lane & S.V.P. Road, Borivali (W)
43	Devidas Road & S.V.P. Road, Borivali (W)
44	Jaywant Sawant Marg & R. North Ward Office, Borivali (W)
45	Ambawadi Junction on S.V. Road, Dahisar (E)
46	Gonsalvis Road and Perry Road / Turner Road Junction, Kalntri Chowk (Honkong Bank), Bandra (W)
47	Hill Road and Manuel Gonsalves Road Junction, Bandra (W)
48	Near Ajit Glass Works on S.V. Road, Jogeshwari (W)
49	S.V. Road & Ceaser Road Junction, Amboli Phatak, Andheri (W)
50	S.V. Road & Behram Baug Road Junction, Jogeshwari (W)
51	S.V. Road & Shantilal Mody Road Junction, Kandivali (W)
52	S.V. Road & Mathuradas Road Junction, Kandivali (W)
53	S.V. Road & Lokmanya Tilak Road Junction, Borivali (W)
54	Govt. Indl. Estate, Hindustan Naka Junction, Charkop, Kandivali (W)
55	W.E.H. & Gen. Arun Kumar Vaidya Marg, near Oberoi Mall, Goregaon (E)
56	Nehru Road & Golibar Road Junction, Santacruz (E)
57	Krishna Vatika Marg and Gen. Arun Kumar Vaidhya Marg Junction, Gokuldharm, Goregaon (E)
58	Lilawati Hospital & K.C. Road Jn. Bandra (W)
59	Anand Nagar Junction on S.V. Road, near A/1 Darbar, Jogeshwari (W)
60	Bhor Industries Junction on Western Express Highway, Kandivali (E)
61	Dahisar Subway Road and S.V. Road Junction, Dahisar (E)
62	Malvani Fire Station Junction on Marve Road, Malad (W)
63	Junction of Babarekar Nagar on Old Link Road, Kandivali (W) (Ganesh Nagar / IMP Junction)
64	Saibaba Mandir Marg and Haridas Nagar Road Junction, Kandivali (W)
65	Charkop Market Junction on Ambedkar Road, Kandivali (W)
66	Vazira Naka Junction on L.T.Road, Borivali (W)

67	Babhai Naka Junction on L.T. Road, Borivali (W)
68	M.G. Road, In Front of Ghanshyam Tower, Borivali (E)
69	Vishweshwar Road & MGLR Junction, Pravasi Indl. Estate, Goregaon (E)
70	M.G. Road & Hanuman Road Junction, Parleshwar Mandir, Vileparle (E)
71	S.V. Road & L.T. Road Junction, Manav Kalyan, Dahisar (E)
72	L.T. Road & Factory Lane Junction, Borivali (W)
73	L.T. Road & Raghunath Mhatre Road Junction, near Vitthal Mandir, Dahisar (E)
74	Juhu Lane And Barfiwala Lane Junction, Andheri (W)
75	C D Barfiwala Road and Gulmohar Road Junction, (Copper Chimney), Andheri (W)
76	Chimbai Road with extension on Hill Road (B.J. Road and St. Andrews Church), Bandra (W)
77	30 th Road and Water Field Road Junction, Bandra (W)
78	Sahar Road & Shahaji Raje Road Junction, Shivaji Chowk, Parle (E)
79	Pandurang Wadi Junction on GMLR, Goregaon (E)
80	Yogi Nagar & Link Road Junction, Borivali (W)
81	Eskay Resort on Link Road Junction, Borivali (W)
82	L.T. Road & New Link Road Junction, near Don Bosco High School, Borivali (W)
83	New Link Road & Shimpoli Road Junction, near MTNL Telephone Exchange, Borivali (W)
84	Link Road and R.M. Bhattad Marg Junction, Chikuwadi, Borivali (W)
85	Haridas Nagar Road and R.M. Bhattad Marg Junction, Borivali (W)
86	Vasari Hill Junction, G.M.L.R., Goregaon (W)
87	Chincholi Road & Nanubhai Bhuleshwar Road Junction, Malad (W)
88	Achutrao Patwardhan Marg and Model Town Road, Near Andheri R. T. O., Andheri (W)
89	Junction on Achutrao Patwardhan Marg, near Mhada Gap, Andheri (W)
90	Sasural Hotel, Lokhandwala Complex, Andheri (W)
91	S.V. Road and Andheri Subway Junction, Andheri (W)
92	Dindoshi Bus Depot Junction on Gen Arun Kumar Vaidya Marg, Goregaon (E)
93	S.V. Road & New Link Road Junction, Dahisar (E)
94	New Link Road Anand Nagar Junction, near N.L. Complex, Dahisar, (E)
95	17th Rd & C D Road Junction, Khar (W)
96	Kishor Kumar Ganguly Road & Juhu Tara Road Junction, Juhu
97	Jayshreedhan Society Junction on Link Road, Goregaon (W)
98	Gopal Bhoomi Junction on S.V. Road, Borivali (E)
99	Jamanadhar Agarwal High School Junction on W.E.H. (Asmita School), Jogeshwari (E)
100	S.V. Road and Patel Estate Road Junction, Near 24 Caret Multiplex, Jogeshwari (W)
101	Paranjape Chowk Junction on Chandavarkar Road, Borivali (W)

102	Link Road & Devidas Road Junction, Dahisar (W)
103	Link Road & Karuna Society (I.C. Colony) Junction, Dahisar (W)
104	Link Road & Holy Cross Road Junction (Rupali Junction), Dahisar (W)
105	Link Road & Kandarpada Junction, near D'Mart, Dahisar (W)
106	Aai Tulja Bhavani Chowk Junction, behind Infinity Mall Andheri (W)
107	Milan Subway Junction near WEH, Vile Parle (E)
108	P.K. Sawant Marg & Charbanglow Market Road Junction, Andheri (W)
109	Toraskar Marg Junction, Near Oshivara Police Station, Oshivara
110	Hypercity Mall Junction on Link Road, Goregaon (W)
111	Adarsh Lane & Marve Road Junction, near P/N Ward Office, Malad (W)
112	Eaksar Road & Chandavarkar Road, Borivali (W)
113	Ramdas Sutrale Marg & Chandavarkar Road, Borivali (W)
114	Ganesh Chowk Junction on Hanuman Road, Parle (E)
115	Swaminarayan Chowk Junction on M.G. Road, Kandivali (W)
116	Dr. B.A. Road & Gorai Pragati Road Junction, Borivali (W)
117	Hotel Court Yard Junction on Veera Desai Road, Andheri (W)
118	J.P. Road & Yari Road Junction, Andheri (W)
119	S.V. Road and Balasaheb Thackray Flyover Junction, near Millat Hospital, Jogeshwari (W)
120	Dindoshi Fire Brigade Junction on Gen. Arun Kumar Vaidya Marg, Goregaon (W)
121	Ramesh More Chowk Junction on Andheri-Kurla Road, Andheri (W)
122	Mrunal Tai Gore Fly over and Ram Mandir Road Junction, Jogeshwari (W)
123	Maheshwari Chowk Junction on Rani Sati Marg, Malad (E)
124	Sadguru Hotel Junction on S.V. Road, Goregaon (W)
125	J. P. Road and Ceasor Road Junction, Andheri (W)
126	S.V.P. Road and Shankar Lane Junction, Kandivali (W)
127	Kathiyawadi Chowk Junction on Rani Sati Marg, Malad (E)
128	Junction at Model Town Road , J.P. Road and New Varsova Link Road, (Bon-Bon Junction) Andheri (W)
129	KFC Store Junction on Linking Road, Bandra (W)
130	Barfiwala Road And 90ft Road Junction, Andheri (W)
131	Gulmohar Road and 90ft Road Junction, Andheri (W)
132	Vateshwar Mandir Junction on J.P. Road, Andheri (W)
133	Vijay Salaskar Garden Junction on Gen Arun Kumar Vaidya Marg Junction, Goregaon (E)
134	Ganesh Chowk Junction on Borsa Pada Road, near Kandivali MTNL, Charkop, Kandivali (W)
135	Ganesh Chowk Junction on Shimpoli Road, near Veg Treat Hotel, Borivali (W)

136	B.J Patel Road and Ramchandra Lane, Malad (W)
137	Borsapada Road and Gaonthan Road Junction, near Croma Shop, Kandivali (W)
138	Bandar Pakhadi Road and Borsapada Road Junction, Ganesh Chowk, Kandivali (W)
139	Junction at Cross Road near Discovery and Raigad Building, Borivali (E) with Ext. Rajendra Nagar Junction on Dttapada Road, Borivali (E)
140	Municipal School and Rajguru Flyover East end Junction, Kandivali (E)
141	Hanuman Mandir Road and Charkop Road Junction, Anand Mangal Hall, Charkop Road, Kandivali (W)
142	Suswagat Hotel Junction on Dattapada Road, near Tata Steel, Borivali (E)
143	Captain Sawant Marg and Veera Desai Road Junction, near Gundecha Symphony
144	Old Nagardas Road, Nikolas Road and Panipat Road Junction, Tiwari Chowk, Andheri (E)
145	Raheja Complex Junction on Gen Arun Kumar Vaidya Marg, Goregaon (W)
146	Sardar Vallabhai Road Junction on Link Road, Dahisar (W)
147	Shevantilal Khandwala Road & Rajiv Gandhi Commercial Complex Junction, Kandivali (W)
148	Station Road, Daftari Road Junction (Suchak Chowk) Poddar Road Junction, Malad (E)
149	Ramdas Sutrale Road and Usha Nagar Road Junction, Borivali (W)
150	Akurli Road & WEH Junction with extension of Samatanagar Police Station Junction, Kandivali (E).
151	Ketkipada Junction on WEH, near Dahisar Check Naka North End.
152	Sant Dnyaneshwar Road & WEH Junction, Borivali (E).
153	M.G.Road & WEH Junction National Park, with extension of Kulupwadi Jn. on WEH, Borivali (E).
154	Lucky Iraniwadi Junction on GMLR, Goregaon (E).
155	Vasant Vally Road(Mallika Hotel Road) & GMLR Road Junction near Mahanagar GAS, Goregaon (E).
156	BEST Colony Road & Link Road Junction near Mega Mall, Oshiwara (W).
157	J.P.Road and S.V.Road Jn. Andheri (W)
158	Phoenix Hospital Junction, Chikuwadi, Borivali (W).
159	Satyanagar Junction on R M Bhattad, Borivali (W).
160	24 th Road & Gulmohar Road Junction near Tawa Hotel, Bandra (W).

Likely to come under Maintenance

Sr. No.	Name of Signal junction
1	Traffic Signal Junction- 1
2	Traffic Signal Junction- 2

3	Traffic Signal Junction- 3
4	Traffic Signal Junction- 4
5	Traffic Signal Junction- 5
6	Traffic Signal Junction- 6
7	Traffic Signal Junction- 7

Solar Flashing Beacons

Sr. No.	Name of Flashing Beacon
1	Dattatray Road & S V Road, Santacruz (W)
2	Juhu Beach Stand on Juhu Tara Road, Andheri (W)
3	Vallabh Lane & S V Road, Vile-Parle (W)
4	North Avenue, S. V. Road, Khar (W)
5	Main Avenue & S V Road, Santacruz
6	Amarsons & Link Road, Khar (W)
7	Vileparle Bridge East end, Parle (E)
8	Church Avenue Road & Hansabad Lane Junction, Near Khar Subway, Khar (W)
9	Near Lilavati Hospital, Chapal Road, Mount Carmel Road & Veronica Road, in front of Mount Carmel Church & School, Bandra (W)
10	Near Orlem Church on Marve Road, Malad (W)
11	General Arunkumar Vaidya Marg, Yashoodham School, Goregaon (E)
12	S.V. Road & Malad Station Road, Malad (W)
13	Shashtri Nagar & New Link Road, Santacruz (W)
14	Gurunanak Road & Samarth Ramdas Road, Between JVPD Circle
15	Pandurang Wadi, Near Masurashram, Goregaon (E)
16	Near Children's Academy School, Ashok Nagar on Akurli Road, Kandivali (E)
17	S.V.P. Swimming Pool Cross Road No.2, Kandivali (W) No.1
18	S.V.P. Swimming Pool Cross Road No.2, Kandivali (W) No.2
19	Brahmakumaris Chowk on Sahantilal Modi Road, Mayur Cinema Junction, Kandivali (W)
20	Pragati Mandal Chowk on Mathuradas Road, Kandivali (W) No.1
21	Pragati Mandal Chowk on Mathuradas Road, Kandivali (W) No.2
22	SV.P. Road & Shantilal Mody Road Junction, near T.P. Bhatia College of Science Kandivali (W) No.1
23	S.V.P. Road & Shantilal Mody Road Junction, near T.P. Bhatia College of Science Kandivali (W) No.2

24	Ganesh chowk on Mathuradas Road Junction-1
25	Ganesh chowk on Mathuradas Road Junction-2
26	Tank Road, Shankar Lane Junction, Kandivali (W)
27	Hemukalani cross Road-2 and Mathuradas Road Junction, Sw. Bajirao Gopal Sawant Chowk Junction -1
28	Hemukalani cross Road-2 and Mathuradas Road Junction, Sw. Bajirao Gopal Sawant Chowk Junction -2
29	Shantilal Modi Road and Hemukalani cross Road-2 Junction -1
30	Captain Gore Bridge West End, Vile-Parle
31	Municipal School on M. G. Road, Kandivali (W)
32	S.V. Road in front of Central Bank
33	St. Anne High School on L.T.Road Borivali (W) -1
34	St. Anne High School on L.T.Road Borivali (W) -2
35	Near Atul Tower on Mathuradas Road Junction -1
36	Near Atul Tower on Mathuradas Road Junction -2
37	Shatabdi Hospital on S.V. Road, Kandivali (W) -1
38	Shatabdi Hospital on S.V. Road, Kandivali (W) -2
39	Sai Lee International School Gorai Road, Borivali (W)-1
40	Sai Lee International School Gorai Road, Borivali (W)-2
41	St. Francis D'Assisi High School, Borivali (W)
42	In front of Gokhale High School Shimpoli Road, Borivali (W) -1
43	In front of Gokhale High School Shimpoli Road, Borivali (W) -2
44	In front of Gokhale High School Shimpoli Road, Borivali (W) -3
45	In front of Suvidya Vidyalay, Dr. B. Ambedkar Road, Gorai, Borivali (W)
46	Thakur House on Akurli Road, Kandivali (E) - 1
47	Thakur House on Akurli Road, Kandivali (E) - 2
48	Mahila Sangh School, Vile Parle (E) - 1
49	Mahila Sangh School, Vile Parle (E) - 2
50	Mahila Sangh School, Vile Parle (E) - 3
51	Bhora Colony Junction on M.G. Road, kandivali (W)
52	M.G. Road and Ch. Shivaji Road Junction, Kandivali (W)
53	Perry Road and Perry Cross Road Junction near Tendulkar Banglow.-1 Bandra (W)
54	Perry Road and Perry Cross Road Junction near Tendulkar Banglow.-2 Bandra (W)
55	Perry Road and St. Andrews Road Junction, near D. Monty School,-1 Bandra (W)
56	Perry Road and St. Andrews Road Junction, near D. Monty School,-2 Bandra (W)
57	Milan Subway Flyover West End

58	Milan Subway Flyover East End
59	Link Road & Laxman Mhatre Road near, MacDonald, Dahisar (W)-1
60	S.V. Road & Sainath Road, Malad (W)
61	Link Road & Laxman Mhatre Road, Near MacDonald, Dahisar (W)-2

Likely to come under Maintenance

Sr. No.	Name of Flashing Beacon
1	Flasher- 1
2	Flasher- 2