

## VOLUME - I



### E-TENDER

For

**Name of Work:-** Proposed development of Fire Station with allied activity on plot bearing no. 216(pt) 217,218(B),219(B),220(B) and 267(C) of village Kurla for Kurla Fire Station, L.B.S. Road in 'L' ward.

## **BID DOCUMENT**

Website: <http://mahatenders.gov.in>

Office of Dy. City Engineer (Building Construction) Eastern Suburb,  
6th floor, Municipal Garage bldg, Behind Ghatkopar Bus Depot,  
Pantnagar, Ghatkopar (E),  
Mumbai - 400 075.

-sd-                      -sd-                      -sd-                      -sd-                      -sd-  
H.C.(Exp.) B.C. E.S.    S.E.(B.C.)E.S.        S.E.(B.C.)E.S.        S.E.(B.C.)E.S.        S.E.(M&E) B.C.E.S.

-sd-                      -sd-                      -sd-                      -sd-  
A.E.( B.C.) E.S.        A.E.(M&E) B.C.E.S.    E.E.(B.C.)E.S.        Dy.C.E.(B.C.)E.S.

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# **SECTION 1**

## **E-TENDER NOTICE**

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## **BRIHANMUMBAI MUNICIPAL CORPORATION**

**Dy. City Engineer (Building Construction) Eastern Suburb**

No. Dy.C.E/BC/...../ES dated

### **E-TENDER NOTICE**

**Subject:** Proposed development of Fire Station with allied activity on plot bearing no.216(pt), 217, 218(B),220(B) and 267(C) of village Kurla for Kurla Fire Station, L.B.S. Road in 'L' ward.

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 I (B) and above and Class A for Electrical** as per Registration Rules 2016(excluding those who are blacklisted or against whom FIR has been filed ) or those having equivalent or more work experience in Central or State Government/Semi Govt. Organization/Central or State Public Sector Undertakings works, 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 date of issue of work order, otherwise their Bid Security i.e. E.M.D (Earnest Money Deposit) will be forfeited/recovered and a penalty of 0.1 % of contract cost or Rs 10,000/- whichever is more will be recovered/ deducted from the contractors payment/bill by the executing department. Joint venture or Consortium will not be allowed for this tender.

Bidding Process will comprise of THREE stages.

The application form can be downloaded from Mahatenders portal (<http://mahatenders.gov.in>) on payment of **Rs. 15,000/-+ 18%GST**.

The bidders can enroll themselves on website <https://mahatenderss.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 Certificate can be obtained from the authorised certifying agencies, details of which are available in the website <https://mahatenderss.gov.in> under the link "Information about DSC". The web site also has user manuals with detailed guidelines on

enrolment and participation in the online bidding process. The user manuals can be downloaded for ready reference. 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.

Name and location of work	Contract Period	Estimated Cost of Project (Excluding GST)
Proposed development of Fire Station with allied activity on plot bearing no.216(pt), 217, 218(B), 219(B), 220(B) and 267(C) of village Kurla for Kurla Fire Station, L.B.S. Road in 'L' ward.	21 Months including monsoon	Civil Works :- Rs. 15,60,74,300.00/- Electrical works :- Rs. 2,21,86,362.00 /- Fire Fighting Works:- Rs. 38,57,525.00 /- Total Est. Cost :- Rs. 18,21,18,187.00 /-

In terms of the 3 stage system of e-tendering, a Bidder will be required to deposit, along with its Bid, an **Earnest Money Deposit of ₹ 18,21,182/- (Eighteen lakhs Twenty One Thousand one Hundred eighty Two Rs. Only)** (the "EMD"), refundable in accordance to the relevant clause of bid document, from the Bid Due Date, except in the case of the selected Bidder whose Bid Security/EMD shall be retained. The Bidders will have to provide Earnest Money Deposit through the payment gateways while submitting the bids. The Bid shall be summarily rejected if it is not accompanied by the Earnest Money Deposit. The e-tender is available on (<http://mahatenders.gov.in>) as mentioned in the Header Data of the tender.

As per THREE Packet systems, the document for Packet A & B is to be uploaded by the bidder in vendors' document online in Packet A, B. 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 Dy. City Engineer (BC) ES. The Packet C shall be opened if bids submission in Packet A & B satisfies/includes all the requirements and the same are found acceptable to the Authority.

The 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 Mahatenders Portal. (<http://mahatenders.gov.in>)



The Applicants interested for the above referred works may contact the Dy.City Engineer (BC) ES at the following address on any working day during office hours.

Office of Dy.City Engineer,  
(Building Construction) Eastern Suburb,  
6th floor, Municipal Garage bldg,  
Behind Ghatkopar Bus Depot,  
Pantnagar, Ghatkopar (E),Mumbai- 400 075.

The applicants may wish to visit the site under reference located at **Kurla (L ward)**, a part of Eastern suburban area of Mumbai 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 application or reject any or all the application received for above works, without assigning any reasons thereof. The information regarding above subject matter is available on (<http://mahatenders.gov.in>)

-sd-

**Dy. City Engineer  
(Building Construction)  
Eastern Suburb**

## HEADER DATA

Tender Document No	
Name of Organization	Brihanmumbai Municipal Corporation
Subject	<b>Proposed development of Fire Station with allied activity on plot bearing no.216(pt), 217, 218(B), 219(B), 220(B) and 267(C) of village Kurla for Kurla Fire Station, L.B.S. Road in 'L' ward.</b>
Scrutiny Fee	<b>Rs. 15,000/- (+ 18% GST)</b>
Cost of E-Tender(Estimated Cost)	<b>Rs. 18,21,18,187.00/- (Excluding GST)</b>
Bid Security Deposit/ EMD	<b>Rs ₹ 18,21,182 /-</b>
Date of issue and sale of tender	..... from 11:00Hrs
Pre-Bid Meeting – Date, Time & Venue	..... at 11:30 Hrs at Office of Dy. City Engineer (Building Construction) ES, 6th floor, Municipal Garage bldg, Behind Ghatkopar Bus Depot, Pantnagar, Ghatkopar (E), Mumbai - 400 075.
Last date & time for sale of tender & Receipt of Bid Security Deposit	..... upto 14:00Hrs
Submission of Packet A, B & Packet C(Online)	..... upto 16:00Hrs
Opening of Packet A	..... after16:01Hrs
Opening of Packet B	..... after16:10Hrs
Opening of Packet C	..... after15:00 Hrs
Address for Communication	Office of Dy. City Engineer (Building Construction) ES, 6th floor, Municipal Garage bldg, Behind Ghatkopar Bus Depot, Pantnagar, Ghatkopar (E), Mumbai - 400 075.
Venue for opening of bid	On line in Dy. City Engineer (Building Construction) Eastern Suburb Office.
Contact :	Shri. S.K.Patil, A.E. (B.C.) E.S. Mobile: 9920915345 Email Id: ae05dyce.bces@mcgm.gov.in

**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.

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**Dy. City Engineer  
(Building Construction)  
Eastern Suburb**

# **SECTION 2**

# **ELIGIBILITY CRITERIA**

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## **1. Regular, Routine and Maintenance works:**

### **1.1 Technical Capacity:**

#### **A) For Civil Work: -**

The tenderer(s) in their own name should have satisfactorily executed the work of similar nature in 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 (or as a nominated sub-Contractor, where the subcontract had involved similar nature of work as described in the scope of works in this bid document, provided further that all other qualification criteria are satisfied)

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

**Or**

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

**Or**

c) **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.

#### **B) For Electrical Work: -**

Main Contractor should submit the credentials of nominated sub-contractors for Electrical works, along with mandatory enclosures as mentioned below. The Memorandum of Undertaking (MoU) on Rs.500/- Stamp Paper with the nominated sub-contractor shall be submitted by prime bidder along with the bid in Packet B, failing which further action as deem fit will be initiated.

Tenderer/Nominated Sub Contractor of electrical shall have registered with the BMC in Class "A" as per new registration rule 2016.

Tenderer/Nominated Sub Contractor of electrical works shall have valid PWD's electrical contractors license and his own office setup in Mumbai/Navi Mumbai/Thane area.

***(Supporting documents and certificates shall be uploaded by main contractor.)***

The tenderer(s) in their own name should have satisfactorily executed the work of similar nature in BMC /Semi Govt. /Govt. & Public Sector Organizations Sector during **last seven (7) years** ending last day of month previous to the one in which bids are invited as a prime Contractor (or as a nominated sub-Contractor, where the subcontract had involved similar nature of work as described in the scope of works in this bid document, provided further that all other qualification criteria are satisfied).

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

**Or**

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

**Or**

c) **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.

**Similar Experience:**

Similar work shall mean, Work of **Supply, installation, testing, commissioning & repairing of Electrical systems.**

**C) Fire Fighting, fire alarm and fire detection Work: -**

Prime bidder should submit the credentials of nominated sub-contractors for Fire fighting and Detection works, along with mandatory enclosures as mentioned below. The Memorandum of Undertaking (MoU) on Rs.500/- Stamp Paper with the nominated sub-contractor shall be submitted by prime bidder, along with the bid in Packet B, failing which further action as deem fit will be initiated.

Firms dealing in the line of installations of Fire Fighting and fire detection / suppression systems enlisted with Directorate of Maharashtra fire services as eligible (as on the date of invitation of tender) licensing agency for SITC of Fire Fighting and fire detection / suppression systems and his own office setup at Mumbai/Navi Mumbai/Thane area. (Supporting documents and certificates shall be uploaded by main contractor.)

The tenderer(s) in their own name should have satisfactorily executed the work of similar nature in 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 (or as a nominated sub-Contractor, where the subcontract had involved similar nature of work as described in the scope of works in this bid document, provided further that all other qualification criteria are satisfied).

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

**Or**

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

**Or**

**f) 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.

**Similar Experience:**

Similar work shall mean, Work of **Supply, installation, testing & commissioning of Fire Fighting and fire detection/ suppression systems.**

**Note:**

1. All the items of the Plant & machinery and accessories fabricated/ bought as per specifications and drawing shall be approved class and liable for inspection and testing before dispatch.
2. Contractor shall arrange all the necessary test (routine as well as functional) in the presence of the engineer at manufacturer premises or at site in accordance with the appropriate standards. No material shall be dispatched without the consent of the Engineer.
3. Contractor shall arrange visit for factory inspection of the equipment of various services i.e. DG Set, Electrical panels, Fire Panel, STP, Lifts, CCTV etc. whenever necessary with required no of persons as specified by Engineer in charge at that time at any location within or outside India with no extra cost with prior permission of Competent authority.
4. Contractor shall take prior approval of the competent authority for all equipment before execution.
5. All MOU with specialized subcontractor to be supported with board resolution of both parties and should be binding to the effect that bidder cannot change sub-contractor without consent of BMC.

### **1.2 Financial Capacity:**

Achieved an average annual financial turnover as certified by 'Chartered Accountant' (in all classes of civil engineering construction works only) 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 (2020-21, 2021-22, 2022-23,).

To ascertain this, tenderer(s) shall furnish/ upload the financial statement (Audited balance sheet) duly certified by chartered accountant.

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.

### **1.3 Similar Experience:**

For assessing the technical capacity of major structural repairs / maintenance works and reconstruction / new construction works; similar work shall mean, the completed or on-going works in Building Construction OR Building Maintenance such as repairs /retrofitting / upgradation/ structural repairs".

Work of Similar Nature means Construction of multipurpose building / buildings for Hospital/Commercial use /Public use / etc. like Staff quarters, markets, schools, offices, etc.

## **2. Bid Capacity:**

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

$$\text{Assessed Available Bid Capacity} = (A * N * 2 - B)$$

Where, **A** =Maximum value of Civil Engineering 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 as per MGC/F/6565 dt. 25.09.18, or financial failures etc.

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# **SECTION 3**

# **DISCLAIMER**

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## **DISCLAIMER**

The information contained in this e-tender document or provided to Applicant(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 divisors, is provided to Applicant(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 Applicant 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 Applicant 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 Applicant(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 Applicant or 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 and 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 Applicants for participation in the Bidding Process. The Brihanmumbai Municipal Corporation (BMC) also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Applicant 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 Applications 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 Applications or Bids without assigning any reasons whatsoever.

The Applicant shall bear all its costs associated with or relating to the preparation and submission of its Application 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 Application. All such costs and expenses will remain with the Applicant 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 an Applicant in preparation or submission of the Application, regardless of the conduct or outcome of the Bidding Process.

# **SECTION 4**

# **INTRODUCTION**

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## **INTRODUCTION**

### **1. Background:**

The Brihanmumbai Municipal Corporation covers an area of 437.71sq.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 Greater Mumbai.

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., Octroi and Other Such Departments where quite a good number of staff members are working.

### **Scope of Work:**

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 and bridges and Building Construction etc.

- The project work includes all types of Civil work in broad scope for constructing Fire Station building, Officers and Staff Quarters, Drill Tower, Security cabin, Pump Room, & allied works, etc in all respect.
- Proposed construction of Fire Brigade Station with total gross Built-Up Area ad-measuring 2006.71 sq.mt. comprises of
  - ✓ Fire station Building (Building no 1) – Ground +3 Floors,
  - ✓ Staff quarters building (Building no 2)- Ground + 3 Floors,

- ✓ Drill tower- Ground + 4 Floors,
- ✓ Security cabin, Pump Room, & over head tank, underground tank, Rain water harvesting tank, compound wall & allied works, etc.

**Civil Works:-**

- 1) RCC framed structures as per the drawings and design submitted by the Structural Consultant M/s Nayan Dholakiya
- 2) Brick work for partition wall as per the approved architectural drawings.
- 3) Internal plaster of 20 mm thick with neeru finish in two coats.
- 4) External sand faced cement plaster 25 mm thick in two coats.
- 5) Providing vitrified flooring with natural stone strips at entrance and lobby area, mirror polished Kotta stone flooring, anti skid ceramic tiles in toilet area etc as per the approved architectural drawings.
- 6) Providing and Fixing doors having Teakwood frame with flush double shutters, single & double leaf flush commercial door with Teakwood frame, single shutter FRP frame & shutter and Mild Steel collapsible gate.
- 7) Providing and Fixing windows of two, three & four track aluminium anodised sliding window with frosted & texture glass fixed in shutter, aluminium louvered window, Top/side hung window as per the approved architectural drawings.
- 8) Granite sills & jams for windows/doors.
- 9) Internal Painting with luster paint at all internal areas except at godown, meter room, lift machine room, electric duct, stair room and Acrylic based exterior paint at godown, meter room, lift machine room, electric duct, stair room and all external walls.
- 10) Mirror polished Granite stone for all risers and treads with grooves at all staircases.
- 11) Sanitary fixture in toilet/washing area as per approved architectural drawings.
- 12) Waterproofing treatment at terrace by brick bats laid in cement mortar with broken China mosaic flooring, crystalline waterproofing treatment to inside surfaces for Underground Water tank & Over head tank and water proofing compound at toilet areas, & chajja & washing area.
- 13) For Building no.1, Underground water tank i.e. flushing tank (5625 lit), domestic tank (10125 lit), Overhead water tank wing A i.e. flushing tank (7800 lit), domestic tank (9800 lit), Overhead water tank wing B i.e. flushing tank (6900 lit), domestic tank (9900 lit).

For Building no.2, Underground water tank i.e. flushing tank (4500 lit), domestic tank (4500 lit), Overhead water tank i.e. flushing tank (4600 lit), domestic tank (4600 lit), Fire fighting tank (30100 lit) & Rainwater harvesting tank (39600 lit).

14) Demolishing existing damaged compound wall and reconstructing the same with Reinforced Cement Concrete pier and brickwork along with Plastering & painting work of compound wall.

15) Constructing internal road in Cement Concrete pavement.

16) Arrangement for disposal of sewerage by providing sewer line/Inspection Chamber as per remarks of SP department.

17) Provision of storm water drain. All layouts of storm water drains are as prescribed by SWD department in their remarks & internal channel drain with MS grating.

18) Rain water harvesting system as per remarks of RWH dept.

29) Laying and fixing of water supply lines as per loop design of AE (WW).

#### **M&E Works:-**

1) Electrical wiring in casing & capping with Light and Fan Fixture.

2) Fire fighting system- The work of fire fighting & Fire detection as per CFO's remarks.

3) 48-60 W LED Street light fittings are considered for buildings (building no 1 , building no 2 and Drill tower) periphery.

4) D G Sets- D G set of 30 KVA capacity for Building no. 1( A wing)- 1 no, Building No. 1( B Wing) -1 no and for Building no. 2 -1 no.

5) Public Address System for Building No 1 & Building No 2 .

6) SITC of Lifts:- Passenger's lift, G+3 floors having capacity of 08 nos of passengers are considered with (three years DLP) as per remarks of CFO.

For Building no 1 A wing:- 1 No.

For Building no 1 B wing:- 1 No. and

For Building No 2:- 1 No.

7) CCTV at peripheral & entry points of each floor are considered for Building No 1 and building no 2.

8) Lightening Arrestor for both the buildings.

9) Submersible pumps for overhead Domestic and flushing Tanks.

10) Garden poles & octagonal poles with LED street lights of 70-90 W. are considered.

**Horticultural Works:-**

- The work may consists of cutting, transplantation, plantation of trees as per the NOC issued by Tree Authority. However NOC from tree authority is awaited. Item related to tree cutting / transplantation are considered in the estimate as per site condition and plans from M.A.
- **Site Location:** CTS no.216(pt) 217,218(B),219(B), 220(B) and 267(C) of village Kurla at L.B.S. Road in 'L' ward.
- **Contractor to inspect the site before filling the tender**

**SECTION 5**

**E-TENDERING ONLINE**

**SUBMISSION PROCESS**

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## **E-TENDERING ONLINE SUBMISSION PROCESS**

GOVERNMENT E-PROCUREMENT SYSTEM has successfully rolled out the e-bid submission Tendering System through its web site <https://mahatenders.gov.in> Tenders of various Departments have been uploaded, their bids submitted and the same have been opened on line. Bids for various tenders published in the web site of Government Departments can be submitted online by enrolling with the above-mentioned web site.

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”.

The web site also has user manuals with detailed guidelines on enrollment and participation in the online bidding process. The user manuals can be downloaded for ready reference. 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](http://www.mahatenders.gov.in) Portal using the option to Enroll available in the Home Page. Then the Digital Signature enrollment 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 MudhraCA/ GNFC/ IDRBT/ MtnlTrustline/ SafeScrip/ TCS.
2. Bidder then logs into the portal giving user id / password chosen during enrollment.
3. The e-token that is registered should 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 schedules, 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” and Packet B related Documents in cover 2 “PQC” respectively.
8. The BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for that tender. Bidders are allowed to enter the Bidder Name and Values only.

9. If there are any clarifications, this may be obtained online through the eProcurement Portal, or through the contact details given in the tender document. 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 schedule and they should be in PDF/XLS/RAR/DWF formats. If there is more than one document, they can be clubbed together.
11. Bidder should arrange for the EMD as specified in the tender. The original should be posted/couriered/given in person to the Tender Inviting Authority, within the bid submission date and time for the tender.
12. The bidder reads 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 this portal. Offline documents will not be handled through this system.
18. At the time of freezing the bid, the eProcurement 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 will 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 acknowledgement 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 eProcurement system to the TIA well before the bid submission end date and time (as per Server System Clock).
26. The Municipal Commissioner reserves the right to reject all or any of the e-Tender(s) without assigning any reason at any stage. The dates and time for submission and opening the tenders are as shown in the Header Data. If there are any changes in the dates the same will be displayed on the e-Procurement System of Government of Maharashtra (Mahatenders) (<http://mahatenders.gov.in>).
27. Due to any unforeseen circumstances if any of the date mentioned in the header data is declared as public holiday, in that case all the dates\* will get shifted by one day or next working day.
28. Barring Physical submissions.
29. As the entire tendering procedure is online process, the physical submission of documents shall not be entertained.
30. The information about DSC, guidelines for bid submission, bidders manual kit, Help for Contractor, FAQ, etc are available on <https://mahatenders.gov.in>

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**SECTION 6**

**INSTRUCTIONS**

**TO**

**APPLICANTS**

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## **INSTRUCTIONS TO APPLICANTS**

### ➤ **Scope of Application**

The Authority wishes to receive Applications for Qualification in order to SELECT experienced and capable Applicants for the Bid Stage.

### ➤ **Eligibility of Applicants**

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 I (B) and above and Class A for Electrical as per new registration rule 2016**(excluding those who are blacklisted or against whom FIR has been filed ) or those having equivalent or more work experience in Central or State Government/Semi Govt. Organization/Central or State Public Sector Undertakings works, 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 date of issue of work order, otherwise their Bid Security i.e. E.M.D (Earnest Money Deposit) will be forfeited/recovered and a penalty of 0.1 % of contract cost or Rs 10,000/- whichever is more will be recovered/ deducted from the contractors payment/bill by the executing department. Joint venture or Consortium will not be allowed for this tender. Regarding mechanical &electrical works, the principal Tendered shall upload the authentic MOU held by them on stamp paper of Rs. 500/-with the firm having respective qualification criteria.

- **Regular, Routine and Maintenance works:**

To be eligible for pre-qualification and short-listing, an Applicant shall fulfil the following conditions of eligibility:

### ➤ **Technical Capacity**

#### **A. Civil Works**

The tenderer(s) in their own name should have satisfactorily executed the work of similar nature 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 (or as a nominated sub-Contractor, where the subcontract had involved similar nature of work as described in the scope of works in this bid document, provided further that all other qualification criteria are satisfied)

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

**Or**

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

**Or**

c) **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.

**B. For Electrical Work: -**

Main Contractor should submit the credentials of nominated sub-contractors for Electrical works, along with mandatory enclosures as mentioned below. The Memorandum of Undertaking (MoU) on Rs.500/- Stamp Paper with the nominated sub-contractor shall be submitted by prime bidder along with the bid in Packet B, failing further action as deem fit will be initiated.

Tenderer/Nominated Sub Contractor of electrical shall have registered with the BMC in Class "A" as per new registration rule 2016.

Tenderer/Nominated Sub Contractor of electrical works shall have valid PWD's electrical contractors license and his own office setup in Mumbai/Navi Mumbai/Thane area.

***(Supporting documents and certificates shall be uploaded by main contractor.)***

The tenderer(s) in their own name should have satisfactorily executed the work of similar nature in BMC /Semi Govt. /Govt. & Public Sector Organizations Sector during **last seven (7) years** ending last day of month previous to the one in which bids are invited as a prime Contractor (or as a nominated sub-Contractor, where the subcontract had involved similar nature of work as described in the scope of works in this bid document, provided further that all other qualification criteria are satisfied).

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

**Or**

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

**Or**

- f) **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.

**Similar Experience:**

Similar work shall mean, Work of **Supply, installation, testing, commissioning & repairing of Electrical systems.**

**C. Fire Fighting, fire alarm and fire detection Work: -**

Prime bidder should submit the credentials of nominated sub-contractors for Fire fighting and Detection works, along with mandatory enclosures as mentioned below. The Memorandum of Undertaking (MoU) on Rs.500/- Stamp Paper with the nominated sub-contractor shall be submitted by prime bidder, along with the bid in Packet B, failing which further action as deem fit will be initiated.

Firms dealing in the line of installations of Fire Fighting and fire detection / suppression systems enlisted with Directorate of Maharashtra fire services as eligible (as on the date of invitation of tender) licensing agency for SITC of Fire Fighting and fire detection / suppression systems and his own office setup at Mumbai/Navi Mumbai/Thane area. (Supporting documents and certificates shall be uploaded by main contractor.)

The tenderer(s) in their own name should have satisfactorily executed the work of similar nature in 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 (or as a nominated sub-Contractor, where the subcontract had involved similar nature of work as described in the scope of works in this bid document, provided further that all other qualification criteria are satisfied).

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

**Or**

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

**Or**

**i) 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.

**Similar Experience:**

Similar work shall mean, Work of **Supply, installation, testing & commissioning of Fire Fighting and fire detection/ suppression systems.**

**A. Financial Capacity**

Achieved an average annual financial turnover as certified by ‘Chartered Accountant’ (in all classes of civil engineering construction works only) equal to **30%** of the estimated cost of work in **last three (3) financial years** immediately preceding the Financial Year i.e. in which bids are invited (2020-21), (2021-22), (2022-23).

To ascertain this, tenderer(s) shall furnish/ upload the financial statement (Audited balance sheet) duly certified by chartered accountant.

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.

**B. Similar Experience:**

For assessing the technical capacity of major structural repairs / maintenance works and reconstruction / new construction works; similar work shall mean, the completed or on-going works in Building Construction OR Building Maintenance such as repairs /retrofitting / upgradation/ structural repairs".

Work of Similar Nature means Construction of multipurpose building / buildings for Hospital/Commercial use /Public use / etc. like Staff quarters, markets, schools, offices, etc.

**C. Bid Capacity:**

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

$$\text{Assessed Available Bid Capacity} = (A * N * 2 - B)$$

Where, **A** = Maximum value of Civil Engineering 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 as per MGC/F/6565 dt. 25.09.2018, or financial failures etc.

**D. Equipment Capabilities as required for this work**

The successful bidder will 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. The successful bidder and, to that effect he 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.

*Note:*

- 1. Bidders shall submit the undertaking for equipment capability and other undertakings as such on a single Rs.500/- stamp paper.**

**E. Technical Personnel:**

The contractor and/or its managerial staff should have qualification/experience appropriate to the functions they fulfil. The minimum standard shall be increased by asking that at least one number or more of the contractor or its managerial staff have acquired qualifications or work experience to the needs of the contract. The minimum

standard may also state that the person or persons responsible for managing the works must have a minimum of nos. of years' experience working on similar nature of projects.

For fixing requirement of Technical Staff as required for this work:

**General Guidelines for Fixing Requirement of Technical Staff**

Cost of work (Rs in Crores)	Requirement of Technical Staff		Minimum Experience(year)	Designation
	Qualification	Number		
<b>10 to 20</b>	i) Project Manager with degree in corresponding discipline of Engineering	1	10	Principal Technical Representative
	ii) Graduate Engineer	1	5	Technical Representative
	iii) Graduate Engineer or	1+1(M&E) or	2	Project/Site Engineer and Project
	Diploma Engineer	1+1(M&E)	5	Planning/ Billing Engineer

**Notes- 1** "Cost of work", in table above, shall mean the agreement amount of the work.

2. Rate of recovery in case of non-compliance of the clause be stipulated at following rates:-

Sr. No.	Qualification	Experience (In years)	Rate of Recovery per month
1	Project Manager with Degree	10	₹ 30,000/-
2	Graduate Engineer	5	₹ 25,000/-
3	Graduate Engineer	2	₹ 15,000/-
4	Diploma Engineer	5	₹ 15,000/-

3. Requirement of technical staff and their experience can be varied depending upon cost and complexity of the work by competent authority i.e. City Engineer with recorded reasons.

**F. Time Period Of The Project :**

Entire project should be completed and delivered within **21 months** of time from the date of award of contract that including Monsoon.

The time allowed for carrying out the work as entered in the Tender shall be strictly observed by the Contractor and shall be reckoned from the date on which the

Letter of Acceptance is given to the Contractor. The work shall throughout the stipulated period of the Contract be proceeded with all due diligence as time being deemed to be the essence of the contract on the part of the Contractor. On failing to do so, the Contractor shall pay as compensation an amount which shall be governed as per Clause - 8(e) of Standard General Conditions of Contract.

The Contractor should complete the work as per phase given below:

¼ of the work in ¼ of the time

½ of the work in ½ of the time

¾ of the work in ¾ of the time

Full of the work in Full of the time

Full work will be completed in **21 months** including monsoon.

The programme for completion of work shall be a part of the Contract Document in the form of Bar Chart / Gantt chart. The Contractor is supposed to carry out the work and keep the progress as per Bar Chart/GANTT Chart. The Contractor shall complete the work as per the Schedule given in the Contract and the programme submitted by the Contractor.

#### **G. Contract Execution**

All required documents for execution of the contract shall be submitted within 30 days from the date of issue of letter of acceptance. If the documents are not submitted within the stipulated time a penalty of Rs 5000/- per day will be applicable to the contractor. All contract documents need to be duly affixed with stamp duty properly signed along with evidence/proof of payment of security/contract deposit/ within 30 days from the date of letter of acceptance received by him

- H.** If the amount of the Contract Deposit to be paid above is not paid within 30 days from the date of issue of Letter of Acceptance, the Tender / Contractor already accepted shall be considered as cancelled and legal steps be taken against the contractor for recovery of the amounts.
- I.** 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 to-wards the excess cost incurred by the Department on rectification work.

**J. 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 instalments 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 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 recession 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 un-executed 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 un-executed 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.

**K. 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 employ 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 above clause J hereof; and in addition the contractor shall not be entitled to recover or be paid for any work therefore actually performed under the contract.

**L. The following documents form part of the contract**

- a. Notice inviting the e-tender
- b. The tender form
- c. Drawings (Copies of the drawings available in the office of Dy.City Engineer (Building Construction)Eastern Suburb, may be referred).
- d. Specifications {As per prevailing Unified Schedule Of Rates (USOR 2023)}

- e. “Standard General Conditions of Contract for Civil Works-2016.” Of the Brihanmumbai Municipal Corporation (BMC) as amended up to date.
- f. Special Conditions.
- g. BOQ & Rates.
- h. CFO NOC, if applicable
- i. Scope of Work
- j. Addendum/Corrigendum/Clarifications of pre-bid meeting.
- k. The drawing pertaining to this works can be inspected in the office of Municipal Architect/ Dy.C.E. (BC)ES, after 14.00 Hrs. on working days.

Sr. No.	Dwg. No.	Description
1.	Revision drawings No: ChE/MA/311/Idtd.26.05.2022	Proposed development of Fire Station with allied activity on plot bearing no.216(pt),217,218(B),219(B),220(B) and 267(C) of village Kurla for Kurla Fire Station, L.B.S. Road in ‘L’ ward.

❖ **Submission of Tenders**

**PACKET – A**

The Packet ‘A’ shall contain scanned certified copies of the following documents,  
Scrutiny of this packet will be done strictly with reference to only the scanned copies of Documents uploaded online in packet ‘A’

**Pre Qualification Documents :-**

- a) **Valid Registration Certificate**
- b) **Valid Bank Solvency Certificate** of Minimum Solvency amount as governed by Registration Rules in force for respective Class of Contractor for Civil and M&E works.

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.

- c) Certified copies of valid 'PAN' documents and photographs of the individuals, owners, Karta of Hindu undivided Family, firms, private limited companies, registered co-operative 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.
- d) Latest Partnership Deed in case of Partnership firm duly registered with Chief Accountant (Treasury) of BMC.
- e) **Registered Power of Attorney** if any.
- f) **Company Contact Details** i.e. Address, Phone, valid e-mail.id, etc. The bidders shall categorically provide their Email-ID in packet 'A'.
- g) Scanned copy of details of online payment of EMD shall be uploaded.
- h) Earnest Money Deposit Receipt.

**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 “A” then, the shortfalls will be communicated to the tenderer through e-mail only and compliance required to be made within a time period of **three working days** otherwise they will be treated as non-responsive.

### **PACKET – B**

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

1. **The list of similar type of works** as stated in para ‘A’ of Post qualification successfully completed during the last **seven** years in prescribed proforma, in the role of prime contractor. Information furnished in the prescribed proforma (**Proforma – I**) shall be supported by the certificate duly self-attested. Documents stating that it has successfully completed during the last five years at least one contract of similar works as stated in para ‘A’ of Post qualification.
2. Annual financial turnover for **preceding three financial years as certified by Chartered Accountant** preceding the Financial Year in which bids are invited. **Copies of Applicants duly audited balance sheet and profit and loss account for the preceding three financial years preceding the Financial Year in which bids are invited. (Proforma – II)**
3. Successful completion of at least one contract of size stated in pre qualification criteria during last seven financial/calender years (**Proforma-III**).
4. Information on provision of suitably qualified personnel capabilities (**Proforma-IV**).
5. Equipments Ownership List of owned Equipments /Machinery (**Proforma- V-A**).
6. List of owned Machinery or Have Assured Access through hire, lease, purchase agreement or other commercial means (**Proforma-V-B**).
7. Details of existing commitments / on-going works & Details of works for which bids are already submitted (**Proforma VI- A & B**).
8. 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 construction 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).



9. The packet 'B' shall contain scanned certified copies of documents of Memorandum of Undertaking (MoU) with specialized Electrical/Mechanical Contractor on Rs.500/- Stamp Paper along with scanned certified copies of following documents:

- i) Municipal registered electrical contractors in Class "B" as per new registration rule 2016. The contractors who are not registered with BMC will have to submit the undertaking stating that He will apply for registering their firm within three months time period from the date of issue of work order.
- ii) The contractor shall have valid PWD's electrical contractors license and his own office setup in Mumbai/NaviMumbai/Thane area.

10. The packet 'B' shall contain scanned certified copies of documents stating details of Fire Fighting and Fire alarm contractor along with the Memorandum of Undertaking (MoU) on Rs.500/- Stamp Paper with the nominated sub-contractor. Firms dealing in the line of installations of Fire Fighting and fire detection / suppression systems enlisted with Directorate of Maharashtra fire services as eligible (as on the date of invitation of tender) licensing agency for SITC of Fire Fighting and fire detection / suppression systems and his own office setup at Mumbai/NaviMumbai/Thane area.

11. The bidder shall give undertaking on Rs 500/-stamp paper that it is his/their sole responsibility to arrange the required machineries either owned/on lease or hire basis, at site before start of the work

- i. **Regular and Routine works:** The successful bidder shall 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. The successful bidder and, to that effect he 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.
- ii. 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.

Note – Bidders shall submit the undertaking for equipment capabilities and other undertaking as such on a single Rs. 500/- stamp paper.

Insistence of availability of equipment's / plants at particular distance from site should not be made in the tender document.

12. Statement showing assessed available **Bid Capacity**.

**13. FORM OF TENDER**

**14.AGREEMENT FORM**

**15.ANNEXURE " A " & Irrevocable Undertaking**

**16.ANNEXURE " B "**

**17.ANNEXURE " C "**

**18.ANNEXURE " D "**

**19.ANNEXURE " E "**

20.Information of certificate issuing authorities.

21.The tenderers shall upload work plan as per the following outline

- 1. GANTT chart/ PERT / CPM chart showing the completion of work within prescribed time period considering measure activities.**
- 2. Organizational setup envisaged by the contractor.**
- 3. Plant & equipment proposed to be deployed for this work.**
- 4. Site Offices and Laboratories proposed to be set up.**
- 5. A note on how the whole work will be carried out (work plan including methodology)**
- 6. Quality management plan**
7. All the activities included in the Scope of Work shall be covered in the workplan.
8. Corrigendum /Addendum, if any.
9. Information on Litigation History (Proforma VII) in which the tenderer is involved – Proforma as below (MGC/F/6565 dtd. 25.09.2018.)

22.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 as per circular u/no.CA/FRD/I/65 of 30.03.2013.

23.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 as per circular u/no. CA/FRD/I/44 of 04.01.2013.

24.The Packet 'B' shall contained scanned certified copies of documents stating details of electrical/Mechanical contractor as per condition in Packet 'B'.

**Note:**

- The Electrical / Mechanical work shall be got carried out by the civil contractors through the contractors registered with BMC in **Electrical Category “A”**. Information about the registered contractors shall be obtained from the office of the Ch.E. (M&E)/ E.E. (Monitoring & Registration Cell). Attested scanned copy of the valid registration certificate in Electrical Category shall be uploaded with the tender along with the undertaking from the registered Electrical Contractor stating his willingness to carry out the tender work.
- 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 e-mail only and compliance required to be made within a time period of three working days otherwise they will be treated as non-responsive.

**"Details of Litigation History". (MGC/F/6565 dt. 25.09.2018)**

If there is no Litigation History, the bidder shall specifically mention that there is no Litigation History against him as per the clause of Litigation History. In case there is Litigation History, Litigation History must cover-

Any action of blacklisting, debarring, banning, suspension, deregistration and cheating with BMC, State Govt., Central Govt. or any authority under State or Central Govt./Govt. organization 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 last 5 years from the date of submission of bid about any action like show cause issued, blacklisting, debarring, banning, suspension, deregistration 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.

The successful bidder shall submit an undertaking on RS.500/- stamp paper mention that the work will be completed within in stipulated time period as mentioned in the tender. In case of not completing the work within the stipulated time period penalty will be recovered as per tender condition under circular no AMC/ES/2700 dtd 27.05.2019.

### **PACKET – C**

a. Online tender filled in either percentage plus or minus (above or below), or at par. (There is no separate provision to quote % in physical form, this is a part in Header Data of online Tendering). For Packet 'C' tenderer(s) will fill data in 'Item Data Tab' in Service Line Item via Details and quotes his percentage variation figures. **(If entered '0' it will be treated as 'at par'.** By default the value is zero only).

**Note: 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 bidder after demand notification by email to bidders by Dy.C.E.(B.C.)E.S. If the rate analysis submitted by L1 bidder is not acceptable with recorded reasons, the 10% amount of E.M.D will be forfeited. The format for rate analysis is annexed at Annexure D.**

**Internal grievance redressal mechanism will be governed as per circular no. Ch.E(V)/436/B dtd. 18.05.2023**

#### **Tax:**

**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 separable by BMC. However, while quoting the rates benefit of Input Tax Credit or Exemption shall be passed on to the BMC by way of equivalent reduction in quoted price.**

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

Internal grievance redressal mechanism circular (Ch.E(V)/436/B dtd. 18.05.2023.) will be applicable to the tender.

## **BID SECURITY OR EMD**

- The Bidder shall furnish, as part of the Bid, Bid Security/EMD, in the amount specified in the Bid Data Sheet. This bid security shall be in favour of the authority mentioned in the Bid Data Sheet and shall be valid till the validity of the bid.
  - The tenderers shall pay entire amount of EMD through payment gateway of GOM on URL <http://mahatenders.gov.in> vide Circular no. CA/Finance/Project/19 dtd. 04.03.2024
  - Any bid not accompanied by an acceptable Bid Security and not secured as indicated in sub-clause mentioned above, shall be rejected by the Employer as non-responsive.
  - 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 L2 bidder is agreeable to extend the bid validity period and ready to deposit the requisite amount of bid security/EMD and ASD to department within the stipulated time period i.e. 15 days, the department will process further as per normal procedure.
  - The Bid Security 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:
      - i. sign the Agreement; and/or
      - ii. Furnish the required Security Deposits.
1. No rejections and forfeiture shall be done in case of curable defects.

**Note:**

**Curable Defect shall mean shortfalls in submission such as:**

- a) **Non-submission of following documents,**
  - i. **Valid Registration Certificate**
  - ii. **Valid Bank Solvency**
  - iii. **~~Sales Tax Registration Certificate (VAT)~~/Good & Service Tax**
  - iv. **Certified Copies of PAN documents and photographs of individuals, owners, etc.**
  - v. **Partnership Deed and any other documents**
  - vi. **Undertakings as mentioned in the tender document.**
- i) **Non-curable Defect shall mean**
  - a) **In-adequate submission of EMD/ASD amount,**
  - b) **In-adequacy of technical and financial capacity with respect to Eligibility criteria as stipulated in the tender.**
  - c) **Wrong calculation of Bid Capacity, Refer circular u/no. Ch.E/BM/019919/I dtd. 07.01.2019**
  - d) **No proper submission of experience certificates and other documents, etc.**
  - e) **Non submission of rate analysis.**

❖ As per circular no CA/Finance/Project/19 dtd. 04.03.2024, revised guidelines for payment of EMD for tenders to be uploaded on Mahatender portal are as follows,

**I. Mode of payment of EMD:**

A tenderer shall pay entire amount of EMD through payment gateways of GOM on URL <http://mahatenders.gov.in> . The bidder shall upload scan copy 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.

**II. If Non-responsive :**

If the bidder is found non-responsive after scrutiny of packet A/B in such circumstances , **the bidder will be made non-responsive and financial packet C of non-responsive bidder will not be opened. However there will not be any forfeiture of EMD.**

**III. Shortfalls :**

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' and 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 with due approval of the concerned AMC.

**IV. Refund of EMD :**

- a. Except successful bidders, all others un-successful bidders 100% EMD paid online will be refunded automatically.
- b. The bid security of successful bidder will be discharged when the bidder has signed the agreement and/ or furnish required security deposits as elaborated in standard bid document.

**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 re-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.

## **DEFECT LIABILITY PERIOD**

- The Contractor is expected to carry out the construction work in Workmen like manner so as to meet the requirement and specification for the project. It is expected that the Workmanship and materials will be reasonably fit for the purpose for which they are required.
- Defects or defective work is where standard and quality of workmanship and materials as specified in the contract is deficient. Defect is defined as a failure of the completed project to satisfy the express or implied quality or quantity obligations of the construction contract. Defective construction works are as the works which fail short of complying with the express descriptions or requirements of the contract, especially any drawings or specifications with any implied terms and conditions as to its quality, workmanship, durability, aesthetic, performance or design. Defects in construction projects are attributable to various reasons.
- Some of the defects are structural defects results in cracks or collapse of faulty defective plumbing, inadequate or faulty drainage system, inadequate or faulty ventilation, cooling or heating systems, inadequate fire systems etc. The defects could be various on accounts of different reasons for variety of the projects.
- The Engineering In charge/Project Officer shall issue the practical completion certificate for the project. During the Defect Liability Period which commences on completion of the work, the Engineering In charge shall inform or the contractor is expected to be informed of any defective works by the Employer's representative of the defects and make good at contractor's cost with an intention of giving opportunity to the contractor of making good the defects appeared during that period. It is the contractor's obligation under the contract to rectify the defects that appear during Defect Liability Period and the contractor shall within a reasonable time after receipt of such instructions comply with the same at his own cost. The Engineering In charge/Project Officer shall issue a certificate to that effect and completion of making good defects shall be deemed for all the purpose of this contract to have taken place on the day named in such defect liability certificate.
- If defective work or workmanship or design have been knowingly covered-up or concealed so as to constitute fraud, commencement of the Defect Liability Period may be delayed. The decided period may be delayed until **discover** actually occurs or at least

the defect could have been discovered with reasonable diligence, whichever is earlier.

- The DLP shall be as below:

<b>Dept</b>	<b>Type of works</b>	<b>DLP</b>
<b>Roads / Bridge</b>	For cement concrete road/ Mastic works	5 years
	Asphalt work	3 years
	Paver Block	3 years
	Structural work	5 years
	General works	5 years
<b>BM/SIC/HIC</b>	General works	3 years
	Structural works	5 years
	Waterproofing works	5 years
<b>Ward Works</b>	All ward level works	2 years
<b>Other Works</b>	Pot holes and pre-monsoon bad patch repair work	1 year
<b>For other departments</b>	HE, WSP, SP, SWD, Garden	3 years
<b>For M&amp;E &amp; fire works</b>	Mechanical and Electrical works Fire fighting and detection works	1 year

- Also, in case of defect, the Engineer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at. The Defects Liability Period shall be extended for as long as Defects remain to be corrected. Every time notice of Defect/Defects is given, the Contractor shall correct the notified Defect/Defects within the duration of time specified by the Engineer's notice. The Engineer may issue notice to the Contractor to carry out removal of defects or deficiencies, if any, noticed in his inspection, or brought to his notice. The Contractor shall remove the defects and deficiencies within the period specified in the notice and submit to the Engineer a compliance report.



Ch.Eng.(M&E)	As per sanction u/no AMC/P/3224/ Dtd. 15/12/2016, DLP/Warranty for all the M&E works .	1 year
	Lift DLP as per BOQ item.	3 years

- It is the Completion Stage when the contractor has completed all of the works and fixed all of the defects that were on the list of issue by Engineer-in-charge. When this happens, the engineer must issue a ‘Certificate of Completion’. On the issue of ‘Certificate of Completion’, the ‘Defect Liability Period ‘starts. The contractor also must issue a ‘Certificate statement’ as an acknowledgment to the engineer not later than 14 days after the ‘Certificate of Completion’ has been issued. During the ‘Defect Liability Period’, the contractor has to obey all written instructions from the engineer to carryout repairs and fix any defects which appear in the Permanent Works. If the contractor does not ,due to his own faults finish the repair works or fix the defects by the end of ‘Defect Liability Period’, the ‘Defect Liability Period’ will continue until all works instructed by engineer is done.

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### **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 in Form of demand draft only in favour of “Brihanmumbai Municipal Corporation” within thirty days from the date of issue of letter of acceptance.

**II. Retention Money** – The contractor shall pay the retention money an amount equal to **five (5)** percent of the Contract Sum which will be recovered from the contractors every bill i.e. interim / running / final bill. ~~Retention Money shall be as per circular u/no. CA (F) /Project/ 21 dated 07.09.2020.(as attached in section 17 of the tender)~~

## **B. Additional Security Deposit**

As per directions of Dir (ES & P), in view of approval of AMC(ES) it is proposed to recover ASD as 2% for the rebate above 12%.

The **additional security deposit** will be applicable when a rebate of more than of 12 % at the rate of with no maximum limit. The ASD is calculated as follows:

Additional security deposit =  $2 (X/100) \times$  office estimated cost,

Where X=percentage rebate quoted above 12%

All the bidders are directed to submit the ASD as applicable in the form of demand draft, which is to be submitted within office hours one working day before opening of “packet C “ to respective Administrative officer i.e., A.O (B.C.) E.S. as the case may be in sealed envelope. If A.S.D is not applicable then the bidders shall submit sealed envelope mentioning on their letter heads ‘ A.S.D is not applicable’. If the bidders fail to submit the sealed envelope as mentioned above at least one working day before opening of “packet C” within office hours then the E.M.D of the respective bidders will be forfeited and bid will not be considered. Also the company with directors/Partners and other companies with the said directors/partners will be further debarred from any tendering process for the period of at least 2 years.

## **C. Performance Guarantee**

The successful tender, hereafter 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% * Contract Sum applicable for rebate of 12%
For Rebate 12.01% and above	PG= { 0.92% * 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 PG shall be paid in one 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 f in the prescribed form given in Annexure.

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.

**Note:** Following exceptions shall be adopted for 'Demolition Tenders':

- Irrespective of the offer (Rebate/ at par/ premium), ASD shall be differed and only PG of 10% of contract sum be taken from the successful bidder on award of contract only.
- BMC departments shall ensure to incorporate specific condition regarding above in bid document and e-tender notice-

## **D. Refund of Security Deposit**

### **I. Refund of Contract Deposit**

The Contract Deposit shall be released within 30 days after completion of 3rd year of DLP (in case of 5 years DLP) and after issue of 'Defect Liability Certificate' (in case of 1 or 2 or 3 years DLP) 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. No claim shall be made against the Balance Contract Deposit after the issue of Defects Liability Certificate.

### **II. Refund of Retention Money**

One-half (50%) of the Retention Money 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 section or part of the Permanent Works, only such proposition thereof as the Engineer determines (having regard to the relative value of such section or part of the Works) shall be considered by the Engineer for payment to the Contractor.

The balance Retention Money shall be released within 30 days after completion of 3rd year of DLP (in case of 5 years DLP) and after issue of 'Defect Liability Certificate' (in case of 1 or 2 or 3 years DLP) provided that the Engineer is satisfied that there is no demand outstanding against the Contractor. In the event of different Defects Liability Periods have been specified or become applicable to different sections or parts of the Permanent Works, the said moneys will be released within 30 days on expiration of

the latest of such Defects Liability Periods. Payment of the above mentioned 50% is exclusive of the amounts to be with held as stated in and that amount shall be paid as per condition stated therein.

~~The refund of Retention Money shall be as per circular No. CA (F) /Project/ 21 dated 07.09.2020 will be applicable to this tender and Tenderer/ Bidder is liable to comply this condition.(as attached in section 17 of the tender)~~

**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 section or part of the Permanent Works, only such proposition thereof as the Engineer determines (having regard to the relative value of such section or part of the Works) shall be considered by the Engineer 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 Defects Liability Certificate 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.

❖ Summary of time of Refund of deposit is tabulated as follows:

Time of Refund for works having 5 years DLP

Deposits refunded after completion	After 3yrs of DLP	After Completion of DLP
ASD + 50% of RM	CD+50% of RM	PG (Subject to finalization at final bill whichever is later)

Time of Refund for works having 1 or 2 or 3 years DLP

Deposits refunded after completion	After Completion of DLP
ASD + 50% of RM	CD& 50% RM+PG (Subject to finalization at final bill whichever is later)

\*Note:

- 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 6 months from the completion of defect liability period/ warranty period.

- b) It shall be the responsibility of the bidder to keep the submitted B.G. “VALID” for the stipulated time period in the tender & in case of its expiry it will attract penalization.
- c) 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 the end of Instructions to Bidders (ITB). 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 + Stationary Charges: (As per applicable circular)**

Successful tender shall pay the Legal Charges +Stationary charges as per Circular no legal department/ circular no परिपत्रकक्र.२६२०६दि. ३१-०८-२०२३

Contract Value						Legal + Stationary Charges
FROM	Rs	10,00,00,001/-	To	Rs	Any limit	Rs 55,000/- for first 10,00,00,001 /- and there after at the rate of 0.01% for remaining amount above 10,00,00,001 /- (Such amount should be in multiples of hundred only) + 18% GST

The tenderers are requested to note that stationary charges as given in the table above will be recovered from the successful tenderer 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 tenderer to pay stamp duty on the contract. Please refer letter of मुद्रांकजिल्हाधिकारीजा.क्र. अमल/ कार्याकगार/896/ 2016 regarding stamp duty on BG 0.50% on org BG as well as 0.50% on extended BG

- i. As per the provision made in Article 63, Schedule I of Maharashtra Stamp Act 2015, 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 :(please refer circular u/no Ch.E B.M/17800-II dt 07-01-2016)
- ii. Stamp duty at the rate of 0.5 % is payable on to the amount of B.G submitted by tenderer. If the time period of B.G is required to be extended then the same shall be consider on new B.G and 0.5 % stamp duty shall be applicable to the same

a	Where the amount or value set forth in such contract does not exceed rupees ten lakhs.	Five Hundred rupees stamp duty
b	Where it exceeds rupees ten lakhs	Five hundred rupees plus one hundred rupees for every Rs. 1,00,000/- or part thereof above Rs. 10,00,000/- subject to the maximum of Rs. 25,00,000/- stamp duty.

- iii. The successful bidder shall enter into a contract agreement with BMC within 30 days from the date of issue of Work Order and the same should be adjudicated for payment of Stamp Duty by the successful bidder.
- iv. 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.
- v. All legal charges and incidental expenses in this respect shall be borne and paid by the successful tenderer.

## **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. Applicants/Bidders shall refer <http://mahatenders.gov.in> for “The Manual of Bid-Submission for Percentage Rate/Item Rate Tender Document.” The detail guidelines for creation and submission of bid are available in the referred document. Any queries or request for additional information concerning this TENDER shall be submitted by e-mail to [ae05dyce.bces@mcgm.gov.in](mailto:ae05dyce.bces@mcgm.gov.in) The subject shall clearly bear the following identification/ title: "Queries/ Request for Additional Information: TENDER for ***“Proposed development of Fire Station with allied activity on plot bearing no. 216(pt) 217,218(B), 219(B),220(B) and 267(C) of village Kurla for Kurla Fire Station, L.B.S. Road in ‘L’ ward.”*** Any changes in mail ID will be intimated on the portal.
3. In case of **Equal Percentage** of lowest bidders (L1), the allotment of work shall be done by giving 48 hrs (**2 working days**) from the day of opening of packet C **on same BID-Document number for re-quoting** and such development needs to be done by IT department in Mahatender system. **Till such development is made; ‘Sealed Bids’ shall be called from the bidders quoting the same rates i.e. L1.**

In case of equal percentage of lowest bidders is obtained even after re-quoting, then the successful bidder will be decided by lottery system by Dy. City Engineer (Building Construction) Eastern Suburb.

The bidder shall need to submit the additional ASD if applicable within 7 days after receipt of notification issued by concerned Chief Engineer.

Also, the Performance Guarantee shall be paid in 15 days after receipt of Letter of Acceptance.

Technical specification for USOR 2023 items are available on BMC portal.

## Categories and classes available for Civil Contractors

**New registration.**

**Minimum Financial requirements for Civil Engineering Discipline (Rs. In Lakh)**

Sr.No.	Class	Upper Limit of Tendering	Minimum Solvency
1	I(A)	Without Limit	200
2	I(B)	2500	175
3	I(C)	1500	150
4	II	750	100
5	III	300	75
6	IV	150	40
7	IV(A)	90	25
8	V	50	15
9	V(A)	30	8
10	VI	15	2
11	VII	10	1
12	VIII	5	0.50
13	IX	3	0.25

**Old registration**

Category	Class	Description of Work
Building	C-I	Building and allied works, pile foundation, precast or cast in situ concrete works, diaphragm walls, ground anchors and allied works, water proofing, leak proofing of various types of structures.
Bridges	C-II	Bridges including road over bridges, flyover / foot over bridges, subways and culverts.
Roads	C-III	Road works of various types including storm water drains, culverts and training/desilting of nallas, underground storm water drains.
Water Supply	C-IV	Laying of water mains, rising mains, water pumping stations, reservoirs, head works.
Sewerage	C-V	Laying of sewers, rising mains and underground storm water drains, sewage pumping stations, treatment plants, outfalls etc.,



**Classes available according to the limits of works, amount of solvency, Registration fees prescribed for each class.**

Class	Works Limit	Solvency	Scrutiny	Registration	Renewal Fees
	Rs.	Rs.	Rs.	Rs.	Rs.
AA	Without limit	60	2000	4000	2000
A	Upto 3 Crore	30	2000	4000	2000
B	Upto 1 Crore	20	1000	2000	1000
C	Upto 50 lakhs	15	1000	2000	1000
D	Upto 25 lakhs	10	1000	2000	1000
E	Upto 10 lahs	5	1000	2000	1000

**Categories and classes available for M&E Contractors**

**As per Registration Rules 2016:-**

**Minimum Financial requirements for M&E Engineering Discipline (Rs. In Lakh)**

Sr No	Class	Amountsum to whichworksc an be takenup	Minimum Solvency	Work completed in last 3 years	Average turnover ofworkdone duringlast 3 years	Estimatedcos tofworkinhan d duringcurren t year
1	2	3	4	5	6	7
1	A	Without Limit	8	60	20	40
2	B	25	4	30	10	30
3	B-1	15	3	18	6	16
4	C	10	3	18	6	15
5	D	7.5	1.5	9	3	8
6	E	2	0.5	3	1	1.75

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# **SECTION 7**

## **SCOPE OF WORK**

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## **SCOPE OF WORK**

**Site Location:** Proposed development of Fire Station with allied activity on plot bearing no. 16(pt) 217,218(B), 219(B),220(B) and 267(C) of village Kurla for Kurla Fire Station, L.B.S. Road in 'L' ward.

The scope of work will includes civil work, electrical work and horticultural works. The same is as follows:

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 and bridges and Building Construction etc.

- The project work includes all types of Civil work in broad scope for constructing Fire Station building, Officers and Staff Quarters, Drill Tower, Security cabin, Pump Room, & allied works, etc in all respect.
- Proposed construction of Fire Brigade Station with total gross Built-Up Area ad-measuring 2006.71 sqm. comprises of
  - ✓ Fire station Building (Building no 1) – Ground +3 Floors,
  - ✓ Staff quarters building (Building no 2)- Ground + 3 Floors,
  - ✓ Drill tower- Ground + 4 Floors,
  - ✓ Security cabin, Pump Room, &over head tank, underground tank, Rain water harvesting tank, compound wall & allied works, etc.

### **Civil Works:-**

- 1) RCC framed structures as per the drawings and design submitted by the Structural Consultant M/s Nayan Dholakiya
- 2) Brick work for partition wall as per the approved architectural drawings.
- 3) Internal plaster of 20 mm thick with neeru finish in two coats.
- 4) External sand faced cement plaster 25 mm thick in two coats.
- 5) Providing vitrified flooring with natural stone strips at entrance and lobby area, mirror polished Kotta stone flooring, anti skid ceramic tiles in toilet area etc as per the approved architectural drawings.

6) Providing and Fixing doors having Teakwood frame with flush double shutters, single & double leaf flush commercial door with Teakwood frame, single shutter FRP frame & shutter and Mild Steel collapsible gate.

7) Providing and Fixing windows of two, three & four track aluminium anodised sliding window with frosted & texture glass fixed in shutter, aluminium louvered window, Top/side hung window as per the approved architectural drawings.

8) Granite sills & jams for windows/doors.

9) Internal Painting with luster paint at all internal areas except at godown, meterroom, lift machine room, electric duct, stair room and Acrylic based exterior paint at godown, meter room, lift machine room, electric duct, stair room and all external walls.

10) Mirror polished Granite stone for all risers and treads with grooves at all staircases.

11) Sanitary fixture in toilet/washing area as per approved architectural drawings.

12) Waterproofing treatment at terrace by brick bats laid in cement mortar with broken China mosaic flooring, crystalline waterproofing treatment to inside surfaces for Underground Water tank & Over head tank and water proofing compound at toilet areas, & chajja & washing area.

13) For Building no.1, Underground water tank i.e. flushing tank (5625 lit), domestic tank (10125 lit), Overhead water tank wing A i.e. flushing tank (7800 lit), domestic tank (9800 lit), Overhead water tank wing B i.e. flushing tank (6900 lit), domestic tank (9900 lit).

For Building no.2, Underground water tank i.e. flushing tank (4500 lits), domestic tank (4500 lits), Overhead water tank i.e. flushing tank (4600 lits), domestic tank (4600 lits), Fire fighting tank (30100 lits) & Rainwater harvesting tank (39600lits).

14) Demolishing existing damaged compound wall and reconstructing the same with Reinforced Cement Concrete pier and brickwork along with Plastering & painting work of compound wall.

15) Constructing internal road in Cement Concrete pavement.

16) Arrangement for disposal of sewerage by providing sewer line/Inspection Chamber as per remarks of SP department.

17) Provision of storm water drain. All layouts of storm water drains are as prescribed by SWD department in their remarks & internal channel drain with MS grating.

18) Rain water harvesting system as per remarks of RWH dept.

29) Laying and fixing of water supply lines as per loop design of AE (WW).

### **M&E Works:-**

- 1) Electrical wiring in casing & capping with Light and Fan Fixture.
- 2) Fire fighting system- The work of fire fighting&Fire detection as per CFO's remarks.
- 3) 48-60 W LED Street light fittings are considered for buildings (building no 1 , building no 2 and Drill tower) periphery.
- 4) D G Sets- D G set of 30 KVA capacity for Building no. 1( A wing)- 1 no, Building No. 1( B Wing) -1 no and for Building no. 2 -1 no.
- 5) Public Address System for Building No 1 & Building No 2 .
- 6) SITC of Lifts:- Passenger's lift, G+3 floors having capacity of 08 nos of passengers are considered with three years DLP as per remarks of CFO.  
For Building no 1 A wing:- 1 No.  
For Building no 1 B wing:- 1 No. and  
For Building No 2:- 1 No.
- 7) CCTV at peripheral & entry points of each floor are considered for Building No 1 and building no 2.
- 8) Lightening Arrestor for both the buildings.
- 9) Submersible pumps for overhead Domestic and flushing Tanks.
- 10) Garden poles & octagonal poles with LED street lights of 70-90 W. are considered.

### **Horticultural Works:-**

- The work may consists of cutting, transplantation, plantation of trees as per the NOC issued by Tree Authority. However NOC from tree authority is awaited. Item related to tree cutting / transplantation are considered in the estimate as per site condition and plans from M.A.
- **Site Location:** CTS no.216(pt) 217,218(B),219(B), 220(B) and 267(C) of village Kurla at L.B.S. Road in 'L' ward.
- **Contractor to inspect the site before filling the tender**

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**SECTION 8**

**BILL OF QUANTITIES**

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**Proposed layout of Fire Station with allied activity on plot bearing C.T.S. No. 216(Pt.), 217, 218(B), 219(B), 220(B), and 267(C) of Village Kurla for Kurla Fire Station, L.B.S. Road, in L Ward (Part A)**

**CIVIL WORK**

SR.NO	ITEM No.	DESCRIPTION	TOTAL QTY.	RATE	UNIT	AMOUNT
1	R3-CS-EW-1	Excavation for foundations, substructures, basements, tanks, sumps, walls, chambers, manholes, trenches, poles, pits & general building works in all types of soils, vegetable earth, soft murum, running sand, shingle, turf clay, loam, peat, ash, shale, slag, chalk, garbage, muddy/ marshy/ slushy soil, marine clay, reclaimed land etc. for depths/lifts upto 1.5M measured from the ground level, including dressing/ trimming the sides, leveling and ramming of bottoms, manual dewatering, removing rank vegetation, backfilling in layers not more than 200mm thickness, watering, consolidating, compacting to achieve not less than 97% Modified Proctor density conforming to relevant IS, stacking theselected material in measurable heaps for future use within owners space ordisposing within an initial lead of 150m as directed, loading, unloading, leveling excluding shoring, strutting etc. complete as directed by Engineer-in-Charge. Note:1) The rate includes the handling/supporting the existing utilities such as cables, drains, pipes, water mains etc. 2) It also includes the royalty and other taxes applicable if any. For more details refer General Notes.	3803.00	387	CUM	₹ 14,71,761
2	R3-CS-EW-2-a	Extra over above item CS-EW-1,15 &16 for lift from 1.5m to 3.0m.	481	91	CUM	₹ 43,771
3	R3-CS-EW-2-b	Extra over above item CS-EW-1 for lift from 3.0m to 4.5m	59	137	CUM	₹ 8,083
4	R3-CS-EW-26	Providing & Laying dry stone Rubble Soling with average 230 mm size hard stone set in regular lines, handpacked and interstices thoroughly filled with small chips including filling in with good quality murum brought from outside, compacting with iron rammers, watering, sand spreading 12mm thk. layer of grit on top etc complete as directed by Engineer In Charge. (Note: The rate includes the royalty and other taxes if any)	360	2434	CUM	₹ 8,76,240
5	R3-CS-CW-1-a	Providing and laying in position plain cement concrete or specified grade cement with rap/granite/quartzite/gneiss metal mixing in concrete mixer including bailing out water, compacting, finishing surface, curing and including the cost of centering and shuttering at all level : Nominal Mix of 1:1.5:3 (1 cement OPC: 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	233	7467	CUM	₹ 17,39,811
6	R3-CS-CW-7-a (**, ***)	Providing and laying in position ready mixed design mix M-20 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying and the cost of centering, shuttering, finishing and excluding reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. The Mix design as per particular specifications shall be got approved by Engineer-in-Charge before execution of the item. The rate shall include cost of all specified materials and operations at all levels and heights, including the cost of centering, shuttering and and excluding reinforcement which shall be paid under relevant item. (Note :- Cement content considered in this item is @ 300 kg/cum as per IS 456 table showing minimum cement content. No extra will be paid nor any amount will recovered on account of variation of cement in mix design as per specifications for controlled concrete). All works (including Centering & Shuttering) Foundations, footings, bases of columns, rafts, pilecap	225	7056	CUM	₹ 15,87,600
7	R3-CS-CW-7-b (**, ***)	Providing and laying in position ready mixed design mix M-20 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying and the cost of centering, shuttering, finishing and excluding reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. The Mix design as per particular specifications shall be got approved by Engineer-in-Charge before execution of the item. The rate shall include cost of all specified materials and operations at all levels and heights, including the cost of centering, shuttering and and excluding reinforcement which shall be paid under relevant item. (Note :- Cement content considered in this item is @ 300 kg/cum as per IS 456 table showing minimum cement content. No extra will be paid nor any amount will recovered on account of variation of cement in mix design as per specifications for controlled concrete). All works (including Centering & Shuttering) Walls (any thickness) including attached butteresses, retaining wall, shear wall, diaphragm wall , trench, pit walls, etc	236	10793	CUM	₹ 25,47,148

SR.NO	ITEM No.	DESCRIPTION	TOTAL QTY.	RATE	UNIT	AMOUNT
8	R3-CS-CW-7-c (**, ***)	Providing and laying in position ready mixed design mix M-20 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying and the cost of centering, shuttering, finishing and excluding reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. The Mix design as per particular specifications shall be got approved by Engineer-in-Charge before execution of the item. The rate shall include cost of all specified materials and operations at all levels and heights, including the cost of centering, shuttering and and excluding reinforcement which shall be paid under relevant item. (Note :- Cement content considered in this item is @ 300 kg/cum as per IS 456 table showing minimum cement content. No extra will be paid nor any amount will recovered on account of variation of cement in mix design as per specifications for controlled concrete). All works (including Centering & Shuttering) Slabs, Suspended floors, roofs, landings, balconies, canopy and access platform	371	12270	CUM	₹ 45,52,170
9	R3-CS-CW-7-d (**, ***)	Providing and laying in position ready mixed design mix M-20 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying and the cost of centering, shuttering, finishing and excluding reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. The Mix design as per particular specifications shall be got approved by Engineer-in-Charge before execution of the item. The rate shall include cost of all specified materials and operations at all levels and heights, including the cost of centering, shuttering and and excluding reinforcement which shall be paid under relevant item. (Note :- Cement content considered in this item is @ 300 kg/cum as per IS 456 table showing minimum cement content. No extra will be paid nor any amount will recovered on account of variation of cement in mix design as per specifications for controlled concrete). All works (including Centering & Shuttering) Lintels, beams, plinth beams, girders, floor beam, coping.	342	9506	CUM	₹ 32,51,052
10	R3-CS-CW-7-e (**, ***)	Providing and laying in position ready mixed design mix M-20 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying and the cost of centering, shuttering, finishing and excluding reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. The Mix design as per particular specifications shall be got approved by Engineer-in-Charge before execution of the item. The rate shall include cost of all specified materials and operations at all levels and heights, including the cost of centering, shuttering and and excluding reinforcement which shall be paid under relevant item. (Note :- Cement content considered in this item is @ 300 kg/cum as per IS 456 table showing minimum cement content. No extra will be paid nor any amount will recovered on account of variation of cement in mix design as per specifications for controlled concrete). All works (including Centering & Shuttering) Columns, Pillars, Piers, Posts and Struts.	218	11568	CUM	₹ 25,21,824

SR.NO	ITEM No.	DESCRIPTION	TOTAL QTY.	RATE	UNIT	AMOUNT
11	R3-CS-CW-7-f (**, ***)	Providing and laying in position ready mixed design mix M-20 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying and the cost of centering, shuttering, finishing and excluding reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. The Mix design as per particular specifications shall be got approved by Engineer-in-Charge before execution of the item. The rate shall include cost of all specified materials and operations at all levels and heights, including the cost of centering, shuttering and and excluding reinforcement which shall be paid under relevant item. (Note :- Cement content considered in this item is @ 300 kg/cum as per IS 456 table showing minimum cement content. No extra will be paid nor any amount will recovered on account of variation of cement in mix design as per specifications for controlled concrete). All works (including Centering & Shuttering) Stairs (waist slab), folded slab, inclined slab	48	11718	CUM	₹ 5,62,464
12	R3-CS-CW-16 (**, ***)	Extra and over for providing richer RMC of M-25 grade cement concrete instead of M20 (Note :- Cement content considered in this item is @ 330 kg/cum as per IS 456 table showing minimum cement content.) 7a,7b,7c,7d,7e,7f (RESPECTIVELY) 222+244+371+343+217+48=1440.00 CUM	1440	560	CUM	₹ 8,06,400
13	R3-CS-CW-35-c (**, ***)	Providing and fixing in position steel bars reinforcement of various diameters for R.C.C. pile, pile caps, footings, raft, retaining wall, shear wall, lift wall, foundations, slabs, beams, columns, canopies, staircases, newels, chajjas, lintels, pardies, coping, fins, arches, etc. as per detailed designs, Thermo-Mechanically Treated steel bars. (Fe 500 D)	239.66592	80080	MT	1,91,92,447
14	R3-CS-PLG-1-1-C	Providing and Casting RCC bored cast in-situ Vertical as per IS 2911 (Part 1, Section 2) by boring through all kinds of soils/ Sand /Rock by rotary hydraulic rigs using temporary casing up to stable strata / bentonitemud circulation as specified, from tip to cut-off elevation of piles. Reinforced Cement Concrete work of filling the bore (after placement of reinforcement cage as per drawing) with M25 grade Ready Mix Concrete using 43 Grade Ordinary portland Cement conforming to IS : 8112, of approved make and brand with minimum cement content of 400 kg/m <sup>3</sup> and with water -cement ratio, including the water contained in aggregates (10mm to max 20mm size), not exceeding 0.45, with approved plasticizer as specified, including placing of concrete from tip to minimum of 600mm above the specified cutoff level, breaking pile head to cutoff level and exposing pile reinforcement for embedment in pile cap, Disposing & levelling of bored/excavated material suitably at locations approved by the local authorities including all lead and lifts, all complete for piles having diameter of (Pile will be measured for payment for length between pile tip to cut-off level along the pile axis. Reinforcement shall be Note : Cost of temporary casing s phaaidl bsee inacruarterelyd) by the Contractor. 500mm	1938	4787	RMT	₹ 92,77,206
15	R3-CS-PLG-5.1	Providing and installing in position permanent M.S. liners for piles of specified diameter and fabricated from 6.0mm to 8.0mm thick plates as per detailed drawings and designs including cutting, bending to required shape, welding, painting with Red Oxide paint etc. complete as specified and directed.	269.03	90372	MT	₹ 2,43,12,720
16	R3-CS-PLG-14.2	Carrying out integrity test on piles of various diameters as per standard procedure and submitting reports.	204	2200	NOS	₹ 4,48,800
17	R3-CS-PLG-16.3	Conducting Initial Load Test (Compression) up to maximum test load of 2.5 times the safe load capacity on single pile as specified in accordance with IS 2911 part-4 including preparation of pile head for testing, necessary excavation, jacks, kentledge, accessories, measuring devices, recording of results, labour, submission of test report etc. complete, but excluding the cost of installation of pile (insallation of pile shall be paid seperately) etc. all complete as per the specification, drawing and as directed by the Engineer in charge for the following for vertical compression test:- 500mm	1	440000	NOS	₹ 4,40,000
18	R3-CS-PLG-17.3	Carrying out Initial Lateral Load Test on vertical (Initial/test) piles up to maximum test load of 2.0 times the safe lateral load capacity on single pile as specified in accordance with IS 2911 part-4 including all necessary arrangements such as jacks, measuring devices, etc. complete as required. (For this test if adjoining piles is used for drawing support for test then the arrangements shall be made to record deflection, submission of test report etc. of both the piles. However, testing both these piles will be considered as one test only. Providing and installing test piles measured seperately) 500mm	1	275000	NOS	₹ 2,75,000

SR.NO	ITEM No.	DESCRIPTION	TOTAL QTY.	RATE	UNIT	AMOUNT
19	R3-CS-PLG-19.3	Conducting Routine Load Test (Compression) on single working pile up to maximum test load of one and a half times the safe load capacity as specified in accordance with IS 2911 part-4 including the preparation of pilehead for testing, necessary excavation, providing all arrangements of loading and unloading in the form of kentledge or anchor piles, test equipments/accessories, jacks, labours, recording of results, submission of test report etc. but excluding the cost of job pile complete as per the specification, drawing and as directed in charge for the following for vertical compression test by cyclic load 500 mm	1	434500	NOS	₹ 4,34,500
20	R3-CS-PLG-19.10	for vertical compression test 500mm	1	429000	NOS	₹ 4,29,000
21	R3-CS-PLG-20.3	Carrying out Lateral Load Test on single working pile up to maximum test load of one and half times the safe load capacity as specified in accordance with IS 2911 part-4 including all necessary arrangements such as jacks, measuring devices, submission of test report etc. complete as required. (For this test two working piles will be considered as test piles. Arrangements shall be made to record deflection, etc. of both the piles. However, testing both these piles will be considered as one test only. 500 mm	2	275000	NOS	₹ 5,50,000
22	R3-CS-EW-11	Filling in plinth, floors, trenches, pits with approved excavated materials, murum / good earth in layers not exceeding 200mm including breaking of clods, watering, consolidating each layer in filled up area by rolling and compacting with roller/ plate compactor as required to achieve not less than 97% modified proctor density conforming to relevant IS etc. complete as directed by Engineer In charge. Note: 1) The rate includes the royalty and other taxes if any	205	236	cum	₹ 48,380
23	R3-RW-2-21	Providing & laying ,spreading & compacting specified crushed stone in granular sub base course including premixing the material in mechanical mixer (pug millor approved type), spreading of mixed material in uniform layer of 100mm to 75mm (compacted thickness each) with motor grader or paver on prepared murum surface & compacting with 10 tonne vibratory roller to achieve desired density including all material, labour, machinery, lighting barricading to all lifts & lead maintenance of diversion etc. complete (metal gradation from 75mm to 75micron as per prevailing MCGM specification for Roadwork clause no.210).	255	2702	cum	₹ 6,89,010
24	R3-RW-2-20	Providing & laying, spreading & compacting graded crushed stone aggregate to wet mix macadam satisfaction including premixing the material with water to OMC in mechanical mix (pug mill) carriage of mix material by tipper to site laying in uniform layer of 75mm to 100mm (compacted thickness each) with sensor paver finisher on prepared subbase & compacting with vibratory roller (10 tonne) to achieve desired density including lighting, guarding barricading & maintenance of diversion etc. as directed by the Engineer, ( Rebate for not using sensor paver should be taken, (metal gradation from 53mm to 75mm micron as per MCGM Road Specifications clause no.240).	155	3338	cum	₹ 5,17,390
25	R3-RW-10-28	Providing and laying Dry Lean Concrete base including providing coarse and fine aggregate to the specified gradation using minimum cement content 150 kg/cum of concrete with OPC 43 grade cement, mixing of concrete as per approved design mix using mechanised batch mix plant of appropriate capacity, transporting and laying with self propelled paver with electronic sensor device and compacting with vibratory roller of minimum 80- 100 KN static weight to give desired compacted density and average compressive strength of 10 MPa at 7 days and curing with liquid curing compound and sprinkling water and covering with moist hesian cloth or ponding of water for 7 days including providing construction joints, including all material, labour, machinery with all leads and lifts etc. complete as specified and as directed by the Engineer. B) Laying by paver with electronic sensor device	145	5183	cum	₹ 7,51,535
26	R3-RW-10-29	Providing & laying M-40 C.C. avg. compressive strength 45MPa and avg. flexural strength of 5.0MPa (As per IRC 15- 2002. N. 1.6 ) procured from M.C.G.M. approved R.M.C. plant including use of approved make plasticizer/ retarder & Contractor swater with ice flakes and transported by transit mixer and placing at work site. Compacting finishing, initial curing by approved curing compound & Contractors water and tarring the sides of slab with hot bitumen as specified and directed (w/c ratio 0.4 maximum) (vata for curing will be paid separately.) (MINIMUM CEMENT CONTENT 350 kg/m³)	270	7962	cum	₹ 21,49,740
27	R3-RW-10-14	Providing & laying waterproof paper of 40 GSM including overlap (to be not less than 10cm) etc. complete as specified as directed.	1015	41	SQM	₹ 41,615

SR.NO	ITEM No.	DESCRIPTION	TOTAL QTY.	RATE	UNIT	AMOUNT
28	R3-RW-10-15	Providing & constructing cement vatas in c/m 1:10 at 0.6m*0.6m c/c admeasuring 0.09m at bottom, 0.04 mat top & 0.075m deep & maintaining the same throughout 14 days curing & removing the same thereafter as directed.	1015	75	SQM	₹ 76,125
29	R3-RW-10-08	Cutting of construction & dummy joints of M 35 C.C.& above slab by mechanical means within 10 to 16 hrs of casting of bay/ slab as directed. B) Longitudinal construction joints 100mm deep or 1/3rd thickness of slab & 6 mm wide	250	84	RMT	₹ 21,000
30	R3-RW-10-10	Providing & placing 5mm thick thermocol in dummy & construction joints immediately after cutting of joints & removing the same before dressing of dummy & construction joints etc. complete, as directed.	250	88	SQM	₹ 22,000
31	R3-RW-10-09	Providing & fixing in position premoulded asphalt filler 12 mm thick conforming to I.S. 1838 of 1983 for placing of the expansion joint, around manholes & water entrances, etc. put to the required depth & 25 mm below the camber, etc. complete as directed.	19	364	SQM	₹ 6,916
32	R3-RW-10-21	Dressing of M-35 & above new C.C.pavement, dummy, transverse, longitudinal & expansion joints with hot rubberised sealing compound conforming to IS 1834-1984 after proper cleaning with compressed air, applying required primer & providing a layer of lime powder over hot sealing compound etc. complete as directed. C) Sealing of 25mm wide expansion joints with avg. depth of 12mm.	328	73	RMT	₹ 23,944
33	R3-RW-10-07	Cutting of construction & dummy joints of M-35 C.C.& above slab by mechanical means within 10 to 16 hrs of casting of bay/ slab as directed. A) transverse dummy joints 100 mm deep or 1/3 thickness of concrete pavement & 6 mm wide.	250	84	RMT	₹ 21,000
34	R3-RW-10-19	Dressing of M-35 & above new C.C.pavement, dummy, transverse, longitudinal & expansion joints with hot rubberised sealing compound confirming to IS 1834-1984 after proper cleaning with compressed air, applying required primer & providing a layer of lime powder over hot sealing compound etc. complete as directed. A) Sealing 6mm wide dummy/ transverse joints with a depth of 100mm or 1/3rd thickness of concrete pavement.	250	108	RMT	₹ 27,000
35	R3-RW-10-20	Dressing of M-35 & above new C.C. pavement, dummy, transverse, longitudinal & expansion joints with hot rubberised sealing compound conforming to IS 1834- 1984 after proper cleaning with compressed air, applying required primer & providing a layer of lime powder over hot sealing compound etc. complete as directed. B) Sealing of 6mm wide longitudinal joint with depth of 100mm or 1/3rd thickness of concrete pavement.	166	108	RMT	₹ 17,928
36	R3-RW-10-11	Providing & fixing high density polythene pipe of approved quality to fit around the dowel bars of 32mm dia at the end of expansion joints, fully greased inside, cotton waste in the pipe around the dowel bars & the pipe duly capped at the end as directed. (H.D.P. pipe shall be 30cm in length). As shown in the drawing.	78	31	EACH	₹ 2,418
37	R3-RW-10-44	Providing and fixing of cement concrete Kerb Stone of various grades of size: 500mm width x 325 height x 165mm thick (Half Batter, Bull Nose/ Full Batter) manufactured in wet press vacuum dewatering technology plant / equivalent with face pimple finish for high visibility with excellent quality and finish and edges perfect and sharp. Grade – M-25 including excavation in any soil except rock, laying a leveling course of M 15 grade RMC 100mm thick to required slope (inclusive of form work), jointing in C.M. 1:2 proportion flush to concrete surface, painting exposed surface with one coat of primer and two coats of 1st grade road marking paint in the yellow/ white/ black or any shade as directed. (Kerbstones shall be procured from BMC registered agencies).	280	1123	RMT	₹ 3,14,440
38	R3-RW-10-13	Providing & fixing in position M.S.dowel bars of 32 mm dia 55cm long & 600cm C/C whenever directed including handling, fixing, etc. complete (no extra payment will be made for applying bitumen & grease to dowel bars)	0.271	99657	TON	₹ 27,007
39	R3-RW-10-12	Providing & fixing in position mild steel in tie bars of 12mm dia 55cm long & 45cm C/C whenever directed including handling, wrapping with paper for half length, fixing straightening, wastage etc. complete in all respect as directed.	0.328	70944	TON	₹ 23,270

SR.NO	ITEM No.	DESCRIPTION	TOTAL QTY.	RATE	UNIT	AMOUNT
40	R3-CS-EW-12	Filling in plinth, floors, trenches, pits with approved contractor's murum in layers not exceeding 200mm including breaking of clods, watering, consolidating each layer in filled up area by rolling and compacting with roller/ plate compactor as required to achieve not less than 97% modified proctor density conforming to relevant IS etc. complete as directed by Engineer In charge. The rate includes necessary soil testing charges at laboratory & field as per relevant I.S. codes, royalty, octroi and other taxes if any. (Note: Borrow areas selected by CONTRACTOR shall be got approved from Engineer In Charge, before executing the work) 1) The rate includes the royalty and other taxes if any.	735	1038	cum	₹ 7,62,930
41	R3-CS-PS-213-c	Supplying & fixing 40 mm thick DI heavy Rain water grating over storm water channel of heavy duty. c) 600 x 600 MM (600wide)	168	15083	NOS	₹ 25,33,944
42	R3-CS-PLG-1-1-d	Providing and Casting RCC bored cast in-situ Vertical as per IS 2911 (Part 1, Section 2) by boring through all kinds of soils/ Sand /Rock by rotary hydraulic rigs using temporary casing up to stable strata / bentonite mud circulation as specified, from tip to cut-off elevation of piles. Reinforced Cement Concrete work of filling the bore (after placement of reinforcement cage as per drawing) with M25 grade Ready Mix Concrete using 43 Grade Ordinary Portland Cement confirming to IS : 8112, of approved make and brand with minimum cement content of 400 kg/m3 and with water -cementratio, including the water contained in aggregates (10mm to max 20mm size), not exceeding 0.45, with approved plasticizer as specified, including placing of concrete from tip to minimum of 600mm above the specified cutoff level, breaking pile head to cutoff level and exposing pile reinforcement for embedment in pile cap, Disposing & levelling of bored/excavated material suitably at locations approved by the local authorities including all lead and lifts, all complete for piles having diameter of 600 mm (Pile will be measured for payment for length between pile tip to cut-off level along the pile axis. Reinforcement shall be paid separately) Note : Cost of temporary casing shall be incurred by the Contractor.	693	5517	Rmt	₹ 38,23,281
43	R3-CS-PLG-2-2-d	Extra over rate for items CS-PLG-1 & 2 for using M30 instead of M 25	693	62	Rmt	₹ 42,966
44	R3-CS-PLG-14.3	Carrying out integrity test on piles of various diameters as per standard procedure and submitting reports.	60	2750	No.s	₹ 1,65,000
45	R3-CS-PLG-21.5	Conducting routine vertical load test for 1.5 times safe load carrying capacity by means of High Strain Dynamic Load Test including provision and erection of crane-hammer-drop mechanism, acceleration and displacement velocity transducers	2	176000	No.s	₹ 3,52,000



SR.NO	ITEM No.	DESCRIPTION	TOTAL QTY.	RATE	UNIT	AMOUNT
<b>GENERAL ITEMS BOQ</b>						
46	R3-RW-7-19	Transplantation of existing trees of girth of all dia. including uprooting and shifting of the tree and placing in pits of suitable size and after transplanting, removal of excavated earth to desired location, filling the pit with red earth, manure, watering etc. complete with all leads, lifts, including maintenance for 3 years. The item also includes back filling of the trench taken for exposing the root system of the tree proposed to be transplanted etc. complete as directed by Engineer-in-charge.	2	7242	Per No.	₹ 14,484
47	R3-RW-7-20	Cutting down of tree having diameter above 50 mm & Upto 150 mm	5	587	Each	₹ 2,935
48	R3-CS-AT-1	Providing Pre-constructural anti-termite treatment conforming to IS- 6313 (part II) using chloropyrifos EC 20 Emulsion or equivalent of 1% concentration by weight for creating barrier under and all around foundation pits, wall trenches, basement excavation, backfill in immediate contact with foundation and treating the top surface of plinth filling, junction of wall & floor, along the external perimeter of building, expansion joints, surrounding of pipes, water conduits and at places suggested and as directed by Engineer-In-Charge covering 10 years guaranty. (plinth area should be considered for measurement and payment.)	894	187	Sqm	₹ 1,67,178
49	R3-CS-CW-6-a	Providing precast cement concrete Jali of Nominal Mix 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6mm nominal size) reinforced with 1.6 mm dia mild steel wire including centering and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete excluding plastering of the jambs, sills and soffits. 100 mm thick	316	3055	Sqm	₹ 9,65,380
50	R3-CS-MW-3-c	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 3.5 and above in superstructure above plinth level upto floor five level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)	1085	10488	Cum	₹ 1,13,79,480
51	R3-CS-MW-11-b	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 3.5 and above in superstructure above plinth level up to floor V level Cement mortar 1:4 (1 cement :4 coarse sand)	303	1178	Sqm	₹ 3,56,934
52	R3-CS-PL-02	Providing and applying 6 mm thick internal ceiling plaster in cement mortar 1:3 with neeru finish at all heights and locations in single coat for concrete surfaces including scaffolding, hacking of concrete surface, watering, finishing, curing etc. complete.	2193	382	Sqm	₹ 8,37,726
53	R3-CS-PL-09-C	Providing and applying 20 mm thick internal plaster with neeru finish at all heights and locations in cement mortar specified below in two coats for masonry (except stone masonry) and concrete surfaces including racking out joints, hacking of concrete surface, watering, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. In cement mortar 1:4	3687	615	Sqm	₹ 22,67,505
54	R3-CS-PL-17-c	Providing and applying 25 mm thick external sand faced cement plaster with neat cement rendering upto 10m from ground level and at all locations in cement mortar proportion specified below in two coats for masonry (except stone masonry) and concrete surfaces including providing water proofing compound to the first coat of plaster as per manufacturers specification, racking out joints, hacking of concrete surface, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. Min. time lag between two coats shall be 24 hours. (as per IS 2402 of 1963.) In Cement mortar 1:3	3999	655	Sqm	₹ 26,19,345
55	R3-CS-PL-25	Extra for every additional height of 3 m or part thereof above 10m from ground level for all types of external plastering.	788	71	Sqm	₹ 55,948
56	R3-CS-PL-30	Extra for 12 to 20mm wide and 6 to 12mm in depth forming groove in 20 to 25 mm thick plaster including scaffolding, finishing, curing etc complete as directed By Engineer In Charge	385	68	Rmt	₹ 26,180
57	R3-CS-PL-34	Providing & Fixing bird wired mesh/wired fabric (12.5mm x 24 SWG) in strips of 200 mm width or as required over junctions of concrete & brick / block masonry or any other specified location at all heights including minimum 200mm overlap at all joints / junction prior to plastering, drilling, nailing etc. complete as directed By Engineer In Charge.	1269	263	Sqm	₹ 3,33,747

SR.NO	ITEM No.	DESCRIPTION	TOTAL QTY.	RATE	UNIT	AMOUNT
58	R3-CS-WP-19	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) including water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	100	366	Sqm	₹ 36,600
59	R3-CS-WP-22	Providing and filling AAC bats (Autoclaved Aerated Cement Blocks) (of size 40-60 mm) with cement mortar mixed in the ratio 1:3:6 (1 cement : 3 coarse sand : 6 block bats) including mixing of approved water proofing compound in recommended proportion for W.C., bath and kitchen. The laid brick bat mix shall be well rammed and compacted as required. Further surfaces shall be screeded with cement concrete mix 1:1.5:3 (1 cement : 1.5 coarse sand : 3 stone grit of size 6 mm and below by volume) admixed with approved integral water proofing compound in recommended proportion, laid to an average thickness of 25mm and finished smooth or ready to receive finish material as specified. Care shall be taken prior to filling all pipes passing through sunk portion such that the pipes are pressure tested by maintaining pressure for 24 hours and junctions of pipes passing through walls, slabs are well grouted and sealed. This shall be tested by ponding water for required depth and maintaining for 7 days.(Rate includes cost of brick bats, cement mortar, top screed, labour charges for working at all levels, leads and heights). For payment the area of sunken slab and the depth of filling including the thickness of screed shall be measured.	46	16963	Cum	₹ 7,80,298
60	R3-CS-WP-23	Waterproofing the terrace slabs with average 100 mm thick, brick bats laid in cement mortar bed 1:4 filled with mortar 1:4 of total thickness 100 mm, laid to slope (1:100) with vata 15 cm, at the junction of walls and IPS flooring (1:2:3) 40 mm thick with admixture, of approved water proofing compound, as per manufacturers specification laid after grouting the slab, finishing curing etc. complete as directed and specified. (Horizontal measurement clear between walls will be paid for).	317	1158	Sqm	₹ 3,67,086
61	R3-CS-WP-24	Waterproofing the terrace slabs with average 100 mm thick, brick bats laid in cement mortar bed 1:4 filled with mortar 1:4 of total thickness 100 mm, laid to slope (1:100) with vata 15 cm, at the junction of walls and IPS flooring (1:2:3) 40 mm thick with admixture, of approved water proofing compound, as per manufacturers specification laid after grouting the slab, finishing curing etc. complete as directed and specified. (Horizontal measurement clear between walls will be paid for). Do with broken China mosaic flooring instead of IPS set in cement mortar (1:4) 40 mm thick	548	1418	Sqm	₹ 7,77,064
62	R3-CS-WP-25	Providing and installing crystalline waterproofing treatment to inside surfaces of the water retaining structures VERTICAL SURFACES : a) Treatment shall consist of preparation of surfaces including 'V' grooves at junctions and joints, pressure grouting the same and curing for specified period. b) Applying two coats of approved crystalline waterproofing compound at specified intervals as recommended by manufacturer and as directed by Engineer-in charge and allowed to cure. c) Extra for Plastering of walls and finishing smooth with 15 mm thick cement mortar 1:4 (1 cement : 4 fine sand) admixed with approved waterproofing compound in recommended proportions. HORIZONTAL SURFACES : d) Extra for Laying of 30 mm average thick cement concrete of mix 1:2:4 (1 cement : 2 coarse sand : 4 coarse aggregate of 12.5mm nominal size) admixed with approved waterproofing compound in recommended proportions, on floors to required gradient, including rounding of corners / junctions with walls and floors etc., and finished smooth	386	2576	Sqm	₹ 9,94,336

SR.NO	ITEM No.	DESCRIPTION	TOTAL QTY.	RATE	UNIT	AMOUNT
63	R3-CS-WP-33	Providing waterproofing treatment from outside to basement lift-pits and other under ground structures during construction. The treatment shall be started after the P.C.C. bedding for the base slab or raft slab is laid. On the P.C.C. bedding a waterproofing layer based on cement with rough shahabad stones of 20 to 25 mm thick well pointed in the joints with 1:3 C.S. 40 mm thick for floors and 20 mm thick for sides with cement float and water proofing compound as per specifications shall be laid. Then the surface shall be superimposed by regular R.C.C. raft or base slab as per design. After completion of the raft/base slab and side walls the treatment of waterproofing layer shall be continued along the outer surface of the walls upto a height of 30 cm above the adjacent ground level. (The excavation of the side around the walls shall be filled with soft earth by the contractor ). The total thickness of the treatment shall be 65 mm to 75 mm for floors and 32 mm to 38 mm for walls. Note: (a) Where no space is available on the outer side of the walls, the following procedure shall be adopted :- Brick masonry walls of adequate strength shall be provided by the contractors at the outside level of the walls of basement. The treatment shall then be done as described above for flooring and on the inner face of the brick	172	1601	Sqm	₹ 2,75,372
64	R3-CS-WP-49	Providing & Making Waterproofing Treatment to the Chajja by finishing top surface with 20 mm thick 12 C.M. plaster with addition of approved water proofing compound as per manufacturers specifications and neat cement finish,including drip moulding at edge ,at bottom of chajja & cement vatta above chajja along the junction with wall etc complete. as per FMB item No. 5.22 but for new surfaces & as directed by the Engineer-In-Charge.	341	496	Sqm	₹ 1,69,136
65	R3-CS-PN-6 (**)	Providing and applying first single coat of approved primer and two coats of luster paint of an approved make and colour as per manufacturers specifications to any surface, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in-charge.	5880	148	Sqm	₹ 8,70,240
66	R3-CS-PN-12-b	Providing and applying first single coat of approved primer and two coats of anti-algal, anti-fungal, exterior paint as specified below of an approved make and colour as per manufacturers specifications to any surface, upto 10m height from ground level and at all locations as directed including preparing surfaces for painting by any approved means, scaffolding, cleaning and curing etc. complete as directed by Engineer-in-charge.By using acrylic based exterior paint with silicone additives	4399	221	Sqm	₹ 9,72,179
67	R3-CS-PN-15	Extra over item no. CS-PN-7 to CS-PN-12 on exterior painting work of height more than 10 m from ground level for additional height of 3m or part thereof.	1071	25	Sqm	₹ 26,775
68	R3-CS-FL-01-c	Providing and laying polished natural stone as specified below (Machine cut) of an approved quality and size for paving /flooring in plain and/or diamond /approved pattern including cement mortar bedding of 25 mm thick in 1:4 proportion, cement float, machine cutting, dressing, leveling, jointing, filling the joints with neat cement slurry or with required pigment, machine polishing at site, curing, finishing, etc complete as directed by Engineer In Charge. 25 to 30 mm thk. Kota stone of size 0.430m x0.56m (17"x22")	196	1508	Sqm	₹ 2,95,568
69	R3-CS-FL-07-c	Providing and laying 8mm thk. ceramic tiles as specified below conforming to I.S.15622-2006 for flooring of an approved, quality, make, size and pattern /design, for flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, neat cement float, cutting, leveling, jointing, filling the joints by neat cement slurry or approved colour grout, curing, finishing etc complete as directed by Engineer In Charge. Light coloured antiskid / matt ceramic tiles	139	1508	Sqm	₹ 2,09,612
70	R3-CS-FL-8-a	Providing and laying 600 x 600 x 8 mm thk. vitrified tiles as specified below conforming to I.S.15622-2006 with water absorbtion less than 0.08% for flooring of an approved, quality, make and pattern /design for flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, cutting, leveling, jointing, filling the joints by neat cement slurry or approved colour grout, curing, finishing etc complete as directed by Engineer In Charge. Light coloured glazed vitrified tiles	958	1529	Sqm	₹ 14,64,782
71	R3-CS-FL-8-c	Providing and laying 600 x 600 x 8 mm thk. vitrified tiles as specified below conforming to I.S.15622-2006 with water absorbtion less than 0.08% for flooring of an approved, quality, make and pattern /design for flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, cutting, leveling, jointing, filling the joints by neat cement slurry or approved colour grout, curing, finishing etc complete as directed by Engineer In Charge.Light coloured antiskid / matt vitrified tiles	659	1529	Sqm	₹ 10,07,611

SR.NO	ITEM No.	DESCRIPTION	TOTAL QTY.	RATE	UNIT	AMOUNT
72	R3-CS-FL-15	Providing and fixing 50 mm thick precast concrete interlocking paving block of concrete grade M30 for non traffic areas like footpath, paving etc. and as per the approved size, pattern, shape, colour, make, conforming to IS 15658, including 30mm thick sand bedding and edge confinements in cement mortar 1:3, laying in perfect line and grade etc. complete.	705	590	Sqm	₹ 4,15,950
73	R3-CS-FL-25-a	Providing and fixing 8mm thk. vitrified tiles as specified below conforming to I.S. 15622-2006 of approved quality, pattern and colour for flush/projected skirting / riser including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement slurry or pigments mixed with cement, finishing, curing etc complete as directed by Engineer In Charge.Light coloured glazed vitrified tiles for height upto 150mm	951	243	Rmt	₹ 2,31,093
74	R3-CS-FL-25-c	Providing and fixing 8mm thk. vitrified tiles as specified below conforming to I.S. 15622-2006 of approved quality, pattern and colour for flush/projected skirting / riser including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement slurry or pigments mixed with cement, finishing, curing etc complete as directed by Engineer In Charge.Light coloured antikid / matt vitrified tiles for height upto 150mm	231	243	Rmt	₹ 56,133
75	R3-CS-FL-02-k (**)	Providing and laying polished natural stone strips upto 100mm wide as specified below (Machine cut)25-30 mm. thick of an approved quality and size for paving /flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, cement float, machine cutting, dressing, leveling, jointing, filling the joints with neat cement slurry or with required pigment, machine polishing at site, curing, finishing, etc complete as directed by Engineer In Charge.18 mm thk. Steel Grey Granite tiles/slab	423	940	Rmt	₹ 3,97,620
76	R3-CS-FL-21-k (**)	Providing and fixing polished natural stone tiles /slab as specified below of approved quality, pattern and colour for flush/projected skirting and risers including preparing the surface and levelling in the desired line,backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement or pigment mixed with cement, polishing, finishing, curing etc complete as directed by Engineer In Charge.15 to 20 mm thk. Steel Gray Granite for height upto 150mm	381	457	Rmt	₹ 1,74,117
77	R3-CS-FL-79 (***)	Providing & fixing 20+2 mm thick machine cut mirror polish 1st quality Granite riser 150mm ht. for staircase (black galaxy or approved) polished,including backing coat of 1:4 cement plaster/mortar/cement paste , cleaning etc. complete as per Architects details drawingand design(Basic rate of granite is Rs.220/-Sq.ft.)	476	986	Rmt	₹ 4,69,336
78	R3-CS-FL-22-d	Providing and fixing 15 to 20mm thk. rough natural stone tiles as specified below of approved quality, pattern and colour for flush/projected skirting and risers including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement or pigment mixed with cement, polishing, finishing, curing etc complete as directed by Engineer In Charge.Kota stone for height upto 150 mm	231	261	Rmt	₹ 60,291
79	R3-CS-FL-39-f (**)	Providing and fixing rough natural stone slab as specified below of approved quality, pattern and colour for treads including preparing the surface and levelling in the desired line, in cement mortar 1:4, cement float, machine cutting, leveling, jointing, smooth cement plastering along the sides to match the existing surface in cement mortar 1:3, filling the joints with neat cement or pigment mixed with cement, polishing, finishing, curing etc complete as directed by Engineer In Charge. Steel gray Granite tiles/slab for width upto 300mm	777.906	1312	Rmt	10,20,613
80	R3-CS-FL-57	Rounding the edge in half round shape of the stonework specified below including high gloss machine polishing as directed by Engineer In Charge. Shahbad stone/ Kadappa stone/ Tandur stone/ Kota stone/ Any type of marble/ Any type of Granite stone	3594	265	Rmt	₹ 9,52,410

SR.NO	ITEM No.	DESCRIPTION	TOTAL QTY.	RATE	UNIT	AMOUNT
81	R3-CS-FL-59	2 to 3mm wide and 3mm deep grooving on the stone work specified below as directed by Engineer In Charge.Shahbad stone/ Kadappa stone/ Tandur stone/ Kota stone/ Any type of marble/ Any type of Granite stone	993	61	Rmt	₹ 60,573
82	R3-CS-FL-32-a	Providing and fixing 8mm thk. ceramic tiles as specified below conforming to I.S. 15622-2006 of approved quality, pattern and colour for dado in the wet area including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3 with approved waterproofing compound, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement slurry or approved colour grout, finishing, curing etc complete as directed by Engineer In Charge.Light coloured glazed ceramic tiles	1572	1566	Sqm	₹ 24,61,752
83	R3-CS-FL-55	Mirror Polishing on marble work/ granite work/ stone work to give high gloss finish including levelling the surface neat,cleaning etc. complete as directed by Engineer In Charge	254	80	Sqm	₹ 20,320
84	R3-CS-FL-44-d (**)	Providing and fixing all sides polished natural stone as specified below of approved quality, pattern,colour and thickness for door and window frames /architraves including preparing the surface and levelling in the desired line, machine cutting, jointing in approved adhesives, leveling, smooth cement plastering along the sides to match the existing surface in cement mortar, filling the joints with pigment mixed with cement, cleaning, finishing, curing etc complete as directed by Engineer InCharge.With Ruby red, jet black, Hasan green Granite	3267	734	Rmt	₹ 23,97,978
85	R3-ME-13-1-bh	Rubber mat 2mm thick size 3x5 feet	1173	8887	Sqf	₹ 1,04,24,451
86	R3-ME-13-1-be	Mirror with frame (4'x3')	34	14878	Nos	₹ 5,05,852
87	R3-CS-FL-46-c (**)	Providing and constructing raised platform of 750 mm wide and 600 to 750mm high using minimum 40mm thick polished kadappa stone slab base with minimum 15mm thk. polished stone top as specified below of approved quality, colour and texture, supported by both side polished, 40mm thk. and minimum 700mm wide kadappa spaced at not more than 1200mm clear, including polished facia of min. 100mm height as specified below with chamfered/ rounded at the top edges, jointing in approved adhesives, machine cutting, making opening for sink and fixing the same in position, leveling, smooth cement plastering along the sides to match the existing surface in cement mortar, filling the joints with pigment mixed with cement, cleaning, finishing, curing etc complete as directed by Engineer In Charge. (The cost of providing the sink shall be paid extra as per plumbing items) Ruby red / jet black / Hasan green Granite slab at top and facia	75	5127	Rmt	₹ 3,84,525
88	R3-CS-FL-50 (***)	Providing and fixing 20mm to 25 mm thk. polished jet black granite stone plaque for inauguration of approved quality including preparing the surface and levelling in the desired line, cement float, machine cutting, leveling, jointing, filling the joints with neat cement, finishing, curing etc complete as directed by Engineer In Charge	5	4567	sqm	₹ 22,835
89	R3-CS-FL-51-a	Engraving the letters of sizes specified below in golden or any other approved colour on granite stoneetc. complete as directed by Engineer In ChargeLetters upto 30mm in any language as directed.	4200	41	no	₹ 1,72,200
90	R3-CS-FL-51-b	Letters above 30mm and upto 50mm in any language as directed	2100	48	no	₹ 1,00,800
91	R3-CS-FL-51-c	Border line upto 12mm thk.	42	286	Rmt	₹ 12,012
92	R3-CS-SS-18	Providing, fabricating, welding and fixing 1.0m high MS pipe hand railing, weight 10 to 12 kg per Rmt including all necessary fixtures, holdfasts, supports and painting with one coat of red oxide zinc chromate primer and two coats of approved synthetic enamel paint etc complete asdirected by Engineer In Charge	97	1036	Rmt	₹ 1,00,492
93	R3-CS-SS-22	Providing, detailing, and fabricating as per specifications, transporting to site and erecting M.S. ladder using hot rolled sections, hollow pipes (Hollow pipes conforming to IS 1239 part 1 and 2) including, fixtures and fastenings, cleats, stiffeners, gussets, etc. and all necessary operations like straightening, bending, cutting, drilling, grinding, machining if specified, welding, removing the welding burr, cleaning etc., fixing in cement concrete block of grade M15, and preparing surface, applying one coat of red oxide zinc chromate primer and one coat of Synthetic Enamel paint after fabrication and second coat of synthetic enamel paint after erection, with approved colour, shade and brand etc. complete as directed by Engineer In Charge.	990	148	Kg	₹ 1,46,520

SR.NO	ITEM No.	DESCRIPTION	TOTAL QTY.	RATE	UNIT	AMOUNT
94	R3-CS-SS-32	Providing & fixing S.S. pipe hand rail along the wall in staircase or ramps or passages consisting of 50 mm dia. 18 gauge 304 grade stainless steel pipe. Supported with 25 mm 18 gauge S.S. pipe (304grade) brackets & 5mm thick tapered edge collar base plate fixed to wall with SS screws at approx. 600 mm center to center fixed horizontally or in inclined position at required height including grinding the welded joints, buffing,protecting the railing members by means of wrappers during construction etc. complete as per detailed drawing as directed by the Engineer in charge.	96	1473	Mtr	₹ 1,41,408
95	R3-CS-SL-04	Providing and fixing in position collapsible steel gates with vertical channels 20 x 10 x 2 mm & braced with flat iron diagonals 20 x 5 mm size, top & bottom T section 40 x 40 x 6 mm size, 30 mm steel pulleys complete with bolts-nuts, locking arrangements, stoppers, handles and painting with one coat of red oxide zinc chromate primer and two coats of synthetic enamel paint including all labour, materials, tools and equipments, etc complete as directed by Engineer Incharge	29	9250	Sqm	₹ 2,68,250
96	R3-CS-SL-12-a	Providing and Fixing MS Safety grill of weight specified below for windows as per design including fabricating the grill using M.S. square /round bar, flats and angles including painting with one coat of red oxide zinc chromate primer and two coats of synthetic enamel paint of approved colour and brand etc complete as directed.Grill weighing 10 to 15 kg / sqm	264	2778	Sqm	₹ 7,33,392
97	R3-CS-SL-14-a	Providing, fabricating and fixing M.S. grill work as per approved design and as per weight specified below to fencing / compound mades out of square / round bars, M.S. flats, angles, with necessary holdfast including painting with one coat of red oxide zinc chromate primer and two coats of approved synthetic enamel paint etc. complete as directed by Engineer In Charge Mild steel grill of weight 10 to 15 Kg/sq. m	218	2837	Sqm	₹ 6,18,466
98	R3-CS-WW-01 (**,***)	Providing and fixing best quality C.P. Teak wood frame for doors, windows and ventilators size greater than 50mm x 50mm including intermittent supports if required, all moulding, rebating, jointing, hold fasts of MS flats of minimum size 25 x 3 mm, having length of 225 mm for doors & 150 mm for windows and finishing with 3 coats of French polish or one coat of primer and synthetic enamel paint in two coats as directed etc. complete as directed.	1	85028	Cum	₹ 85,028
99	R3-CS-WW-05-c	Providing and fixing superior quality factory made single or double leaf Phenol Bonded solid core flush door shutters commercial type hot pressed conforming to IS:2202 (Part I,II) 1991 including 12 mm thk teak wood lipping all around with one coat of primer, putty and 2 coats of synthetic enamel paint on both faces etc. complete as directed. (Hinges, aldorp & standard door hardware to be paid separately) 35mm thick shutter	5	1863	Sqm	₹ 9,315
100	R3-CS-WW-16-d	Providing and fixing superior quality factory made phenol bonded solid core single leaf flush commercial door shutter of thickness as mentioned below and of approved make conforming to IS: 2202 (Part I, II) with 12mm thk. teak wood lipping all around, 3mm thk. commercial veneer on external face with three coats of french polish and 150mm x 60 mm or 125 mm x 75 mm C.P. teak wood frame without fanlight including, approved fixtures and fastening hooks, eyes, screws and painting the frame and interior side with one coat of primer, putty and two coats of synthetic enamel paint of approved make and colour etc. complete as directed by Engineer in charge.40mm thick shutter	169	7857	Sqm	₹ 13,27,833
101	R3-CS-WW-18-d	Providing and fixing superior quality factory made phenol bonded solid core double leaf flush commercial door shutter of thickness as mentioned below and of approved make conforming to IS: 2202 (Part I, II) with 12mm thk. teak wood lipping all around, 3mm thk. commercial veneer on external face with three coats of french polish and 150mm x 60 mm or 125 mm x 75 mm C.P. teak wood frame without fanlight including including bright finished or black enameled mild steel butt hinges, approved fixtures, fastening, hooks, eyes, screws and painting the frame and interior side with one coat of primer, putty and two coats of synthetic enamel paint of approved make and colour etc. complete as directed by Engineer in charge. 40mm thick shutter	11	9469	Sqm	₹ 1,04,159

SR.NO	ITEM No.	DESCRIPTION	TOTAL QTY.	RATE	UNIT	AMOUNT
102	R3-CS-WW-30	Providing and applying at all levels approved silicone sealant at the junction of wall and ventilators or windows as directed, wherever required or instructed by the Engineer etc. complete as specified in manufacturers specifications and directed.	11000	363	Litre	₹ 39,93,000
103	R3-CS-WW-37	Fire rated Double leaf Door - Laminate Finish: Providing & Fixing of wooden Fire door with Panic Bar of approved make and of required size, 120 minutes fire rating, integrity and insulation in accordance with the criteria of BS 476: Part22: 1987 and Report 212(1)/FR/2003; insulation on door leaf only. Tested at Fire Research Laboratory, Central Building Research Institute, Roorkee with standard heating conditions as specified in IS: 3809-1979 and BS: 476 part 20 & 22, 1987 to achieve the required integrity & insulation (i.e. to restrict the heat radiation, temperature rise on the non fire side to the maximum of 140 degree Centigrade above the ambient temperature on the unexposed surface of the shutter). Red Mirranti Hard wood frame of section 145mm x 70mm with Intumescent strip (Imported) to take care of Hot and cold smoke of size 10mm x 2mm x 2Nos. concealed in the groove of the frame and 55mm thick double leaf shutter made out of perimeter railing of Red Mirranti wood of size 100mm x 29mm and Promina 60.9mm thick. Calcium Silicate Board Fire Retardant compound on each side coated with Intumescent sealant and faced with 4mm thick marine ply with Fire and smoke Intumescent Seal of size 20mm x 2mm x 1 No., mounted in the grooves in the shutter on all sides except bottom with 10mm thick Hardwood beading on all side. The Fire Doors	28	17914	sqm	₹ 5,01,592
104	R3-CS-PV-01	Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90mm x 45mm having rebates of 32mm x15mm size to receive shutter of 30mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in the frame. The frame shall be covered with fiberglass from all sides. M.S. stay shall be provided at the bottom to steady the frame etc. complete as directed.	421	611	Rmt	₹ 2,57,231
105	R3-CS-PV-02	Providing and fixing to frames 30 mm thick Fibre Glass Reinforced Plastic (FRP) panelled / extruded profiled door shutter of approved colour, brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5mm thick FRP laminate for panels conforming to IS: 14856 - 2000 etc complete as directed.	112	2287	Sqm	₹ 2,56,144
106	R3-CS-AW-01	Providing and fixing in position two track aluminum window of extruded modular and anodized aluminum sections of approved make and of size 61.85 mm x 45.5 mm x 1.3 mm thk (wt 1.055 kg/Rm) for bottom, 61.85 mm x 31.75 mm x 1.3 mm thk. (wt 0.659 kg/Rm) for top & sides, mounted on anodized aluminum rectangular frame of size 63mm x 38mm x 2.0mm(1.054). The shutter comprising of bearing bottom and top of size 40mm x 18 mm x 1.25 mm thk (wt. 0.417 Kg/Rm) Interlocking section of size 40mm x 26.7 mm x 1.10 mm thk. (Wt. 0.469 kg./Rm) and hand sides of 40mm x 18mm x 1.25 mm thk (wt. 0.417kg/Rm) with 5 mm thick plain / frosted / tinted glass fixed in shutter including approved quality neoprene gasket, fixtures, fastenings and accessories like PVC rollers, PVC weep holes, locks, handles etc. complete as directed by Engineer In Charge. (Note: anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodizing must be scaled by keeping the anodized section in boiling de-anodized water for a period of one hour)	34	9190	Sqm	₹ 3,12,460
107	R3-CS-AW-02	Providing and fixing in position three track aluminum window of extruded modular and anodized aluminum sections of approved make and of size 92 mm x 45.5 mm x 1.5 mm thk (wt 1.659 kg/Rm) for bottom and 92 mm x 31.75 mm x 1.3 mm thk. (wt 0.933 kg/Rm) for top and sides mounted on anodized aluminum rectangular frame of size 100mm x 40mm x 1.3mm.(Wt 0.976 kg/m) The shutter comprising of bearing bottom and top of size 40mm x 18 mm x 1.25 mm thk (wt. 0.417 Kg/Rm) Interlocking section of size 40mm x 26.7 mm x 1.10 mm thk. (Wt. 0.469 kg./Rm) and hand sides of 40mm x 18mm x 1.25 mm thk (wt. 0.417kg/Rm) with 5 mm thick plain / frosted / tinted glass fixed in shutter including approved quality neoprene gasket, fixtures, fastenings and accessories like PVC rollers, PVC weep holes, locks, handles etc. complete as directed by Engineer In Charge. (Note: anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodizing must be scaled by keeping the anodized section in boiling de-anodized water for a period of one hour)	158	9112	Sqm	₹ 14,39,696

SR.NO	ITEM No.	DESCRIPTION	TOTAL QTY.	RATE	UNIT	AMOUNT
108	R3-CS-AW-03	Providing and fixing in position four track aluminum window of extruded modular and anodized aluminum sections of approved make and of size 122.2 mm x 45.5 mm x 1.3mm thk (wt 1.829 kg/Rm) for bottom and 122.2 mm x 31.75 mm x 1.2 mm thk. (wt 1.093kg/Rm) for top and sides mounted on anodized aluminum rectangular frame of size 127mm x 25.4mm x 1.3mm(1.052 kg/m) The shutter comprising of bearing bottom and top of size 40mm x 18 mm x 1.25 mm thk (wt. 0.417 Kg/Rm) Interlocking section of size 40mm x 26.7 mm x 1.10 mm thk. (Wt. 0.469 kg./Rm) and hand sides of 40mm x 18mm x 1.25 mm thk (wt. 0.417kg/Rm) with 5 mm thick plain / frosted / tinted glass fixed in shutter including approved quality neoprene gasket, fixtures, fastenings and accessories like PVC rollers, PVC weep holes, locks, handles etc. complete as directed by Engineer In Charge. (Note: anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodizing must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour)	123	9174	Sqm	₹ 11,28,402
109	R3-CS-AW-04	Providing and fixing in position aluminum louvered window with anodised aluminum frame of approved make and of size 40mm x 20mm x 2.0mm (wt. 0.605 kg/Rm) including adjustable aluminum frame, 4 to 6mm thk. frosted glass, fixtures and fastenings etc. complete as directed by by Engineer In Charge.	40	7743	Sqm	₹ 3,09,720
110	R3-CS-AW-05	Providing and fixing in position Top/side hung window of extruded modular and anodised aluminum sections of approved make and of size 38.10 mm x 25.40 mm x 1.44 mm thk (wt. 0.471 kg/Rm) for outer rectangular tube, 40 mm x 31.5 mm x 1.5 mm (wt. 0.549 kg/Rm) for outer frame, 40 mm x 31.50 mm x 1.50 mm thk (wt. 0.502 kg/Rm) for central mullion, 40 mm x 31.50 mm x 1.50 mm thk (wt. 0.549 kg/Rm) for shutter and 16.50 mm x 14.50 mm x 1.20 mm thk (wt. 0.157 kg/Rm) for glazing clip with 5 mm thick plain / frosted /tinted glass fixed in shutter including neoprene gasket, fixtures, fastenings and accessories like hinges, locking arrangement etc. complete as directed by Engineer In Charge. (Note: anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodizing must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour)	77	9794	Sqm	₹ 7,54,138
111	R3-CS-AW-16	Providing and fixing SS Mosquito mesh in anodised (anodic film must not be less than 15 microns microns i.e. AC-15 as per IS, the anodising must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour) aluminium shutter fixed in sliding / openable / fixed windows conforming to IS:1948-1961 as per drawing and directed by Engineer In Charge. (Note: For Aluminum Sections, total weight shall be upto 3.5 kg/sq.m.)	600	1587	Sqm	₹ 9,52,200
112	R3-CS-AW-17	Rebate for providing powder coating to aluminium sections instead of anodizing in required colour and shade with minimum 5 micron thickness including 7 course chemical cleaning, powder coating with special powder coating guns, heating in furnace as per powder coating agency's procedure all labour and material etc complete as directed by Engineer In Charge.	2090	-40	Kg	-₹ 83,600
113	R3-CS-AW-20	Design, supply, fabrication & erection of approved structural glazing using specially designed Vertical Mullion & Horizontal Transoms of Required size & as per architect's approved Grid work with aluminium rectangular sections to be fixed in masonry at interval of each floor on concrete slab with 80 mm x 100 mm x 5mm thick galvanized M & Langle fixed on wall side with raw bolt size of 10 mm x 90 mm with necessary bolts & washers / nuts for the plumb the linelevels. the glass panel's shall be fixed on a specially designed architectural sub- frame using Dow Corning 995 strural sealant & GE Silicon (SSG - 4000) sub frame would be fixed on main frame grid in a manner that no aluminium frame is visible from outside & grooves between the glass panel shall be filled with weather sealant of Dow corning 789 / GE Sil proof to made it air tight, water proof & dustfree thus giving it a flush look outside. Glass will be of 6 mm thick Glaverbel reflective type with heat strengthened toughened	103	4168	Sqm	₹ 4,29,304
114	R3-CS-HW-02-c (***)	Providing and fixing peep hole as described below manufactured as per IS wherever applicable for doors with necessary fixtures and materials and labour etc. Complete Brass peep hole	22	193	Nos	₹ 4,246
115	R3-CS-HW-04-b-2 (**,***)	Providing and fixing butt hinges as described below, manufactured as per relevant IS for door & windows with necessary materials and labour costs etc. complete. 100 mm Long.	205	90	Nos	₹ 18,450
116	R3-CS-HW-06-b-1 (**,***)	Providing and fixing aldrops of 16 mm diameter bars manufactured as per IS:2681-1991, wherever they apply for doors and windows with necessary materials and labour etc. complete. 250 mm long.	132	316	Nos	₹ 41,712



SR.NO	ITEM No.	DESCRIPTION	TOTAL QTY.	RATE	UNIT	AMOUNT
117	R3-CS-HW-09-b-4 (**,***)	Providing and fixing handles as described below, Manufactured as per IS:208-1992 for doors and windows and with necessary materials and fixtures like screws etc. and all labour etc. complete. 150 mm long.	132	299	Nos	₹ 39,468
118	R3-CS-HW-09-b-5 (**,***)	Providing and fixing handles as described below, Manufactured as per IS:208-1992 for doors and windows and with necessary materials and fixtures like screws etc. and all labour etc. complete. 200 mm long.	75	381	Nos	₹ 28,575
119	R3-CS-HW-09-b-7 (**,***)	Providing and fixing handles as described below, Manufactured as per IS:208-1992 for doors and windows and with necessary materials and fixtures like screws etc. and all labour etc. complete. 300 mm long.	75	541	Nos	₹ 40,575
120	R3-CS-HW-11-b	Providing and fixing hydraulic door closer of approved make manufactured as per IS:3564 for doors with necessary materials and labour cost etc. complete Medium ( for shutter weighting from 36 – 60kg)	4	803	Nos	₹ 3,212
121	R3-CS-HW-13	Providing and fixing magnetic type floor door stopper of approved make including necessary screws, fixtures, materials and labour etc. complete	84	104	No	₹ 8,736
122	R3-CS-HW-16 (**,***)	Providing and fixing with neat finish, brass night latch with set of three keys manufactured as per best engineering practice and as per IS:3847- 1992 for doors with necessary materials and labour etc. complete, to ensure smooth operation (Godrej make or equivalent)	20	1076	Nos	₹ 21,520
123	R3-CS-PS-1-a	Providing and fixing water closet squatting pan (Indian type W.C. pan )with 100mm sand cast Iron P or S trap, 10 litre low level white P.V.C.flushing cistern, including flush pipe, with manually controlled device(handle lever) conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required : White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests.	9	7810	each	₹ 70,290
124	R3-CS-PS-2-a	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	38	8007	each	₹ 3,04,266
125	R3-CS-PS-7-g	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : White Vitreous China Flat back wash basin size 450x300 mm with single 15 mm C.P. brass pillar tap.	40	2935	each	₹ 1,17,400
126	R3-CS-PS-10-b-1	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required : kitchen sink without drain board 610x510 mm bowl depth 200 mm	21	8553	each	₹ 1,79,613
127	R3-CS-PS-27-b-1	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete Flexible pipe 32 mm dia	93	96	each	₹ 8,928
128	R3-CS-PS-30	Providing and fixing 600x450 mm bevelled edge mirror of superior glass(of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	44	1919	each	₹ 84,436
129	R3-CS-PS-68-a	Providing and fixing PTMT Bottle Trap for Wash basin and sink Bottle trap 31mm single piece moulded with height of 270mm, effective length of tail pipe 260mm from the centre of the waste coupling 77mm breadth with 25mm minimum water seal, weighing not less than 260gms.	44	464	each	₹ 20,416
130	R3-CS-PS-69	Providing and fixing PTMT liquid soap container 109mm wide, 125mm high and 112mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour. weighing not less than 105 gms.	47	334	each	₹ 15,698
131	R3-CS-PS-70	Providing and fixing PTMT towel ring trapezoidal shape 215mm long, 200mm wide with a minimum distances of 37mm from wall face with concealed fittings arrangement of approved quality and colour. Weighing not less than 88 gms	44	265	each	₹ 11,660
132	R3-CS-PS-71-b	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour 450MM long towel rail with total length of 495mm, 78mm wide and effective height of 88mm, weighing not less than 170gms.	53	2028	each	₹ 1,07,484
133	R3-CS-PS-90-h	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. 80 mm dia nominal bore	12	806	Rmt	₹ 9,672
134	R3-CS-PS-93-a	Providing and fixing brass bib cock of approved quality 15 mm nominal bore	77	358	each	₹ 27,566
135	R3-CS-PS-130-a	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15mm nominal bore	86	1480	each	₹ 1,27,280

SR.NO	ITEM No.	DESCRIPTION	TOTAL QTY.	RATE	UNIT	AMOUNT
136	R3-CS-PS-86-a	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 15 mm nominal outer dia Pipes	874	375	Rmt	₹ 3,27,750
137	R3-CS-PS-87-a	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge.External work 15 mm nominal outer dia Pipes	110	178	Rmt	₹ 19,580
138	R3-CS-PS-87-b	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge.External work 20 mm nominal outer dia Pipes	120	211	Rmt	₹ 25,320
139	R3-CS-PS-87-c	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge.External work 25 mm nominal outer dia Pipes	117	270	Rmt	₹ 31,590
140	R3-CS-PS-87-d	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge.External work 32 mm nominal outer dia Pipes	390	349	Rmt	₹ 1,36,110
141	R3-CS-PS-87-e	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge.External work 40 mm nominal outer dia Pipes	462	441	Rmt	₹ 2,03,742
142	R3-CS-PS-87-f	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge.External work 50 mm nominal outer dia Pipes	781	651	Rmt	₹ 5,08,431
143	R3-CS-PS-90-d	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work 32 mm dia nominal bore	55	379	Rmt	₹ 20,845
144	R3-CS-PS-91-a	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete : 25 to 40 mm nominal bore	2	662	each	₹ 1,324
145	R3-CS-PS-95-a	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	29	766	each	₹ 22,214
146	R3-CS-PS-95-b	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 32 mm nominal bore	5	1344	each	₹ 6,720
147	R3-CS-PS-95-c	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 40 mm nominal bore	7	1691	each	₹ 11,837
148	R3-CS-PS-95-d	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 50 mm nominal bore	27	2268	each	₹ 61,236
149	R3-CS-PS-131-a	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore 15mm nominal bore	44	1020	each	₹ 44,880
150	R3-CS-PS-244	Providing and fixing JAQUAR MAKE metropole flush valve Dual Flow Concealed type with control cock operation plate 40 mm size etc. Complete	44	7588	Nos	₹ 3,33,872

SR.NO	ITEM No.	DESCRIPTION	TOTAL QTY.	RATE	UNIT	AMOUNT
151	R3-SE-8-5	Constructing brick masonry inspection chamber rectangular 0.9M x 0.45M and 0.6M deep on sewer with 230mm brick walls in cement mortar 1:3 plastered both inside & outside with 20 mm thick cement mortar 1:2 and neat cement rendering so as to give a smooth surface including 230mm cement concrete bedding (M 15) and cement concrete (M 15) in haunches and channels finished smooth with 20 mm thick cement mortar (1:1) and fixing SFRC extra heavy duty rectangular frame & cover of size 0.9M x 0.45M. resting on 300 mm high c.c. cap M 20 with (1:1) cement plaster on both the sides & necessary co-polymer. steps staggered at 300mm c/c. including 75 mm wide vata all round the external portion of the chamber and the foundation concrete in C.M. 1:1 etc. complete as per plan in Dy.Ch.E.(SP)P&D's office( without excavation ) .	25	16941	No.	₹ 4,23,525
152	R3-CS-PS-209	Providing fixing testing and commissioning 0.9m x 1.25m x 1.0m deep Grease trap (0.60m liquid height) constructed out of 230 mm brick masonry with PVC Tee connection for inlet outlet & vent, DI MD Manhole cover and frame (Cover size 0.9 x 0.45 m wide 2 nos.) , 40 mm thick Kaddappa baffle wall situated across the chamber. Trap shall be internally smooth plastered with internal & externally Complete with 2 Nos 0.4 M x 0.85 M x 0.1 M high SS 304. perforated tray's with handles on both side including all accessories mounting complete as specified in drawing	1	58757	Nos	₹ 58,757
153	R3-CS-PS-96-c	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore	1	550	Each	₹ 550
154	R3-CS-PS-100-b	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet :150 mm diameter	47	1055	Each	₹ 49,585
155	R3-CS-PS-265	Providing and fixing brass CP angle cock for mini geyser of Metro,seiko or other equivalent approved make.	51	885	Nos	₹ 45,135
156	R3-CS-PS-163-b	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 150 mm diameter	71	648	Rmt	₹ 46,008
157	R3-CS-PS-163-c	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 200 mm diameter	39	910	Rmt	₹ 35,490
158	R3-CS-PS-166-a-1	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :With common burnt clay F.P.S. (non modular) bricks of class designation 3.5	18	3006	each	₹ 54,108
159	R3-CS-PS-192	Providing and fixing in position uPVC/SWR Soil/Waste/Rain) pipe of type-B 110 mm dia. in any position including all fittings and accessories, making joints / connections water tight with solvent cement, scaffolding if necessary and making good the damages if any (excluding excavation and refilling the trenches) etc. complete as specified and directed.(All fittings and accessories like clamps,etc. should be of same brand. No separate payment shall be made for fittings and accessories).	1218	414	Rmt	₹ 5,04,252
160	R3-CS-PS-202	Providing and fixing in position uPVC/SWR (Soil/Waste/Rain) pipe of type-B 160 mm dia. in any position including all fittings and accessories, making joints / connections water tight with solvent cement, scaffolding if necessary and making good the damages if any (excluding excavation and refilling the trenches) etc. complete as specified and directed.(All fittings and accessories like clamps,etc. should be of same brand. No separate payment shall be made for fittings and accessories).	186	981	Rmt	₹ 1,82,466
161	R3-CS-PS-203	Providing and fixing C.P. Brass two way bib cock with flange of approved quality and make.	42	1116	each	₹ 46,872
162	R3-CS-PS-204	Providing and fixing Health Faucet with one metre long easy flex tube in chrome finish and wall flange.	42	1324	each	₹ 55,608
163	R3-CS-PS-228	Providing & fixing C.I. Manhole covers with frames / rings for R.C.C., underground water storage tanks/Over Head tank, sizes of covers. (600mm dia.) NOTE:-should be provided with locking arrangement	14	5633	Nos	₹ 78,862
164	R3-CS-PS-255	Supply of Sink Mixer - Jaquar note:- J shape spout with wall flange of heavy duty Jaquar make (Wall mounted). (Sink cock with J shape spout Cat. No. FLR-5309N OR consider equivalent make)	21	5237	Nos	₹ 1,09,977
165	R3-CS-PS-259	Providing & Fixing 100mm diameter Nahani trap Jali in steel finish with necessary fixing required to make the item well functional.	131	437	Nos	₹ 57,247
166	R3-CS-PS-281-a	Providing and fixing ball Cock (brass) of approved quality,High pressure, with plastic floats complete 50 mm (2') dia.	13	6719	Nos	₹ 87,347

SR.NO	ITEM No.	DESCRIPTION	TOTAL QTY.	RATE	UNIT	AMOUNT
167	R3-SE-8-2	Constructing brick masonry inspection chamber rectangular 0.9M x 0.6M and 0.6M deep -do- including M 20, 30 cm thick cap c.c. Bedding & including C.I. extra heavy duty air tight frame and cover weighing minimum 270kg complete as per description in item No. R3-SE-8-1 with necessary centering etc. all complete as per plan and directed.	7	42303	No	₹ 2,96,121
168	R3-CS-PS-139-a	Providing and fixing C.I. dirt box strainer for bulk type water meter with nuts, bolts, rubber insertions etc. complete conforming to IS : 2373 : 80 mm dia	1	8187	Each	₹ 8,187
169	R3-CS-PS-98-b	Providing and fixing brass ferrule with C.I. mouth cover including boring and tapping the main : 20 mm nominal bore	1	1628	Each	₹ 1,628
170	R3-CS-PS-138-a	Providing and fixing enclosed type water meter (bulk type) conforming to IS : 2373 and tested by Municipal Board complete with bolts, nuts, rubber insertions etc. (The tail pieces if required will be paid separately) 80 mm dia nominal bore	1	23948	Each	₹ 23,948
171	R3-CS-PS-92	Fixing water meter and stop cock in G.I. pipe line including cutting and threading the pipe and making long screws etc. complete (cost of water meter and stop cock to be paid separately).	1	611	Each	₹ 611
172	R3-CS-PS-115-a	Constructing masonry Chamber 60x45x50 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for water meter complete with C.I. double flap surface box 400x200x200 mm (inside) with locking arrangement and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) , i/c necessary excavation, foundation concrete 1:4:8 ( 1 cement : 5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design : With common burnt clay F.P.S.(non modular) bricks of class designation 3.5	1	9377	Each	₹ 9,377
173	R3-HE-11-1	Providing and Placing Brick bats in layers with staggered joints for required depth etc. complete in all respect and as directed by the engineer	3	3871	Cum	₹ 11,613
174	R3-HE-11-2	Providing and Laying 40 mm (average) size metal/ aggregates in 15 cm thick layer conforming to IS 383 for required depth including screening, washing, cleaning of metal/ aggregates etc. complete in all respect and as directed by engineer.	3	2489	Cum	₹ 7,467
175	R3-HE-11-3	Providing and Laying 20 mm (average) size metal/ aggregates conforming to IS 383 in 15 cm thick layer for required depth including screening, washing, cleaning of metal/ aggregates etc. complete in all respect and as directed by engineer.	3	2489	Cum	₹ 7,467
176	R3-HE-11-4	Providing and Laying 4.75 mm to 12 mm (average) size, well graded natural sand in 15 cm thick layer for required depth including screening, washing, cleaning of sand etc. complete in all respect and as directed by engineer.	3	4419	Cum	₹ 13,257
177	R3-HE-11-5	Providing and Laying, Placing Coconut coir layers of 6 mm to 12 mm thick in between graded layers at required depth including 10 cm wide overlapping etc. complete in all respect as directed by engineer.	20	775	Cum	₹ 15,500
178	R3-HE-11-10	Providing and fixing factory made precast RCC perforated drain covers, having concrete of strength not less than M-25, of size 1000 x 450x50 mm reinforced with 8mm dia 4 nos longitudinal and 9 nos cross sectional T.M.T hoop bars including providing 50mm dia perforations @ 100 to 125 mm c/c including providing edge binding with M S flats of size 50mm x 1.6mm complete all as per direction of Engineer-incharge.	5	1622	Nos	₹ 8,110
179	R3-CS-RM-128	Providing & Fixing corner guard for columns at parking area size W100 x H800 x 8mm colour: Black with yellow or White Reflective Stickers Body Material: Modified Thermoplastics (Polymer Rubberized) Fixing: Fixed on the wall & corner of columns with six 2" Screws.	15	818	Nos	₹ 12,270
180	R3-CS-RM-143	Providing & Fixing solid white acrylic laser cut out MCGM Logo etc complete. Size : 36" x 33"	174	27	Sq.in	₹ 4,698
181	R3-CS-DD-3	Demolishing brick work in lime or cement mortar including plaster, paint, etc. manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	70	627	Cum	₹ 43,890
182	R3-CS-DD-5-b	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge :In cement mortar	37	1797	Cum	₹ 66,489
183	R3-CS-DD-69	Removing the existing compound barbed wire fencing including wooden or concrete posts with foundations and depositing all serviceable materials at the nearest Municipal Ward Office. (This includes rows of barbed wire placed horizontally or placed spirally along the length.)	152	252	R.M.	₹ 38,304

SR.NO	ITEM No.	DESCRIPTION	TOTAL QTY.	RATE	UNIT	AMOUNT
184	R3-HE-7-19-f	Providing and fixing gun metal ISI mark non-return valve Screwed End of 50 mm diameters etc complete in all respect etc complete in all respect as directed by Engineer in Charge	24	2739	Each	₹ 65,736
185	R3-CS-SS-16	Providing, detailing, and fabricating as per specifications, transporting to site and erecting MS Openable / Sliding / Ornamental Entrance Gates including track and wheel, locking arrangement, fixing bolts, nuts, washers, cleats, stiffeners, gussets decorative balusters, arrow heads etc. and all necessary operations like straightening, bending, cutting, drilling, grinding, machining if specified, welding etc. complete weighing 60 to 65 kg/Sqm, including cleaning, Grinding and removing the welding burr and preparing surface and applying one coat of red oxide zinc chromate primer and one coat of Synthetic Enamel paint after fabrication and second coat of Synthetic Enamel paint after erection, with approved colour, shade and brand etc. including touching up with primer etc. complete as directed by Engineer In Charge.	28	9819	Sqm	₹ 2,74,932
186	R3-CS-SS-15	Providing, detailing, and fabricating as per specifications, transporting to site and erecting MS Openable / Sliding / Ornamental Entrance Gates including track and wheel, locking arrangement, fixing bolts, nuts, washers, cleats, stiffeners, gussets decorative balusters, arrow heads etc. and all necessary operations like straightening, bending, cutting, drilling, grinding, machining if specified, welding etc. complete weighing 25 to 30kg/Sqm, including cleaning, Grinding and removing the welding burr and preparing surface and applying one coat of red oxide zinc chromate primer and one coat of Synthetic Enamel paint after fabrication and second coat of Synthetic Enamel paint after erection, with approved colour, shade and brand etc. including touching up with primer etc. complete as directed by Engineer In Charge.	14	4670	Sqm	₹ 65,380
187	R3-CS-DD-14	Dismantling steel work in built up sections in angles, tees, flats and channels of rolling shutters, grills, gates, fencing, hoardings, including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50metres lead.	2987	4	Kg	₹ 11,948
188	R3-CS-PS-249	Providing and fixing heavy ISI marked single lever concealed diverter for bath & shower system Rain shower & its accessories. (Mixer Cat. No. CON- 421 Jaquar make OR consider equivalent make)	42	11014	Nos	₹ 4,62,588
189	R3-CS-PS-33-a	Providing and fixing toilet paper holder : C.P. brass	42	1687	Nos	₹ 70,854
190	R3-GW-6-1	Excavation for Planting of Lawn/ Shrubs/ Creeper/ Climbers/ Ground Cover on Soft Surface – Digging of Soft surface up to 30 Cm. Depth and removal of excavated material from site by contractor. Excavation of soft Top soil like murum or infertile soil / debris up to 30 Cm. Depth, Removal of 30 cm top layer and transportation of excavated material to place as instructed by Engineer-in-Charge	396.75	179	SqM	₹ 71,018
191	R3-GW-7-1	Preparation of ground for planting of lawn/shrubs/ ground cover/ creeper/ climbers - Supply and Spreading of Red Hill Earth and Cow Dung Mannure in 2:1 Proportion up to 30 cm. Depth ( excluding cost of Lawn/shrubs/ ground cover/ creeper/ climbers .) Supply and Spreading of Red Hill Earth and Cow Dung Manure in 2:1 Proportion up to 30 cm. Depth. Application of suitable pesticides and fungicides with RHE and CDM.	396.75	480	SqM	₹ 1,90,440
192	R3-GW-7-3	Preparatory Tillage Practices for planting of lawn/ shrubs/ creepers/ climbers/ ground covers including cost of water :- Mixing and leveling of Mixture of Red hill earth and cow dung manure , Watering for 30 days at every alternate day , weeding at every 10 days interval on prepared ground till one month . (Excluding Cost of lawn/ shrubs/ creepers/ climbers/ ground covers) [ Including cost of water ] Mixing of RHE and CDM, crushing of mucks of RHE CDM , leveling of flat surface / mound at proper level, watering daily , weeding at every 10 days interval such 3 weeding should be done , rolling after each weeding , application of weedicides if required,application of fertilizers , pesticides, fungicides, and weedicides as directed by site incharge.	396.75	26	SqM	₹ 10,316
193	R3-GW-7-5	Planting of Phosphulum / Saint Augustin lawn- Planting of lawn by dibbling method on Prepared ground (saint augustin lawn ) planting of lawn by dibbling method i.e. 7 kg per sq. Mt. Watering of lawn immediately after planting of lawn. Should be maintain and water the lawn @ of 6 lit per Sq. Mtr. up to 60 days free of cost , Filling of casualty up to 30 days , lawn must be covers entire area within 60 days , if any gaps it should be filled and lawn should be maintained till completely cover the area free of cost.	396.75	266	SqM	₹ 1,05,536

SR.NO	ITEM No.	DESCRIPTION	TOTAL QTY.	RATE	UNIT	AMOUNT
194	R3-GW-2-4-E	Planting of shrubs/ creeper/ climbers/ ground Covers on Prepared Ground excluding cost of plants Digging of Hole in a prepared ground ,Removal of shrub from polybag without disturbing rootball and planting and resurfacing of planted area by Soil and manure as directed by site incharge. Maintenance of newly planted shrubs for one month and Filling	132.25	47	SqM	₹ 6,216
195	R3-GW-5-29	Canna variegata Canna Varigated 6 " to 9 " height excluding polybag Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in polybag.	700	35	nos	₹ 24,500
196	R3-GW-10-26	Canna Durban Plant should be healthy ,diseased free and free from any pest attack with sufficient moisture around root zone,	700	40	nos	₹ 28,000
197	R3-GW-5-51	Duranta repens Golden duranta 6 " to 9 " height excluding polybag Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in polybag.	500	16	nos	₹ 8,000
198	R3-GW-5-101	Malpighia coccigera Barbados Cherry 6 " to 9 " height excluding polybag Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in polybag.	70	35	nos	₹ 2,450
199	R3-GW-5-94	Lantena camera depresa Yellow Lantena 6 " to 9 " height excluding polybag Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in polybag.	200	17	nos	₹ 3,400
200	R3-GW-5-96	Lantena camera Pink Pink Lantena 6 " to 9 " height excluding polybag Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in polybag.	200	17	nos	₹ 3,400
201	R3-GW-5-97	Lantena sellowiana Purple Creeping 6 " to 9 " height excluding polybag Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in polybag.	200	17	nos	₹ 3,400
202	R3-GW-5-98	Lantena sellowiana White Creeping 6 " to 9 " height excluding polybag Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in polybag.	200	17	nos	₹ 3,400
203	R3-GW-5-125	Plumbago auriculata Chitrak / Plumbago 6 " to 9 " height excluding polybag Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in polybag.	250	23	nos	₹ 5,750
204	R3-GW-5-25	Caesalpinia pulcherima Red / Pink /Yellow 6 " to 9 " height excluding polybag Plant should be healthy ,well rooted ,diseased free and free from any pest attack with sufficient moisture around root zone in polybag.	25	40	nos	₹ 1,000
205	R3-GW-5-166	Bismarckia nobilis 3 ft height excluding polybag	10	863	NOS	₹ 8,630
206	R3-GW-5-201	Plumeria acutifolia 4 ' Ft. height excluding polybag	10	403	NOS	₹ 4,030
207	R3-GW-5-202	Plumeria alba 4 ' Ft. height excluding polybag	10	359	NOS	₹ 3,590

RCC (Exclusive of GST)	₹ 8,77,88,835.68
GENERAL ITEMS (Exclusive of GST)	6,82,85,405.00
<b>TOTAL CIVIL ESTIMATE</b>	<b>15,60,74,240.68</b>

Say	15,60,74,300.00
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SE-CIVIL (BC) ES

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SE-CIVIL (BC) ES

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AE-CIVIL (BC) ES

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SE-CIVIL (BC) ES

**BOQ for proposed building no.-1 (A and B wing) & building no.- 2 and Drill Tower at Kurla Fire Station L ward**

**Mechanical & Electrical work**

Sr. No.	Item No	Description	Est. Qty	Unit	Rate (exclusive of	Est. Amount
		<b>LEAD WIRE /FLEXIBLE WIRE FOR METER ROOM</b>				
1	R3-ME-1-10-c	1.1 kV grade 2 Noss. (P+N) copper conductor flexible cable of area 4.0 sq mm and 1Nos. (E) 2.5 sq. mm copper cable for 30 /32 Amp. single phase switch.	90	mtr	456	41040
2	R3-ME-1-10-g	3 Noss. single core Cu PVC insulated flexible cable of 95 Sq.mm. for phases & 1 single core Cu PVC insulated flexible cable for neutral of 50 Sq.mm for 200 Amp TPNSS switch	50	mtr	5803	290150
3	R3-ME-1-10-f	3 Noss. single core Cu PVC insulated flexible cable of 50 Sq.mm. for phases & 1 single core Cu PVC insulated flexible cable for Neutral of 25 Sq.mm for 100/125 Amp TPNSS switch.	65	mtr	3023	196495
4	R3-ME-1-10-d	1.1 kV grade 4 Noss. (3P+N) copper conductor flexible cable of area 6.0 sq mm and 1Nos. (E) 2.5 sq. mm copper cable for 30 /32 Amp. three phase switch.	50	mtr	845	42250
		<b>D.G set</b>				
5	BCES-FAIR-DG-04	SITC of diesel generating set with alternator of 30 kVA output.	3	Nos	4,66,658.00	1399974
6	BCES-FAIR-AMF-04	Supplying, erecting, testing and commissioning of microprocessor based AMF panel suitable for diesel generating set of above 25 kVA up to 35 kVA capacity	3	Nos	60,480.00	181440
		<b>SWITCHGEAR,MCB,MCCB</b>				
7	R3-ME-1-6-c	200/250 Amp. 415V TPN Switchfuse unit with CRCAsheet steel powder coated enclosure with HRC fuses & switch links and padlockable arrangement.	3	NOS	15530	46590
8	R3-ME-2-7-b	200/250 Amp. TPN switch fuse Cable End Boxes	6	NOS	933	5598
9	R3-ME-1-6-b	100/125 Amp. 415V TPN Switchfuse unit with CRCA sheet steel powder coated enclosure with HRC fuses & switch links.	6	NOS	9594	57564
10	R3-ME-2-7-a	100/125 Amp. TPN switch fuse Cable End Boxes	12	NOS	823	9876
11	R3-ME-1-16-c	IP 43 8 Way MCCB DB (125/160A MCCB + 8Way TP MCB /24 Way SP MCB) BOX ONLY	6	NOS	18382	110292
12	R3-ME-1-17-n	63A TP MCB	36	NOS	2473	89028
13	R3-ME-1-18-c	100A 4P MCCB	6	NOS	5084.00	30504
14	R3-ME-1-19-A	16/32 Amp.DP MCB in 16SWG sheet steel metal box.	18	NOS	3049.00	54882
15	R3-ME-1-13-E	IP 42Wall/column Mounted distribution board with one Nos of DP 16/32A MCB asincomer and 8 Nos 6A/10A SP MCB as outgoing (12 way SPN DB)	26	NOS	5984.00	155584
16	R3-ME-1-13-l	IP 42 Wall/column Mounted distribution board with one Nos of 16/32A 4P MCB and 4 Noss 16/32A DP MCB as outgoing (4 way TPN DB)	18	NOS	10716	192888
17	R3-ME-1-13-c	IP 42 Wall/column Mounted distribution board with one Nos of DP 16/32A MCB as incomer and 4 Noss 6A/10A SP MCB as outgoing (8 way SPN DB)	20	NOS	4303	86060
18	R3-ME-1-25-k	ELCB with 30mA Sensitivity 40Amp. 4Pole	20	NOS	5485	109700
19	R3-ME-1-25-l	ELCB with 30mA Sensitivity 40Amp. 2Pole	60	NOS	4661.00	279660
20	R3-ME-1-25-F	ELCB with 100mA Sensitivity 40Amp. 4Pole	15	NOS	5691.00	85365
21	R3-ME-1-6-a	63 Amp. 415V TPN Switchfuse unit with CRCA sheet steel powder coated enclosure with HRC fuses & switch links.	15	NOS	5674	85110
22	R3-ME-1-1-f	32 Amp. 415V TPN Switchfuse unit with CRCA sheet steel powder coated enclosure with rewirable fuses	17	NOS	2233	37961
23	R3-ME-1-20-B	100mm x 100mm x 50mm size GI Junction box with knock out & 10Amp. Connector block /strip.	30	NOS	129.00	3870
24	R3-ME-1-19-b	16/32 Amp. TPN MCB MCBs In 16 SWG CRCA sheet steel enclosure	12	NOS	4281.00	51372
25	R3-ME-1-15-a	IP43 8 Way SPN DB (4 + 4Way) ONLY DB.	10	NOS	2480.00	24800
		<b>CABLE( 1.1 kV grade stranded Cu conductor, XLPE insulated, extruded PVC inner and FRLS outer sheathed, galvanised steel round or strip armouredcables)</b>				
26	R3-ME-2-3-m	1st category Cu armoured cables FRLS outer sheathed- 2C x 6 Sq.mm	1910	mtr	204.00	389640
27	R3-ME-2-3-k	1st category Cu armoured cables FRLS outer sheathed- 4C x 4 Sq.mm	410	mtr	255.00	104550
28	R3-ME-2-3-e	1st category Cu armoured cables FRLS outer sheathed- 2C x 2.5 Sq.mm	270	mtr	115.00	31050
29	R3-ME-2-3-s	1st category Cu armoured cables FRLS outer sheathed- 4C x 10 Sq.mm	1325	mtr	621.00	822825
30	R3-ME-2-3-g	1st category Cu armoured cables FRLS outer sheathed- 4C x 2.5 Sq.mm	135	mtr	178.00	24030
31	R3-ME-2-3-x	1st category Cu armoured cables FRLS outer sheathed- 3.5C x 50 Sq.mm	260	mtr	2102.00	546520

Sr. No.	Item No	Description	Est. Qty	Unit	Rate (exclusive of	Est. Amount
		<b>CABLE END-TERMINATION</b>				
32	R3-ME-2-12-c	Cable End Termination For Copper Cables – 2C x 6 Sq.mm	100	Set	176.00	17600
33	R3-ME-2-12-q	Cable End Termination For Copper Cables – 4C x 4 Sq.mm	130	Set	160.00	20800
34	R3-ME-2-12-a	Cable End Termination For Copper Cables – 2C x 1.5 / 2.5 Sq.mm	15	Set	114.00	1710
35	R3-ME-2-12-r	Cable End Termination For Copper Cables – 4C x 6 Sq.mm	35	Set	187.00	6545
36	R3-ME-2-12-s	Cable End Termination For Copper Cables – 4C x 10 Sq.mm	270	Set	196.00	52920
37	R3-ME-2-12-p	Cable End Termination For Copper Cables – 4C x 2.5 Sq.mm	10	Set	138.00	1380
38	R3-ME-2-12-y	Cable End Termination For Copper Cables 3.5C x 95 Sq.mm	10	Set	812.00	8120
39	R3-ME-2-12-w	Cable End Termination For Copper Cables 3.5C x 50 Sq.mm Mtr.	42	Set	481.00	20202
		<b>CABLE TRAY</b>				0
40	R3-ME-2-14-d	G.I. Cable tray with all other accessories : Ladder Type 450 x 75mm (W x H) - (12SWG - 2.5mm)	70	Rmtr.	647	45290
41	R3-ME-2-13-E	G.I. Cable tray with all other accessories : Perforated Type 300 x 50mm (W x H) - (16 SWG - 1.6mm)withOUT cover	70	Rmtr.	677	47390
42	R3-ME-2-13-h	150 x 25mm (W x H) - (16 SWG - 1.6mm) with cover	45	Rmtr.	600	27000
		<b>Point wiring by using FRLSH insulated copperconductors (alongwith same size of FRLSH insulatedcopper conductor for earthing &amp; 3 plate ceiling rose)using CASING-N CAPING</b>				
43	R3-ME-3-34-a	Light /Fan / Ex. fan Points	590	Each Pt.	716	422440
44	R3-ME-3-34-b	2/3 Pin Independent Plug (IP)	276	Each Pt.	742	204792
45	R3-ME-3-34-c	Bell Point with Bell / Buzzer & 1 Bell Push	26	Each Pt.	1012	26312
46	R3-ME-3-34-i	15 / 5 A / 6 A Combined Power Plug Socket Point with Fuse and Indicating Lamp, One 15 Amp SP Switch	150	Each Pt.	1309	196350
47	R3-ME-3-34-j	5A/6A - 3/5 Pin Plug On Board	145	Each Pt.	197	28565
48	R3-ME-1-19-d	20Amp SP MCB with 20A ray roll type, 3pin plug & socketwith cap & chain etc.	36	Nos.	2175	78300
		<b>CIRCUIT</b>				
49	R3-ME-3-17-a	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire in 20 x 12 mm (1/2")	1610	mtr	118	189980
50	R3-ME-3-17-b	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire in 20 x 12 mm (1/2")	900	mtr	179	161100
		<b>LIGHTING FIXTURES &amp; ACCESSORIES</b>				
51	R3-ME-4-34-a	LED Tubelight fixtures 1X 18W	280	NOS	456.00	127680
52	R3-ME-4-34-b	LED Tubelight fixtures 2X 18W	55	NOS	915.00	50325
53	R3-ME-4-16-b	Down rod Above 0.5 Mtr. to 1 Mtr.	65	Set	354.00	23010
54	R3-ME-4-12-B	SITC of Ceiling fan of 900 mm sweep with all accessories includingElectronic Regulator for completing installation as per specification.	35	NOS	2094.00	73290
55	R3-ME-4-12-d	SITC of Ceiling fan of 1200 mm sweep with all accessories includingElectronic Regulator for completing installation as per specification.	90	NOS	2094.00	188460
56	R3-ME-4-12-a	Ceiling fan of 600 mm sweep with all accessories including Electronic Regulator for completing installation	2	NOS	2094.00	4188
57	R3-ME-4-12-S	SITC of Fan safety rope/ Fan wire.	127	NOS	326.00	41402
58	R3-ME-4-15-B	S type M.S. fan hook fabricated from suitable dia. M.S. rod for fixingceiling fan by using pair of Anchor fastener.	127	SET	192.00	24384
59	R3-ME-4-12-h	Exhaust fan of 230mm sweep, 1400RPM, with 450 CFM free air delivery, AC 230V/415V , 50 Hz, single phase / three phase complete with all necessary accessories for completing installation .	75	NOS	1751.00	131325
60	R3-ME-4-12-i	Exhaust fan of 305mm sweep, 900/1400RPM, with 450 CFM free air delivery, AC 230V/415V , 50 Hz, single phase / three phase complete with all necessary accessories for completing installation .	16	NOS	2538.00	40608
61	R3-ME-4-30-a	LED Highbay luminaire 150 W	8	NOS	9305.00	74440
62	R3-ME-4-34-e	LED Bulkhead fitting	105	NOS	992.00	104160
63	R3-ME-4-32-a	INDOOR LED FIXTURES -Downlighter/Wall mounted LED 5-8 W	20	NOS	410.00	8200
		<b>STREET LIGHT</b>				
64	R3-ME-4-27-d	48-60 W STREET LIGHT	43	NOS	4506.00	193758
65	R3-ME-10-3-E	Providing and fixing Swan neck type bracket for fixing HPMV / HPSVlamp fixtures mounting on wall / shed etc. 0.5 to 1.2 Mtrs.	43	NOS	979.00	42097
66	R3-ME-1-21-A	Sheet Moulding compound (SMC) Junction Box, for Outdoor Use - SMCJB - 1414, Hinged cover, Size 170 x 170 x 105mm	43	NOS	1281.00	55083
67	R3-ME-10-5-e	Providing & erecting 7 m high (clear height) galvanized OCTAGONAL pole with foundation bolts having bottom of 130 mm A/F, top 70 mm A/F on	25	NOS	66102.00	1652550



Sr. No.	Item No	Description	Est. Qty	Unit	Rate (exclusive of)	Est. Amount
68	R3-ME-10-3-b	Double arm bracket	25	NOS	7189.00	179725
69	R3-ME-10-7-a	Smart Pack junction box with 6A MCB & Terminals ( for mounting inside base compartment of pole)	25	NOS	2701.00	67525
70	R3-ME-10-2-a	Garden Poles -4.5m long 50mm dia. 'C' class GI pipe pole	30	NOS	17519.00	525570
71	R3-ME-10-3-a	Single arm bracket	30	NOS	3594.00	107820
72	R3-ME-10-4-b	Cast Iron Junction box complete with c 2way terminal or connector block and 6A SP MCB. Box size shall not be less than 8" x 5" (200 mm x 125 mm.)	30	NOS	7428.00	222840
73	R3-ME-4-27-e	Outdoor LED Street Light fittings - 70-90 W	80	NOS	4933.00	394640
		<b>METER BOARD &amp; SWITCHGEAR FIXING</b>				
74	FRD_PLY2023	Providing and fixing of 19mm thick plywood as per IS 5509 for fixing electrical meters in Meter Room. The rate shall include fixing the FRD ply to	90	Sq. Mtrs.	2150	193500
75	R3-ME-1-30-c	Supply and fixing T. W.batten 25 mm x 40 mm.	90	mtr	79.00	7110
76	R3-ME-1-31-d	Flat bars 25 mm x 3 mm thick	90	mtr	94.00	8460
77	R3-ME-1-31-e	Flat bars 40 mm x 5 mm thick	20	mtr	283.00	5660
78	R3-ME-1-31-a	25 x 25 x 3 mm of M.S. angle.	80	mtr	156.00	12480
79	R3-ME-1-31-b	40 x 40 x 5 mm of M.S. angle.	60	mtr	427.00	25620
		<b>EARTHING</b>				
80	R3-ME-7-1-C	Earthing station with 600 mm x 600 mm x 6 mm galvanised iron plate & 50mm dia. G.I. pipe, 3000mm long GI pipe (Class B or better) earth pit as per IS 3043. The earth pit shall be provided with watering pipe (Class B) with wire meshed funnel, 25x3 GI strip / 8 SWG GI wire up to chamber (wire or strip size as per fault level), disconnecting links with 600 x 600 mm (clear) RCC chamber & heavy duty 3mm thick CI chequered plate cover with hinge & stainless steel bolts. Bentonite/ Charcol & Salt shall be provided for earth pits. Excavation, backfilling, removal of excess soil is included in the scope	36	NOS	16475.00	593100
81	R3-ME-7-3-A	Test Links -25 x 3 mm GI (length : 300 mm)	36	NOS	24.00	864
82	R3-ME-7-4-L	Bare G.I. Conductor size 10 SWG	3550	MTR	6.00	21300
83	R3-ME-7-4-E	Earthing Continuity Conductors -25 x 3mm GI	240	MTR	50.00	12000
84	R3-ME-7-4-m	Bare G.I. Conductor size 8 SWG	550	MTR	9	4950
85	R3-ME-7-2-a	Lightning Protection of 5 pronged air terminal as per of technical specification. Earth continuity conductor as per requirement & rate. Earth station as per above specification & rate.	3	NOS	1825.00	5475
		<b>WATER PUMP</b>				
86	R3-ME-6-2-ac	Submersible Pump set of 7.5 HP three phase electric motor Discharge 510 lpm at 20 mtr. head to 240 lpm at 62 mtr. Head , Pump body Cast Iron, Impeller Noryl shaft SS410. Pump delivery diameter 50 mm	12	Nos.	70657.00	847884
87	R3-ME-6-2-h	Submersible Pump set of: 2 H.P. three phase electric motor Discharge: 320 lpm at 11 m head to 120 lpm at 26 m head Pump body: Cast Iron, Impeller: Noryl, Shaft SS410 Pump delivery diameter 50 mm.	2	Nos	26869	53738
88	R3-ME-1-22-C	Automatic Star Delta Starter for 5 H.P to 15 H.P	12	NOS	8732.00	104784
89	R3-ME-2-5-K	1st category Submersible flat cable - 4C x 6 Sq.mm	160	MTR	385.00	61600
90	R3-ME-6-12-F	GUN METAL GATE VALVES (SCREWED):-50 mm dia.	30	NOS	7586.00	227580
91	R3-ME-6-12-g	GUN METAL GATE VALVES (SCREWED):-65 mm dia.	15	NOS	13137.00	197055
92	R3-ME-6-10-f	GUN METAL NON - RETURN VALVE: (SCREWED):-50 mm dia	15	NOS	4530.00	67950
93	R3-ME-6-7-g	SUPPLYING & LAYING 'C' CLASS G.I. PIPE (I.S.I MARK) FOR SUCTION / DELIVERY LINE ETC:65 mm dia.	150	MTR	1114.00	167100
94	R3-ME-6-7-F	SUPPLYING & LAYING 'C' CLASS G.I. PIPE (I.S.I MARK) FOR SUCTION / DELIVERY LINE ETC:50 mm dia	350	MTR	885.00	309750
95	R3-ME-1-4-F	Change Over Switch - 32 Amp. 415V 4P Changeover Switch with CRCA sheet steel powder coated enclosure.	6	NOS	3096.00	18576
		<b>Rain water Harvesting</b>				
96	R3-ME-1-22-b	3 Ph. DOL Starter for 2 to 5 H.P	2	Nos	2369	4738

Sr. No.	Item No	Description	Est. Qty	Unit	Rate (exclusive of	Est. Amount
97		<b>Excavation</b>				
98	R3-ME-2-8	Excavating the trenches and refilling, reinstatement of the same after the cable is laid in approved manner (750 mm deep, 600 mm wide), in all types of soils 1 Cu. Mtr. = 2.2 Mtr.	180	CUM	344.00	61920
99	R3-ME-2-9	Excavating the trenches and refilling the same after the cable is laid in approved manner (Size of trench: 750 mm deep, 600 mm wide) in concrete/	70	CUM	425.00	29750
100	R3-ME-2-21-f	Supply & laying I.S.I. mark 'B' class GI Pipe for surface /under ground cable protection 50 mm dia.	140	RMtr	463.00	64820
101	R3-ME-2-19-b	150mm Dia. Providing & laying Hume pipe across road or below the plinth beams and buried cable protection	300	Mtr.	362.00	108600
		<b>Public Address system</b>				
102	R3-ME-12-10-i	Supply & installation of 6W/100V wall mounting box speakers.	23	Nos	1667.00	38341
103	R3-ME-12-10-f	Speaker wiring using 40/36 cable with PVC conduit	750	Mtr	107.00	80250
104	R3-ME-12-10-n	Supply and installation of 250 watts amplifier with USB	3	Nos	26621.00	79863
105	R3-ME-12-9-w	SITC of 32 inch Rack	3	Nos	47262.00	141786
106	R3-ME-12-10-j	Supply & installation of Unidirectional Dynamic Vocal & Speech Microphone	3	Nos	4176.00	12528
107	R3-ME-12-10-k	Supply & installation of Microphone floor stand	3	Nos	1719.00	5157
108	R3-ME-12-10-h	Supply & installation of 16 channel zone control panel/ Zone selector to control the output of the amplifier.	3	Nos	7905.00	23715
		<b>CCTV</b>				
109	R3-ME-12-13-m	Supply, Installation, Testing & Commissioning of IP Dome camera with 1/2.8" CMOS, Progressive Scan, HD 720P Horizontal Resolution, Dual H.264 streaming, 25 FPS, 2.8mm-10mm varifocal auto iris lens, 0.01 lux, Tamper detection, Wide dynamic Range, 3D Noise reduction, PoE & standard 12VDC/24VAC power input, Indoor surface mount enclosure, Mounted on True Ceiling / False ceiling as per site requirement (including required accessories), UL Listed Or Equivalent. Camera Shall be ONVIF compliant.	19	nos	37981	721639
110	R3-ME-12-13-n	Supply, Installation, Testing & Commissioning of IP Fixed Box/ Bullet camera with 1/2.8" CMOS, Progressive Scan, Day/Night, HD 720P Horizontal Resolution, Dual H.264 streaming, 25 FPS, 2.8mm-10mm varifocal auto iris IR corrected megapixel lens, 0.05 lux Day/Night, Tamper detection, Wide dynamic Range, 3D Noise reduction, PoE & standard 12VDC/24VAC power input, IP66 rated vandal resistant enclosure, UL Listed Or Equivalent. Camera Shall be ONVIF compliant.	16	nos	37981	607696
111	R3-ME-12-13-p	Design, Supply, testing, installation and commissioning of modular 16 channel 1080P NVR, Recording: 1920X1080P, 15 FPS, 30 days recording, 24 hours/day; Real time monitoring with 25 FPS. Hard disc : 8 SATA III Ports, Each 6TB, up to 48TB, 1 eSATA port, Disk array: Support RAID 0/1/5/6/10, Two no's of RJ -45 10/100/1000 Mbps self adaptive Ethernet interface, RS 232, RS 485, keyboard interfaces, VGA/HDMI compatible, 2nos front USB 2.0 & 1 no at rear USB 2.0 compatible & 8 TB hard disc and as per storage configuration contractor shall consider the separate hard discs	3	NOS	111039	333117
112	R3-ME-12-13-k	SITC of 6TB Storage (HDD)	3	NOS	29345	88035
113	R3-ME-12-13-t	Supply, Installation, Testing & commissioning of 42 inches LED monitor, Full HD Resolution, Backlight LED, Brightness : 400 NITS min., Contrast : 1200 : 1 or better., Power supply :	3	NOS	77973	233919
114	R3-ME-12-8-a	25 mm.- Only PVC Conduits	1150	Rmt	37	42550
115	R3-ME-12-4-b	Cat 6 Gigabyte	1150	MTR	34	39100
116	R3-ME-12-9-h	24 Port Manageable Switch	3	Nos	14608	43824
117	R3-ME-12-9-i	24 Port patch Panel	3	Nos	4812	14436

Sr. No.	Item No	Description	Est. Qty	Unit	Rate (exclusive of	Est. Amount
118	R3-ME-12-9-m	3 Feet Patch Chord	60	MTR	172	10320
119	R3-ME-12-9-l	7 Feet Patch Chord	60	MTR	206	12360
120	R3-ME-12-9-v	SITC of 19 inch Rack	3	Nos	34371	103113
121	R3-ME-1-4-g	63 Amp. 415V 4P Changeover Switch with CRCA sheet steel powder coated enclosure.	3	NOS	6326	18978
122	R3-ME-1-10-e	3(PH) Noss. single core Cu PVC insulated flexible cable of 25 Sq.mm. for phases & 1 single core Cu PVC insulated flexible cable for neutral of 10 Sq.mm. for 63 Amp TPNSS switch.	50	Mtr	1459	72950
123	R3-ME-2-22-d	Supply & Laying of double wall corrugated ( DWC) pipe 90 mm OD / 76 mm I.D.	200	Mtr	291	58200
124	R3-ME-19-SI-8P-3	SITC of Passenger gearless lift for 8 Passenger/544 Kg, G+3 floor (4Stops/4 Landings)	3	NOS	1558859	4676577
125	CENTRI_FILTER_RWH	S/I/T/C of auto flushing non clogging centrifugal filter for roof top runoff	1	Nos	35000.00	35000
<b>TOTAL (Exclusive of GST)</b>						<b>2,21,86,362.00</b>

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**Fire work estimate for proposed building no.-1 (A and B wing) & building no:- 2 at Kurla Fire Station L ward**

**Fire Fighting System**

SR NO	ITEM NO	DESCRIPTION	QTY	UNIT	RATE (Exclusive of GST)	AMOUNT
1	R3-ME-15-15-a	Providing and fixing in position G.I. Heavy grade 'C' class pipes 150 mm	42	Mtr	2861.00	120162.00
2	R3-ME-15-15-b	Providing and fixing in position G.I. Heavy grade 'C' class pipes 100 mm	300	Mtr	1945.00	583500.00
3	R3-ME-15-15-c	Providing and fixing in position G.I. Heavy grade 'C' class pipes 80 mm	65	Mtr	1400.00	91000.00
4	R3-ME-15-25-a	Providing coating of Bitumen Paint & 4mm thick Wrapping as per IS 10221 for underground 80 mm Ring Main of Fire Fighting System.	40	Mtr	503.00	20120.00
5	R3-ME-15-25-b	Providing coating of Bitumen Paint & 4mm thick Wrapping as per IS 10221 for underground 100 mm Ring Main of Fire Fighting System.	200	Mtr	575.00	115000.00
6	R3-ME-15-25-c	Providing coating of Bitumen Paint & 4mm thick Wrapping as per IS 10221 for underground 150 mm Ring Main of Fire Fighting System..	42	Mtr	718.00	30156.00
7	R3-ME-15-6-a	Supplying & Installing cast iron double flange butterfly valve- 80mm	3	Each	3860.00	11580.00
8	R3-ME-15-6-b	Supplying & Installing cast iron double flange butterfly valve-100mm	6	Each	5317.00	31902.00
9	R3-ME-15-6-c	Supplying & Installing cast iron double flange butterfly valve- 150mm	3	Each	8404.00	25212.00
10	R3-ME-15-7-a	Supplying and installing double flange NRV 80 mm	3	Each	9614.00	28842.00
11	R3-ME-15-7-c	Supplying and installing double flange NRV 150 mm	3	Each	21556.00	64668.00
12	R3-ME-15-5-b	Supplying and installing Y type CI Strainer 100 mm	3	Each	10284.00	30852.00
13	R3-ME-15-8-a	Supplying and installing gun metal single outlet hydrant valve !fitted with necessary accessories	21	Each	10092.00	211932.00
14	R3-ME-15-11-a	Providing and fixing in position 2 lengths of 15 M long flexible canvas rubber lined hose reels 63 dia with adapter, branch pipe and nozzle and storing them in metal cabinets with lockable glass shutters and fixing the metal cabinet at ground level in a location where it can be easily spotted including painting etc	21	No.	12776.00	268296.00
15	R3-ME-15-12-a	Supplying G.M. branch pipe of 63 mm Ø fitted with 20 mm Ø detachable hexagonal nozzle	21	Each	2952.00	61992.00

SR NO	ITEM NO	DESCRIPTION	QTY	UNIT	RATE (Exclusive of GST)	AMOUNT
16	R3-ME-15-18	Supplying and installing wall mounting swinging Hose reel drum fitted with 19 mm dia. 30m high pressure polypropylene (Polyhose) long fitted with necessary accessories complete as per specification	14	Each	12215.00	171010.00
17	R3-ME-15-20	Supplying and installing fire Service Inlet of 150 mm (Siamese Connection )	3	Each	10779.00	32337.00
18	R3-ME-15-22	Supplying and erecting 20/25mm Ø G.M.air release cock, with necessary G.I. coupling to be fitted on top of Air vessel or on wet riser as per specification	3	Each	1508.00	4524.00
19	R3-ME-15-13-a	Supplying and installing pressure gauge of 100 mm Ø., 0-300 PSI or 0- 14 kg per cm square fitted with 12/15 mm Ø. pad cock valve, and G.I. pipe, elbow etc	6	Each	3690.00	22140.00
20	R3-ME-15-23	Supplying and installing pressure switch with 12/15 mm isolation valve, G.I. nipple, elbow etc. in an approved manner as per specification	3	Each	8407.00	25221.00
21	R3-ME-15-14-a	Supplying and erecting one no. Brass orifice plate having 6 mm. thickness, 140 mm outer dia of 140 mm at every single outlet hydrant valve	21	Nos	1627.00	34167.00
22	R3-ME-2-8	Excavating the trenches and refilling, reinstatement of the same after the cable is laid in approved manner (750 mm deep, 600 mm wide), in all types of soils 1 Cu. Mtr. = 2.2 RMT.	100	Cu. Mtr.	344.00	34400.00
23	R3-ME-1-31-b	40 x 40 x 5 mm of M.S.Angle	40	RMtr.	427.00	17080.00
24	R3-ME-15-31-a	Providing Round bottom FIRE Bucket of 9 Litres ca- pacity as per IS : 2546 made out of 24 gauge G.I. sheet with extra handle at bottom duly painted white inside and red outside with FIRE Mark, on provided stand/ wall hook.	20	Nos.	862.00	17240.00
25	R3-ME-15-31-c	Supplying and erecting Wall hook 225mm projection for keeping fire buckets made out of 15 mm dia. M.S. Rod grouted in wall to a depth of minimum 15cms	20	Nos	287	5740.00
26	R3-ME-15-30-c	Supplying and erecting ABC powder type fire extinguisher as per IS : 13849 /15683 of 6 kg capacity with necessary clamp for erection on Wall.	10	No.	2156.00	21560.00
27	R3-ME-15-30-d	Supplying and erecting ABC powder type fire extinguisher as per IS : 13849 /15683 of 9 kg capacity with necessary clamp for erection on Wall.	15	No.	4239.00	63585.00
		<b>Fire alarm system</b>				
28	R3-ME-15-32-o	Supply, Installation, testing & commissioning of addressable 4 loop main fire alarm electronic control panel, Shall having maximum 250 devices (any combination detectors plus devices) per loop & Audio/ Visual alarm complete as per IS: 2189 specification - modular type front operated with interlocking door arrangement totally enclosed dust and vermin proof for indoor type applications.	2	Nos.	142924.00	285848.00
29	R3-ME-15-32-e	Supply, Installation, testing & commissioning of Intelligent Heat Detector along with mounting box & termination glands	3	Nos.	3449.00	10347.00

SR NO	ITEM NO	DESCRIPTION	QTY	UNIT	RATE (Exclusive of GST)	AMOUNT
30	R3-ME-15-32-d	Supply, Installation, testing & commissioning of Intelligent Photoelectric Smoke Detector along with mounting box & termination glands.	70	Nos	2249.00	157430.00
31	R3-ME-15-32-k	Supply, Installation, testing & commissioning of Isolator Module along with mounting box & termination glands	16	Nos.	2925.00	46800.00
32	R3-ME-15-32-h	Supply, Installation, testing & commissioning of Addressable Manual call point/ station with mounting back box	15	Nos.	3479.00	52185.00
33	R3-ME-15-32-g	Supply, Installation, testing & commissioning of Strobe Lights along with mounting box & termination glands.	15	Nos.	6380.00	95700.00
34	R3-ME-15-32-i	Supply, Installation, testing & commissioning of Programmable Electronic Sounders (Hooters):	15	Nos.	4880.00	73200.00
35	R3-ME-15-32-c	Supply, Installation, testing & commissioning of 2Cx1.5 sq.mm armoured RED color copper FRLS cable with necessary saddles, screws, junction boxes, sleeves, elbows couplings etc. for Fire alarm System	2800	Rmt.	104.00	291200.00
36	R3-ME-15-33-h	Supplying and erecting FRLS armoured cable 4 core 1.5 sq.mm. copper complete erected on wall/ceiling/trusses as per specification	400	Mtr	357.00	142800.00
		<b>Signage</b>				
37	R3-ME-15-29-a	SITC of Auto glow signage for Emergency Fire Exit	16	Nos.	862.00	13792.00
38	R3-ME-15-29-b	SITC of Auto glow signage for Staircase direction	16	Nos.	862.00	13792.00
39	R3-ME-15-29-c	SITC of Auto glow signage for Do not use lift in case of Fire Etc.	16	Nos.	1149.00	18384.00
		<b>Booster Pump</b>				
40	SWITCH_FIREPUMP	SITC of Operating Switches for Booster Pumps provided in Glass Box with Break glass type operation, The word "FIRE" indication on the front of switch in raised letters, 1.75 inches (44 mm) or larger. Operating Temperature 0-50°C IP54 protection	3	Nos.	5000	15000.00
41	R3-ME-9-59-d	25 mm dia Ball Valve	16	Nos.	5046	80736.00
42	R3-ME-9-59-e	15 mm dia Ball Valve	4	Nos.	4244	16976.00
43	R3-ME-15-3-b	SITC of Booster Pump of 450 LPM at 88 m head	3	NOS	82057.00	246171.00
44	R3-ME-6-19-a	Automatic pump control panel	3	Nos	50982.00	152946.00
<b>TOTAL(Exclusive of GST)</b>						<b>38,57,525.00</b>

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**SECTION 9**

**GENERAL CONDITIONS**

**OF CONTRACT**

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## **General Conditions of Contract**

### **A. General**

#### **1. Definitions**

1.1. Terms which are defined in the Contract Data are not also defined in the Conditions of Contract but keep their defined meanings. Capital initials are used to identify defined terms.

**The “Contract”** shall mean the tender and acceptance thereof and the formal agreement if any, executed between the Contractor, Commissioner and the Corporation together with the documents referred to therein including these conditions and appendices and any special conditions, the specifications, designs, drawings, price schedules, bills of quantities and schedule of rates. All these documents taken together shall be deemed to form one Contract and shall be complementary to one another.

**The Contract Data** defines the documents and other information which comprise the Contract.

**The “Contractor”** shall mean the individual or firm or company whether incorporated or not, whose tender has been accepted by the employer and the legal successor of the individual or firm or company, but not (except with the consent of the Employer) any assignee of such person.

**The Bidder** is a person or corporate body who has desired to submit Bid to carry out the Works, including routine maintenance till the tender process is concluded.

**The Contractor's Bid** is the completed bidding document submitted by the Contractor to the Employer.

**The “Contract Sum”** means the sum named in the letter of acceptance including Physical contingencies subject to such addition thereto or deduction there-from as may be made under the provisions hereinafter contained.

Note :

The contract sum shall include the following –

- In the case of percentage rate contracts the estimated value of works as mentioned in the tender adjusted by the Contractor’s percentage.

- In the case of item rate contracts, the cost of the work arrived at after finalisation of the quantities shown in schedule of items / quantities by the item rates quoted by the tenderers for various items and summation of the extended cost of each item.
- In case of lump sum contract, the sum for which tender is accepted.
- Special discount / rebate / trade discount offered by the tenderer if any and accepted by the Corporation.
- Additions or deletions that are accepted after opening of the tenders.

**The “Contract Cost”** means the Contract Sum plus Price Variation. This cost shall be included in the letter of acceptance.

**A Defect** is any part of the Works not completed in accordance with the Contract.

**The Defects Liability Certificate** is the certificate issued by the Engineer, after the Defect Liability Period has ended and upon correction of Defects by the Contractor.

Drawings means all the drawings, calculations and technical information of a like nature provided by the Engineer to the Contractor under the Contract and all drawings, calculations, samples, patterns, models, operation & maintenance manual and other technical information of like nature submitted by the Contractor and approved by the Engineer.

**The Authority** shall mean Brihanmumbai Municipal Corporation (BMC)

**The “Employer”** shall mean the Brihanmumbai Municipal Corporation (BMC) / Municipal Commissioner of BMC, for the time being holding the said office and also his successors and shall also include all “Additional Municipal Commissioners, Director (Engineering Services & Projects)” and the Deputy Municipal Commissioner, to whom the powers of Municipal Commissioner, have been deputed under Section 56 and 56B of the Mumbai Municipal Corporation Act.

**The Engineer in-charge** shall mean the Executive Engineer in executive charge of the works and shall include the superior officers of the Engineering department i.e. Dy.C.Eng/Ch.Eng. and shall mean and include all the successors in BMC

**The Engineer's Representative** shall mean the Assistant Engineer, Sub. Engineer/Jr. Engineer in direct charge of the works and shall include Sub Eng./ Jr. Eng of Civil section/ Mechanical section/ Electrical section appointed by BMC.

**The “Engineer”** shall mean the City Engineer / the Hydraulic Engineer / the Chief Engineer / the Special Engineer, appointed for the time being or any other officer or officers of the Municipal Corporation who may be authorized by the commissioner to carry out the functions of the City Engineer / the Hydraulic Engineer / the Chief Engineer / the Special Engineer or any other competent person appointed by the employer and notified in writing to the Contractor to act in replacement of the Engineer from time to time.

**Contractor’s Equipment** means all appliances and things of whatsoever nature required for the execution and completions of the Works and the remedying of any defects therein, but does not include plant material or other things intended to form or forming part of the Permanent Works.

**The Initial Contract Price** is the Contract Price listed in the Employer's Letter of Acceptance.

**The Intended Completion Date** is the date on which it is intended that the Contractor shall complete the construction works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Engineer by issuing an extension of time.

**Materials** are all supplies, including consumables, used by the Contractor for incorporation in the Works and works of routine maintenance.

**Plant** is any integral part of the Works that shall have a mechanical, electrical, electronic, chemical, or biological function.

**Routine Maintenance** is the maintenance of activities of the completed structure for five years as specified in the Contract Data.

**The “Site”** shall mean the land and other places including water bodies more specifically mentioned in the special conditions of the tender, on, under in or through which the permanent works or temporary works are to be executed and any other lands and places provided by the Municipal Corporation for working space or any other purpose as may be specifically designated in the contract as forming part of the site.

**Site Investigation Reports** are those that were included in the bidding documents and are reports about the surface and subsurface conditions at the Site.

**“Specification”** shall mean the specification referred to in the tender and any modification thereof or addition or deduction thereto as may from time to time be furnished or approved in writing by the Engineer.

**The Start Date/Commencement Date** is given in the Contract Data. It is the date when the Contractor shall commence execution of the Works. It does not necessarily coincide with any of the Site Possession Dates.

**A Nominated Sub-Contractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the construction work and/or routine maintenance in the Contract, which includes work on the Site.

**Temporary Works** are works designed, constructed, installed, and removed by the Contractor that are needed for construction or installation of the Works.

**Variation** means a change to the:-

- i. Specification and /or Drawings (if any) which is instructed by the Employer.
- ii. Scope in the Contract which is instructed by the Employer.
- iii. Price in the Contract which is instructed by the Employer.

**The Works**, as defined in the Contract Data, are what the Contract requires the Contractor to construct, install, maintain, and turn over to the Employer. Routine maintenance is defined separately.

**Jurisdiction:** In case of any claim, dispute or difference arising in respect of a contract, the cause of action thereof shall be deemed to have arisen in Mumbai and all legal proceedings in respect of any claim, dispute or difference shall be instituted in a competent court in the City of Mumbai only.

## 2. Interpretation

2.1. In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Engineer will provide instructions clarifying queries about these Conditions of Contract.

2.2. If sectional completion is specified in the Contract Data, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).

2.3. The documents forming the Contract shall be interpreted in the following documents: (1) Agreement, (2) Letter of Acceptance, (3) Notice to Proceed with the Work, (4) Contractor's Bid, (5) Contract Data, (6) Special Conditions of Contract Part (7) General Conditions of Contract Part I, (8) Specifications, (9) Drawings, (10) Bill of Quantities, and (11) Any other document listed in the Contract Data.

### **3. Engineer's Decisions**

3.1. Except where otherwise specifically stated, the Engineer will decide contractual matters between the Employer and the Contractor in the role representing the Employer. However, if the Engineer is required under the rules and regulations and orders of the Employer to obtain prior approval of some other authorities for specific actions, he will so obtain the approval, before communicating his decision to the Contractor.

3.2. Except as expressly stated in the Contract, the Engineer shall not have any authority to relieve the Contractor of any of his obligations under the contract.

### **4. Delegation**

4.1. The Engineer, with the approval of the Employer, may delegate any of his duties and responsibilities to other person(s), except to the Adjudicator, after notifying the Contractor, and may cancel any delegation after notifying the Contractor.

### **5. Communications**

All certificates, notices or instructions to be given to the Contractor by Employer/ Engineer shall be sent on the address or contact details given by the Contractor of Bid. The address and contact details for communication with the Employer/ Engineer shall be as per the details given in Contract Data. Communications between parties that are referred to in the conditions shall be in writing. The Notice sent by facsimile (fax) or other electronic means shall be effective on confirmation of the transmission. The Notice sent by Registered post or Speed post shall be effective on delivery or at the expiry of the normal delivery period as undertaken by the postal service.

### **6. Subcontracting**

6.1. Unless specifically mentioned in the contract subletting will not be allowed. Subletting, where otherwise provided by the contract shall not be more than 25% of the contract price.

6.2. The Contractor shall not be required to obtain any consent from the Employer for:

- a. the sub-contracting of any part of the Works for which the Subcontractor is named in the Contract;
- b. the provision for labour, or labour component.
- c. the purchase of Materials which are in accordance with the standards specified in the Contract.

6.3. Beyond what has been stated in clauses 6.1 and 6.2, if the Contractor proposes sub contracting any part of the work during execution of the Works, because of some unforeseen circumstances to enable him to complete the Works as per terms of the Contract, the Employer will consider the following before according approval:

- a) The Contractor shall not sub-contract the whole of the Works.
- b) The permitted subletting of work by the Contractor shall not establish any contractual relation-ship between the sub-contractor and the BMC and shall not relieve the Contractor of any responsibility under the Contract.

6.4. The Engineer should satisfy himself before recommending to the Employer whether

- a) the circumstances warrant such sub-contracting; and
- b) the sub-Contractor so proposed for the Work possesses the experience, qualifications and equipment necessary for the job proposed to be entrusted to him.

## **7. Other Contractors**

7.1. The Contractor shall cooperate and share the Site with other Contractors, public authorities, utilities, and the Employer between the dates given in the Schedule of Other Contractors, as referred to in the Contract Data. The Contractor shall also provide facilities and services for them as described in the Schedule. The Employer may modify the Schedule of Other Contractors, and shall notify the Contractor of any such modification.

7.2. The Contractor should take up the works in convenient reaches as decided by the Engineer to ensure there is least hindrance to the smooth flow and safety of traffic including movement of vehicles and equipment of other Contractors till the completion of the Works.

## **8. Personnel**

8.1. The Contractor shall employ for the construction work and routine maintenance the key personnel including technical personnel named in the Contract Data or other personnel approved by the Engineer. The Engineer will approve any proposed replacement of technical personnel only if their relevant qualifications and abilities are substantially equal to those of the personnel stated in the Contract Data.

8.2. The Contractor's personnel shall appropriately be qualified, skilled and experienced in their respective trades or occupations. The Engineer shall have authority to remove, or cause to be removed, any person employed on the site or works, who carries out duties incompetently or negligently and persists in any conduct which is prejudicial to safety, health or the protection of the environment.

8.3. If the Engineer asks the Contractor to remove a person who is a member of the Contractor's staff or work force, stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the Works in the Contract.

8.4. The Contractor shall not employ any retired Gazetted officer who has worked in the Engineering Department of the BMC /State Government and has either not completed two years after the date of retirement or has not obtained BMC/State Government's permission to employment with the Contractor.

## **9. Employer's and Contractor's Risks**

9.1. The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

## **10. Employer's Risks**

10.1. The Employer is responsible for the excepted risks which are (a) in so far as they directly affect the execution of the Works in the Employer's country, the risks of war, invasion, act of foreign enemies, rebellion, revolution, insurrection or military or usurped power, civil war, riot, commotion or disorder (unless restricted to the Contractor's employees)

and contamination from any nuclear fuel or nuclear waste or radioactive toxic explosive, or (b) a cause due solely to the design of the Works, other than the Contractor's design.

## **11. Contractor's Risks**

11.1. All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks, referred to in clause 10.1, are the responsibility of the Contractor.

## **12. Insurance**

12.1. The Contractor at his cost shall provide, in the joint names of the Employer and the Contractor, insurance cover from the Start Date to the end of Defects Liability Period, in the amounts and deductibles stated in the Contract Data for the following events which are due to the Contractor's risks:

- a) Loss of or damage to the Works, Plant and Materials;
- b) Loss of or damage to Equipment;
- c) Loss of or damage to property (other than the Works, Plant, Materials, and Equipment) in connection with the Contract; and
- d) Personal injury or death.

12.2. Insurance policies and certificates for insurance shall be delivered by the Contractor to the Engineer for the Engineer's approval before the Start Date. All such insurance shall provide for compensation to be payable in the types and proportions of currencies required to rectify the loss or damage incurred.

12.3. Alterations to the terms of insurance shall not be made without the approval of the Engineer.

12.4. Both parties shall comply with any conditions of the insurance policies.

12.5. If the Contractor does not provide any of the policies and certificates required, the Employer may affect the insurance which the Contractor should have provided and recover the premiums the Employer has paid, from payments otherwise due to the Contractor or if no payment is due, the payment of premiums shall be debt due.

## **13. Site Investigation Reports**

13.1. The Contractor, in preparing the Bid, may rely, at his own risk, on any Site Investigation Reports referred to in the Contract Data, supplemented by any other information available to him, before submitting the bid.

## **14. Queries about the Contract Data**

14.1 The Engineer will clarify queries on the Contract Data.



## **15. Contractor to Construct the Works and Undertake Maintenance (if specified in the tender)**

15.1. The Contractor shall construct, and install and maintain the Works in accordance with the Specifications and Drawings and as per instructions of the Engineer.

15.2. The Contractor shall construct the works with intermediate technology, i.e., by manual means with medium input of machinery required to ensure the quality of works as per specifications. The Contractor shall deploy the equipment and machinery as required in the contract.

15.3. The Contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation.

During continuance of the contract, the Contractor and his sub-contractors shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and byelaws of the State or Central Government, or local authorities and any other law, bye-law, regulations that may be passed or notification that may be issued in future by the State or Central Government or the local authority. Salient features of some of the major laws that are applicable are given below:

- The Water (Prevention and Control of Pollution) Act, 1974, this provides for the prevention and control of water pollution and the maintaining and restoring of wholesomeness of water. 'Pollution' means such contamination of water or such alteration of the physical, chemical or biological properties of water or such discharge of any sewage or trade effluent or of any other liquid, gaseous or solid substance into water (whether directly or indirectly) as may, or is likely to, create a nuisance or render such water harmful or injurious to public health or safety, or to domestic, commercial, industrial, agricultural or other legitimate uses, or to the life and health of animals or plants or of aquatic organisms.
- The Air (Prevention and Control of Pollution) Act, 1981, this provides for prevention, control and abatement of air pollution. 'Air Pollution' means the presence in the atmosphere of any 'air pollutant', which means any solid, liquid or gaseous substance (including noise) present in the atmosphere in such concentration as may be or tend to be injurious to human beings or other living creatures or plants or property or environment.

- The Environment (Protection) Act, 1986, this provides for the protection and improvement of environment and for matters connected therewith, and the prevention of hazards to human beings, other living creatures, plants and property. 'Environment' includes water, air and land and the inter-relationship which exists among and between water, air and land, and human beings, other living creatures, plants, micro-organism and property.
- The Public Liability Insurance Act, 1991, This provides for public liability insurance for the purpose of providing immediate relief to the persons affected by accident occurring while handling hazardous substances and for matters connected herewith or incidental thereto. Hazardous substance means any substance or preparation which is defined as hazardous substance under the Environment (Protection) Act 1986, and exceeding such quantity as may be specified by notification by the Central Government.

## **16.The Works and Routine Maintenance to be completed by the Intended Completion Date**

16.1. The Contractor may commence execution of the Works on the Start Date and shall carry out the Works and Routine Maintenance, if specified in the tender, in accordance with the Programme submitted by the Contractor, as updated with the approval of the Engineer, and complete them by the Intended Completion Date.

## **17.Approval by the Engineer**

17.1.The Contractor shall submit Specifications and Drawings showing the proposed Temporary Works to the Engineer, who is to approve them if they comply with the Specifications and Drawings.

17.2. The Contractor shall be responsible for design and safety of Temporary Works.

17.3. The Engineer's approval shall not alter the Contractor's responsibility for design and safety of the Temporary Works.

17.4.The Contractor shall obtain approval of third parties to the design of the Temporary Works, where required.

17.5. All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject to prior approval by the Engineer before their use.

## **18.Safety**

18.1.The Contractor shall be responsible for the safety of all activities on the Site. He shall comply with all applicable safety requirements and take care of safety of all persons entitled to be on the site and the works. He shall use reasonable efforts to keep the site and the works, both during construction and maintenance, clear of unnecessary obstruction so as to avoid danger to the persons and the users.

- Workers employed on mixing asphaltic materials, cement and lime mortars shall be provided with protective footwear and protective goggles.
- Stone breaker shall be provided with protective goggles and protective clothing and seated at sufficiently safe intervals.
- The area should be barricaded or cordoned off by suitable means to avoid mishaps of any kind. Power warning signs should be displayed for the safety of the public whenever cleaning works are undertaken during night or day.
- The workers engaged for cleaning the manholes/sewers should be properly trained before allowing working in the manhole.

### **18.2.Safety Programs:-**

- I. Have adequate safety supervision in place to ensure that safety programs set up by the firms/agencies are in compliance with prevalent laws and regulations.
- II. Review safety programs developed by each of the trade firms, prepare and submit a comprehensive safety program.
- III. Monitor day to day implementation of safety procedures.

### **18.3.First Aid Facilities: -**

- i. At every work place there shall be provided and maintained, so as to be easily accessible during working hours, first-aid boxes at the rate of not less than one box for 150 contract labour or part thereof ordinarily employed.
- ii. The first-aid box shall be distinctly marked with a red cross on white background.
- iii. Adequate arrangements shall be made for immediate recoupment of the equipment when necessary.

- iv. Nothing except the prescribed contents shall be kept in the First-aid box.
- v. The first-aid box shall be kept in charge of a responsible person who shall always be readily available during the working hours of the work place.
- vi. A person in charge of the First-aid box shall be a person trained in First-aid treatment, in the work places where the number of contract labour employed is 150 or more.

## **19. Discoveries**

19.1. Anything of historical or other interest or of significant value unexpectedly discovered on the Site shall be the property of the Employer. The Contractor shall notify the Engineer of such discoveries and carry out the Engineer's instructions for dealing with them.

## **20. Possession of the Site**

20.1. The Employer shall handover complete or part possession of the site to the Contractor 7 days in advance of construction programme. At the start of the work, the Employer shall handover the possession of at-least 75% of the site free of all encumbrances, the remaining 25 % of the possession as per contractor's construction programme.

## **21. Access to the Site**

21.1. The Contractor shall allow access to the Site and to any place where work in connection with the Contract is being carried out, or is intended to be carried out to the Engineer and any person/persons/agency authorized by: a. The Engineer b. The Employer or authorized by the Employer.

## **22. Instructions**

22.1. The Contractor shall carry out all instructions of the Engineer, which comply with the applicable laws where the Site is located.

22.2. The Contractor shall permit the appointed and/or authorized persons to inspect the Site and/or accounts and records of the Contractor and its subcontractors relating to the performance of the Contract, and to have such accounts and records audited by auditors appointed, if so required. The Contractor's attention is invited to Clause of 'Fraud and Corruption', which provides, inter alia, that acts intended to materially impede the

exercise of the inspection and audit rights provided for under the Clause & constitute a obstructive practice subject to contract termination.

22.3. Engineer to have power to issue further drawings or instructions: The Engineer shall have the power and authority from time to time and at all times to make and issue such further drawings and to give such further instructions and directions as may appear to him necessary or proper for the guidance of the contractor and the good and sufficient execution of the works according to terms of the specifications and Contractor shall receive, execute, obey and be bound by the same, according to the true intent and meaning thereof, as fully and effectually as though the same had accompanied or had been mentioned or referred to in the specification, and the Engineer may also alter or vary the levels or position of nature of works contemplated by the specifications, or may order any of the works contemplated thereby to be omitted, with or without the substitution of any other works in lieu thereof, or may order any work or any portion of work executed or partially executed, to be removed, changed or altered, added if needful, may order that other works shall be substituted instead thereof and difference of expense occasioned by any such diminution or alteration so ordered and directed shall be added to or deducted from the amount of this Contract, as provided under condition no.10(a) hereinafter.

No work which radically changes the original nature of the Contract shall be ordered by the Engineer and in the event of any deviation being ordered which in the opinion of the Contractor changes the original nature of Contract he shall nevertheless carry it out and disagreement as to the nature of the work and the rate to be paid therefore shall be resolved in accordance with condition no.13d.

The time for completion of the Works, shall be in even of any deviations resulting in additional cost over the contract price being ordered, be extended or reduced reasonably by the Engineer. The Engineer's decision in this case shall be final.

## **B. Time Control**

### **23. Programme**

23.1. Within the time stated in the Contract Data, the Contractor shall submit to the Engineer for approval a Programme, including Environment Management Plan showing the general methods, arrangements, order, and timing for all the activities in the Works, along with monthly cash flow forecasts for the construction of works.

After the completion of the construction works, the programme for the Routine Maintenance Work, showing the general methods, arrangements, order and timing for all the activities involved in the Routine Maintenance will also be submitted by the Contractor to the Engineer for approval if specified in the tender. The programme for Routine Maintenance will be submitted in each year for the period of Maintenance.

23.2. The Contractor shall submit the list of equipment and machinery being brought to site, the list of key personnel being deployed, the list of machinery/ equipments being placed in field laboratory and the location of field laboratory along with the Programme. The Engineer shall cause these details to be verified at each appropriate stage of the programme.

23.3. An update of the Programme shall be a programme showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining Works, including any changes to the sequence of the activities.

23.4. The Contractor shall submit to the Engineer for approval an updated Programme at intervals no longer than the period stated in the Contract Data. If the Contractor does not submit an updated Programme within this period, the Engineer may withhold the amount stated in the Contract Data from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Programme has been submitted.

23.5. The Engineer's approval of the Programme shall not alter the Contractor's obligations. The Contractor may revise the Programme and submit it to the Engineer again at any time. A revised Programme shall show the effect of Variations and Compensation Events.

## **24. Extension Of Time In Contracts :**

Subject to any requirement in the contract as to completion of any portions or portions of the works before completion of the whole, the contractor shall fully and finally complete the whole of the works comprised in the contract (with such modifications as may be directed under conditions of this contract) by the date entered in the contract or extended date in terms of the following clauses:

### **a) Extension attributable to BMC**

- i. **Extension Due To Modification:** If any modifications have been ordered which in the opinion of the Engineer have materially increased the magnitude of the work, then such extension of the contracted date of completion may be granted as

shall appear to the Engineer to be reasonable in the circumstances, provided moreover that the Contractor shall be responsible for requesting such extension of the date as may be considered necessary as soon as the cause thereof shall arise and in any case **should not be less than 30 days before the expiry of the date fixed for completion of the works.**

- ii. **Extension For Delay Due To BMC:** In the event of any failure or delay by the BMC to hand over the Contractor possession of the lands necessary for the execution of the works or to give the necessary notice to commence the works or to provide the necessary drawings or instructions or any other delay caused by the BMC due to any other cause whatsoever, then such failure or delay shall in no way affect or vitiate the contract or alter the character thereof or entitle the contractor to damages or compensation therefore, but in any such case, the BMC may grant such extension(s) of the completion date as may be considered reasonable.

**Note: For extension of time period as governed in (i) and (ii) above, any modifications in design/drawings, specifications, quantities shall be needed to be justified with recorded reasons with approval of City Engineer (C.E) for not anticipating the same while preparing estimates and draft tender.**

**b) Extension Of Time For Delay Due To Contractor :**

The time for the execution of the work or part of the works specified in the contract documents shall be deemed to be the essence of the contract and the works must be completed no later than the date(s) / the programme for completion of work as specified in the contract. If the contractor fails to complete the works within the time as specified in the contract for the reasons other than the reasons specified in above as (a.i) and (a.ii), the BMC may, if satisfied that the works can be completed by the contractor within reasonable short time thereafter, extension the BMC will be entitled without prejudice to any other right and remedy available on that behalf, to recover the compensation as governed by Clause 8(e) of GCC.

For the purpose of this Clause, the contract value of the works shall be taken as value of work as per contract agreement including any supplementary work order/contract agreement issued.

**Further, competent authority while granting extension to the currency of contract under Clause (b) of as above may also consider levy of penalty, as deemed fit based on the merit of the case. Also, the reasons for granting extension shall be properly documented.**

## **25. Delays Ordered by the Engineer**

25.1. The Engineer may instruct the Contractor to delay the start or progress of any activity within the Works. Delay/delays totalling more than 30 days will require prior written approval of the DMC/AMC.

## **26. Management Meetings**

26.1. The Engineer may require the Contractor to attend a management meeting. The business of a management meeting shall be to review the plans for progress of the Works.

26.2. The Engineer shall record the business of management meetings and provide copies of the record to those attending the meeting. The responsibility of the parties for actions to be taken shall be decided by the Engineer either at the management meeting or after the management meeting and stated in writing to all those who attended the meeting.

## **C. Quality Control**

27.

### **27.1. Work to be open to Inspection and Contractor or Responsible agent to be present**

All works under or in course of execution or executed in pursuance of the contract shall at all times be open to the inspection and supervision of the Eng-in-charge and his subordinates and the contractor shall at all times during the usual working hours, at all other times, during the usual working hours and at all other times at which reasonable notice of the intention of the Eng-in-charge and his subordinates to visit the works shall have been given to the contractor, either himself be present to receive orders and instruction or have responsible agent duly accredited in writing present for that purpose. Order given to the contractors' duly authorized agent shall be considered to have the same force and effect as if they had been given to the contractor himself.

### **27.2. Notice To Be Given Before Work Is Covered Up**



The contractor shall give not less than ten days' notice in writing to the Eng-In-Charge or his subordinate incharge of the work before covering up or otherwise placing beyond the reach of measurement any work in order that the same may be measured and correct dimension thereof taken before the same is so covered up or placed beyond the reach of measurements and shall not cover up or place beyond the reach of measurement any work without the consent in writing of the Eng-In-Charge or his subordinate incharge of the work, and if any work shall be covered up or placed beyond the reach of measurement, without such notice having been given or consent obtained the same shall be uncovered at the contractors expenses, and in default thereof no payment or allowance shall be made for such work or for the materials with which the same was executed

### **27.3.Works to be executed in accordance with specifications / drawings / orders etc. :**

The contractor shall execute the whole and every part of the work the most substantial and workman like manner and both has regards material and every other respect in strict accordance with specifications. The contractor shall also confirm exactly, fully and faithfully to the designs, drawings and instructions in writing relating to the work signed by the Engineer In-charge and lodged in his office and to which the contractor shall be entitled to have access for the purpose of inspection at such office, or on the site or work during office hours. The contractor shall be entitled to receive three sets of contract drawings and working drawings as well as one certified copy of the accepted tender along with the work order free of cost.

### **27.4.Ready Mix Concrete/ Asphalt Mix**

- i) The contractor shall have to arrange Ready Mix concrete (RMC)/Asphalt from RMC/ASPHALT producing plants registered with BMC.
- ii) The contractor shall, within 7 days of award of the work, submit a list of at least three RMC/Asphalt producers with details of such plants including details and number of transit, mixers & pumps etc. to be deployed indicating name of owner/company, its location, capacity, and technical establishment.

The Engineer-in-charge will reserve right to inspect at any stage and reject the concrete if he is not satisfied about quality of product at the user's end.

iii) The Engineer-in-charge reserves the right to exercise control over the:-

- a) Calibration check of the RMC/Asphalt plant.
- b) Weight and quantity check on the ingredients, water and admixtures added for batch mixing for RMC plants
- c) Time of mixing of concrete/grade of asphalt.
- d) Testing of fresh concrete/asphalt mix, recording of results and declaring the mix fit or unfit for use. This will include continuous control on the work ability during production and taking corrective action, if required.
- e) For exercising such control, the Engineer-in-charge shall periodically depute his authorized representative at the RMC/Asphalt plant. It shall be responsibility of the contractor to ensure that all necessary equipment, manpower & facilities are made available to Engineer-in-charge and or his authorized representative at RMC/Asphalt plant.
- f) All required relevant records of RMC/Asphalt mix shall be made available to the Engineer-in-charge or his authorized representative. Engineer-in-charge shall, as required, specify guidelines & additional procedures for quality control & other parameters in respect of material production & transportation of concrete mix which shall be binding on the contractor & the RMC/Asphalt plant. Only concrete as approved in design mix by Engineer-in-charge shall be produced in RMC plant and transported to the site.
- g) The contractor shall have to produce a copy of challan receipts/SCADA reports/VTS reports as issued by the RMC/Asphalt plant as a documentary proof in lieu of supply of RMC/Asphalt mix before releasing payment.

## **28. Identifying Defects**

28.1. The Engineer shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Engineer may instruct the Contractor to search for a Defect and to uncover and test any work that the Engineer considers may have a Defect.

28.2.The Contractor shall permit the Employer’s technical person(s) to check the Contractor’s work and notify the Engineer and Contractor if any defects that are found.

## 29. Tests

29.1.For carrying out mandatory tests as prescribed in the specifications, the Contractor shall establish field laboratory at the location decided by Engineer. The field laboratory will have minimum of equipments as specified in the Contract Data. The contractor shall be solely responsible for:

- a) Carrying out the mandatory tests prescribed in the Specifications, and
- b) For the correctness of the test results, whether preformed in his laboratory or elsewhere.

29.2.If the Engineer instructs the Contractor to carry out a test not specified in the Specification/ Quality Assurance Handbook to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no defect, the test shall be a compensation event.

When required by the Engineer-in-charge the contractor(s) shall supply for the purpose of testing samples of all materials proposed to be used in the works. Samples submitted either to govern bulk supplies or required for testing before use shall be in suitable packages to contain them and shall be provided free of charge by the contractor. The cost of testing shall be borne by the contractor even if the result of the sample confirm or do not confirm to the relevant BIS code specifications.

- i. All expenditure required to be incurred for taking the samples conveyance, packing shall be borne by the contractor himself.
- ii. The failed material shall be removed from the site by the contractor at his own cost within a week time of written order of the Engineer-in-charge.

### 29.3.Setting of Site Laboratories:

Contractors shall set up a laboratory at site before commencement of work at their cost for performing various tests and at least the following machines and equipments shall be provided therein –

1. Set of Sieves as per I.R.C. /I.S.
2. Compressive Testing Machine(For new works)
3. Oven, Electrically Operated
4. Weighing Balance (20 kg capacity)
5. 3 m straight edge
6. Sieve shaker
7. First Aid Box
8. Measuring Jar (for silt content)
9. Other Machines/apparatus as may be directed by the Engineer
10. Vernier Caliber
11. Level / Theodolite

All the test records shall be maintained in the site office and made available as and when required. The laboratory must be established within 15 days from the date of receipt of the orders from Engineer In charge. On failure to do so, a penalty of Rs 1000/- per day shall be imposed.

The contractor shall install testing equipment at site. The contractor shall ensure and certify the calibration of the equipment so installed and shall maintain the same in working order throughout the period of construction. The contractor shall also provide necessary technically qualified experienced trained staff for carrying out such tests for using such equipment. The tests shall be carried out under the supervision of the Engineer-in-charge. The calibration shall be checked every twelve months as directed by Engineer-in-charge.

### **30. Correction of Defects noticed during the Defects Liability Period.**

30.1.(a) The Engineer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion and ends after five years. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.

(b) Every time notice of Defect/Defects is given, the Contractor shall correct the notified Defect/Defects within the duration of time specified by the Engineer's notice.

(c) The Engineer may issue notice to the Contractor to carry out removal of defects or deficiencies, if any, noticed in his inspection, or brought to his notice. The Contractor shall remove the defects and deficiencies within the period specified in the notice and submit to the Engineer a compliance report.

### **31. Uncorrected Defects and Deficiencies**

31.1. If the Contractor has not corrected a Defect pertaining to the Defect Liability Period under clause and deficiencies in maintenance, to the satisfaction of the Engineer, within the time specified in the Engineer's notice, the Engineer will assess the cost of having the Defect or deficiency corrected, and the Contractor shall pay this amount, on correction of the Defect or deficiency by another agency.

## **D. Cost Control**

### **32. Variations**

The Engineer shall, having regard to the scope of the Works and the sanctioned estimated cost, have power to order, in writing, Variations within the scope of the Works he considers necessary or advisable during the progress of the Works. Such Variations shall form part of the Contract and the Contractor shall carry them out and include them in updated Programmes produced by the Contractor. Oral orders of the Engineer for Variations, unless followed by written confirmation, shall not be taken into account.

### **33. Payments for Variations**

33.1. If rates for Variation items are specified in the Bill of Quantities, the Contractor shall carry out such work at the same rate.

33.2. The rate for Extra/Excess shall be governed by clause 10.A of Standard General Condition of Contract

### **34. Cash Flow Forecasts**

When the Programme is updated, the Contractor shall provide the Engineer with an updated cash flow forecast.

### **35. Payment Certificates**

The payment to the Contractor will be as follows for construction work:

- a) A bill shall be submitted by the Contractor monthly or before the date fixed by the Engineer In-charge for all works executed in the previous month, and the Engineer In-charge shall take or cause to be taken requisite measurement for the purpose of having the same verified and the claim, so far as it is admissible, shall be adjusted, if possible, within 10 days from the presentation of the bill. If the contractor does not submit the bill within the time fixed as aforesaid, the Engineer In-charge may depute a subordinate to measure up the said work in the presence of the contractor or his duly authorized agent whose counter signature to the measurement list shall be sufficient warrant, and Engineer In-Charge may prepare a bill from such list which shall be binding on the contractor in all respects.
- b) The Engineer shall check the Contractor's fortnightly/monthly statement within 14 days and certify the amount to be paid to the Contractor.
- c) The value of work executed shall be determined, based on measurements by the Engineer.
- d) The value of work executed shall comprise the value of the quantities of the items in the Bill of Quantities completed.
- e) The value of work executed shall also include the valuation of Variations and Compensation Events.
- f) The Engineer may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information. (g) The contractor shall submit all bills on the printed forms at the office of Engineer In-charge. The charges to be made in the bills shall always be entered at the rates specified in tender.

### **36. Payments**

36.1. Payments shall be adjusted for deductions for advance payments, retention, security deposit, other recoveries in terms of the Contract and taxes at source, as applicable under the law. The Employer shall pay the Contractor the amounts certified by the Engineer within 15 days of the date of each certificate.

36.2. All sums payable by a contractor by way of compensation under any of these conditions, shall be considered as a reasonable compensation to be applied to the use of BMC without reference to the actual loss or damage sustained and whether any damage has or has not been sustained.

36.3. No payment shall be made for any work estimated to cost less than Rupees One Thousand till after the whole of work shall have been completed and the certificate of completion given. But in the case of works estimated to cost more than Rs. One Thousand, the contractor shall on submitting a monthly bill therefore be entitled to receive payment proportionate to the part of the work than approved and passed by the Engineer In-charge, whose certificate of such approval and passing of the sum so payable shall be final and conclusive against the contractor. All such intermediate payments shall be regarded as payments by way of advance against the final payments only and not as payments for work actual done and completed and shall not preclude the Engineer In-charge from requiring any bad, unsound, imperfect or unskilful work to be removed or taken away and reconstructed or re-erected nor shall any such payment be considered as an admission of the due performance of the contract or any part thereof in any respect or the offering of any claim not shall it conclude, determine or effect in any other way, the powers of the Engineer In-charge as to the final settlement and adjustment of the accounts or otherwise, or in any other way vary or effect the contract. The final bill shall be submitted by the Contractor within one month of the date fixed for the completion of the work otherwise the Engineer In-charge's certificate of the measurements and of the total amount payable for the work shall be final and binding on all parties.

37. The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor for not having given early warning or not having cooperated with the Engineer.

### **38. Tax**

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 claimed 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.

### **39.Currencies**

All payments will be made in Indian Rupees.

### **40. Liquidated Damages**

Both, the Contractor and the Employer have agreed that it is not feasible to precisely estimate the amount of losses due to delay in completion of works and the losses to the public and the economy, therefore, both the parties have agreed that the Contractor shall pay liquidated damages to the Employer and not by way of penalty, at the rate per week or part thereof stated in the Contract Data for the period that the Completion Date is later than the Intended Completion Date. Liquidated damages at the same rates shall be withheld if the Contractor fails to achieve the milestones prescribed in the Contract Data. However, in case the Contractor achieves the next milestone, the amount of the liquidated damages already withheld shall be restored to the Contractor by adjustment in the next payment certificate. The Employer and the contractor have agreed that this is a reasonable agreed amount of liquidated damage. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor's other liabilities.

### **41.Cost of Repairs**

Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Correction periods shall be remedied by the Contractor at this cost if the loss or damage arises from the Contractor's acts or omissions.

## **E. Finishing the Contract**

### **42.Completion of Construction and Maintenance**

42.1.The Contractor shall request the Engineer to issue a certificate of completion of the construction of the works, and the Engineer will do so upon deciding that the works is completed. This shall be governed as per clause no.8(g) of Standard General Conditions of Contract.



### 43. Taking Over

43.1. The Employer shall take over the works within seven days of the Engineer issuing a certificate of completion of works. The Contractor shall continue to remain responsible for its routine maintenance during the maintenance period if specified in the contract.

### 44. Final Account

Final joint measurement along with the representatives of the contractor should be taken recorded and signed by the Contractors. Contractors should submit the final bill within 1 month of physical completion of the work.

If the contractor fails to submit the final bill within 1 month, the BMC staff will prepare the final bill based on the joint measurement within next 3 months.

Engineer's decision shall be final in respect of claims for defect and pending claims against contractors.

No further claims should be made by the Contractor after submission of the final bill and these shall be deemed to have been waived and extinguished. Payment of those items of the bills in respect of which there is no dispute and of items in dispute, for quantities and rates as approved by the Commissioner shall be made within a reasonable period as may be necessary for the purpose of verification etc.

After payment of the final bill as aforesaid has been made, the contractor may, if he so desires, reconsider his position in respect of a disputed portion of the final bills and if he fails to do so within 84 days, his disputed claim shall be dealt with as provided in the contract.

A percentage of the retention money, over and above the actual retention money as indicated below shall be held back from payments till the finalization of final bill to be submitted as per above and will be paid within 30 days of acceptance of the final bill.

Sr. No	Amount of contract cost	Minimum payable amount in final bill
1	Up to Rs. 5 Crs.	Rs. 10 Lacs or final bill amount whichever is more
2	Up to Rs. 25 Crs.	Rs. 1 Crore or final bill amount whichever is more
3	Up to Rs. 50 Crs.	Rs. 2 Crore or final bill amount whichever is more
4	Up to Rs. 100 Crs.	Rs. 4 Crore or final bill amount whichever is more
5	More than Rs. 100 Crs.	Rs. 7 Crore or final bill amount whichever is more

The contractor has to 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, penalty or action as shown below will be taken for each delayed bill:-

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

#### **45. Operating and Maintenance Manuals**

45.1.If "as built" Drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the Contract Data.

45.2. If the Contractor does not supply the Drawings and/or manuals by the dates stated in the Contract Data, or they do not receive the Engineer's approval, the Engineer shall withhold the amount stated in the Contract Data from payments due to the Contractor.

#### **46. Termination**

46.1.The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract.

46.2.Fundamental breaches of Contract shall include, but shall not be limited to, the following:

- a) The Contractor stops work for 30 days when no stoppage of work is shown on the current Programme and the stoppage has not been authorized by the Engineer;
- b) The Contractor is declared as bankrupt or goes into liquidation other than for approved reconstruction or amalgamation;
- c) The Engineer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Engineer;

- d) The Contractor does not maintain a Security, which is required;
- e) The Contractor has delayed the completion of the Works by the number of days for which the maximum amount of liquidated damages can be paid, as defined in relevant clause.
- f) The Contractor fails to provide insurance cover as required under relevant clause .
- g) If the Contractor, in the judgment of the Employer, has engaged in the corrupt or fraudulent practices as defined in GCC in competing for or in executing the Contract.
- h) If the Contractor fails to set up a field laboratory with the prescribed equipment, within the period specified in the Contract Data; and
- i) Any other fundamental breaches as specified in the Contract Data.
- j) If the Contractor fails to deploy machinery and equipment or personnel as specified in the Contract Data at the appropriate time.

46.3. When either party to the contract gives notice of a breach of contract to the Engineer for a cause other than those listed above, the Engineer shall decide whether the breach is fundamental or not.

46.4. Notwithstanding the above, the Employer may terminate the Contract for convenience.

46.5. If the Contract is terminated, the Contractor shall stop work immediately, make the Site safe and secure, and leave the Site as soon as reasonably possible.

#### **47. Payment upon Termination**

47.1. If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Engineer shall issue a certificate for value of the work done and materials ordered less liquidated damages, if any, less advance payments received up to the date of the issue of the certificate and less the percentage to apply to the value of the work not completed, as indicated in the Contract Data. If the total amount due to the Employer exceeds any payment due to the Contractor, the difference shall be recovered from the security deposit, and performance security. If any amount is still left un-recovered it will be a debt due from the Contractor to the Employer

47.2.If the Contract is terminated at the Employer's convenience, the Engineer shall issue a certificate for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the Contract, and less taxes due to be deducted at source as per applicable law.

#### **48.Property**

48.1.All Materials on the Site, Plant, Equipment, Temporary Works, and Works shall be deemed to be the property of the Employer for use for completing balance construction work if the Contract is terminated because of the Contractor's default, till the Works is completed after which it will be transferred to the Contractor and credit, if any, given for its use.

#### **49.Release from Performance**

If the Contract is frustrated by the outbreak of war or by any other event entirely outside the control of the Employer or the Contractor, the Engineer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which a commitment was made.

### **F. Other Conditions of Contract**

#### **50.Labour**

50.1.The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport.

50.2.The Contractor shall, if required by the Engineer, deliver to the Engineer a return in detail, in such form and at such intervals as the Engineer may prescribe, showing the staff and the number of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the Engineer may require.

#### **51.Compliance with Labour Regulations**

- a) During continuance of the Contract, the Contractor and his sub-Contractors shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority.
- b) Furthermore, the Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made there under, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, the Engineer/Employer shall have the right to deduct any money due to the Contractor including his amount of performance guarantee. The Employer/Engineer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.
- c) The Contractor shall require his employees to obey all applicable laws, including those concerning safety at work.
- d) The employees of the Contractor and the Sub-Contractor in no case shall be treated as the employees of the Employer at any point of time.

## **52. Drawings and Photographs of the Works**

52.1. The Contractor shall do photography/video photography of the site firstly before the start of the work, secondly mid-way in the execution of different stages of work as required by Engineer In-charge and lastly after the completion of the work. No separate payment will be made to the Contractor for this.

52.2. The Contractor shall not disclose details of Drawings furnished to him and works on which he is engaged without the prior approval of the Engineer in writing. No photograph of the works or any part thereof or plant employed thereon, except those permitted under above clause, shall be taken or permitted by the Contractor to be taken by any of his employees or any employees of his sub-Contractors without the prior approval of the

Engineer in writing. No photographs/ Video photography shall be published or otherwise circulated without the approval of the Engineer in writing.

### **53. The Apprentices Act, 1961**

The Contractor shall duly comply with the provisions of the Apprentices Act 1961 (III of 1961), the rules made there under and the orders that may be issued from time to time under the said Act and the said Rules and on his failure or neglect to do so, he shall be subject to all liabilities and penalties provided by the said Act and said Rules.

### **54. Contract Document**

The documents forming the contract are to be taken as mutually explanatory of one another. Unless otherwise provided in the contract, the priority of the documents forming the contract shall be, as follows:

- 1) Contract Agreement (if completed)
- 2) The letter of Acceptance
- 3) The Bid:
- 4) Addendum to Bid; if any
- 5) Tender Document
- 6) The Bill of Quantities:
- 7) The Specification:
- 8) Detailed Engineering Drawings
- 9) Standard General Conditions of Contracts (GCC)
- 10) All correspondence documents between bidder/contractor and BMC.

### **55. Conflict of Interest**

The Applicant shall not have a conflict of interest (the “Conflict of Interest”) that affects the Bidding Process. Any Applicant found to have a Conflict of Interest shall be disqualified. An Applicant shall be deemed to have a Conflict of Interest affecting the Bidding Process, if

1. A constituent of such Applicant is also a constituent of another Applicant; or

2. Such Applicant has the same legal representative for purposes of this Application as any other Applicant; or
3. Such Applicant, or any Associate thereof has a relationship with another Applicant, or any Associate thereof, directly or through common third party/ parties, that puts either or both of them in a position to have access to each other's information about, or to influence the Application of either or each other; or
4. The Applicant shall be liable for disqualification if any legal, financial or technical adviser of the Authority in relation to the Project is engaged by the Applicant, its Member or any Associate thereof, as the case may be, in any manner for matters related to or incidental to the Project. For the avoidance of doubt, this disqualification shall not apply where such adviser was engaged by the Applicant, its Member or Associate in the past but its assignment expired or was terminated 6 (six) months prior to the date of issue of this TENDER. Nor will this disqualification apply where such adviser is engaged after a period of 3 (three) years from the date of commercial operation of the Project.

#### **56.Applications and costs thereof**

No Applicant shall submit more than one Application for the Project. An applicant applying individually shall not be entitled to submit another application either individually. The Applicant shall be responsible for all of the costs associated with the preparation of their Applications and their participation in the Bid Process. The Authority will not be responsible or in any way liable for such costs, regardless of the conduct or outcome of the Bidding Process.

#### **57.Acknowledgment by Applicant**

It shall be deemed that by submitting the Application, the Applicant has:

- a. made a complete and careful examination of the tender;
- b. received all relevant information requested from the Authority;
- c. accepted the risk of inadequacy, error or mistake in the information provided in the tender or furnished by or on behalf of the Authority relating to any of the matters referred; and

- d. Agreed to be bound by the undertakings provided by it under and in terms hereof. “The Authority” shall not be liable for any omission, mistake or error in respect of any of the above or on account of any matter or thing arising out of or concerning or relating to the TENDER or the Bidding Process, including any error or mistake therein or in any information or data given by the Authority.

### **58. Right to accept or reject any or all Applications/ Bids**

Notwithstanding anything contained in this TENDER, “The Authority” reserves the right to accept or reject any Application and to annul the Bidding Process and reject all Applications/ Bids, at any time without any liability or any obligation for such acceptance, rejection or annulment, and without assigning any reasons therefore. In the event that the Authority rejects or annuls all the Bids, it may, in its discretion, invite all eligible Bidders to submit fresh Bids hereunder.

“The Authority” reserves the right to reject any Application and/ or Bid if:

- a) at any time, a material misrepresentation is made or uncovered, or
- b) the Applicant does not provide, within the time specified by the Authority, the supplemental information sought by the Authority for evaluation of the Application. In case it is found during the evaluation or at any time before signing of the Agreement or after its execution and during the period of subsistence thereof including the concession thereby granted by “The Authority”, that one or more of the pre-qualification conditions have not been met by the Applicant, or the Applicant has made material misrepresentation or has given any materially incorrect or false information, the Applicant shall be disqualified forthwith if not yet appointed as the Successful Bidder either by issue of the LOA (Letter of Approval) or entering into of the Agreement, and if the Applicant has already been issued the LOA or has entered into the Concession Agreement, as the case may be, the same shall, notwithstanding anything to the contrary contained therein or in this TENDER, be liable to be terminated, by a communication in writing by “The Authority” to the Applicant, without the Authority being liable in any manner whatsoever to the Applicant and without prejudice to any other right or remedy which the Authority may have under



this TENDER, the Bidding Documents, the Concession Agreement or under applicable law.

“The Authority” reserves the right to verify all statements, information and documents submitted by the Applicant in response to the TENDER. Any such verification or lack of such verification by the Authority shall not relieve the Applicant of its obligations or liabilities hereunder nor will it affect any rights of the Authority there under.

#### **59. The bid shall be rejected if the bidder-**

- a. Stipulates the validity period less than 180 days.
- b. Stipulates own condition/conditions.
- c. Does not fill and (digital) sign undertaking forms, which are incorporated, in the document.

#### **60. Clarifications**

Applicants requiring any clarification on the tender may notify “the Authority” in writing or by fax or e-mail. They should send in their queries before the date specified in the header data. “The Authority” shall Endeavour to respond to the queries within the period specified therein. The responses will be sent by fax and/or e-mail. The Authority will forward all the queries and its responses thereto, to all purchasers of the TENDER without identifying the source of queries.

“The Authority” shall Endeavour to respond to the questions raised or clarifications sought by the Applicants. However, the Authority reserves the right not to respond to any question or provide any clarification, in its sole discretion, and nothing in this Clause shall be taken or read as compelling or requiring the Authority to respond to any question or to provide any clarification, but not later than the date provided in header data.

“The Authority” may also on its own motion, if deemed necessary, issue interpretations and clarifications to all Applicants. All clarifications and interpretations issued by the Authority shall be deemed to be part of the tender. Verbal clarifications and information given by Authority or its employees or representatives shall not in any way or manner be binding on the Authority.

## **61. Amendment of tender**

At any time prior to the deadline for submission of Application, the Authority may, for any reason, whether at its own initiative or in response to clarifications requested by an Applicant, modify the tender by the issuance of Addendum.

Any Addendum thus issued will be sent in writing/ Fax/ Email to all those who have purchased the tender.

In order to afford the Applicants a reasonable time for taking an Addendum into account, or for any other reason, the Authority may, in its sole discretion, extend the Application Due Date.

## **G. Preparation and Submission of Application**

### **62. Language**

The Application and all related correspondence and documents in relation to the Bidding Process shall be in English language. Supporting documents and printed literature furnished by the Applicant with the Application may be in any other language provided that they are accompanied by translations of all the pertinent passages in the English language, duly authenticated and certified by the Applicant. Supporting materials, which are not translated into English, may not be considered. For the purpose of interpretation and evaluation of the Application, the English language translation shall prevail.

### **63. Format and signing of Application**

The Applicant shall provide all the information sought under this TENDER. The Authority will evaluate only those Applications that are received in the required formats and complete in all respects. Incomplete and /or conditional Applications shall be liable to rejection.

The Applicant will upload bid in One Folder in electronic form which shall contain the scanned certified copies of the documents given below and the documents uploaded has to be digitally signed by the bidder. These copies shall be certified by Practicing Notary approved by the Govt. of Maharashtra or Govt. of India with his stamp, clearly stating his name & registration number, except where original documents are demanded

## **64. Marking of Applications**

The Applicant shall submit the Application in the format specified at Appendix-I, together with the documents, upload in folder as “VENDOR” together with their respective enclosures

Applications submitted by fax, telex, telegram shall not be entertained and shall be rejected outright.

## **65. Late Applications**

Applications received by the Authority after the specified time on the Application Due Date shall not be eligible for consideration and shall be summarily rejected.

## **66. Confidentiality**

Information relating to the examination, clarification, evaluation, and recommendation for the short-listed qualified Applicants shall not be disclosed to any person who is not officially concerned with the process or is not a retained professional advisor advising the Authority in relation to or matters arising out of, or concerning the Bidding Process. The Authority will treat all information, submitted as part of Application, in confidence and will require all those who have access to such material to treat the same in confidence. The Authority may not divulge any such information unless it is directed to do so by any statutory entity that has the power under law to require its disclosure or is to enforce or assert any right or privilege of the statutory entity and/ or the Authority or as may be required by law or in connection with any legal process.

## **67. Clarification Of Financial Bids**

To assist in the examination, evaluation and comparison of Bids, the Engineer may, at his discretion, ask any bidder for clarification of his Bid, including breakdown of unit rates. The request for clarification and the response shall be in writing or by post/facsimile/e-mail. No Bidder shall contact the Engineer on any matter relating to his bid from the time of the bid opening to the time the contract is awarded. Any effort by the Bidder to influence the Engineer in the Engineer’s bid evaluation, bid comparison or contract award decisions may result in the rejection of the Bidder’s bid.

## **68. Inspection of site and sufficiency of tender:**

1. The Contractor shall inspect and examine the site and its surrounding and shall satisfy himself before submitting his tender as to the nature of the ground and subsoil (so far as is practicable), the form and nature of the site, the quantities and nature of the work and materials necessary for the completion of the works and means of access to the site, the accommodation he may require and in general shall himself obtain all necessary information as to risk, contingencies and other circumstances which may influence or affect his tender. He shall also take into consideration the hydrological and climatic conditions.
2. The Employer may make available to the Contractor data on hydrological and sub-surface conditions as obtained by or on his behalf from investigations relevant to the works but the Contractor shall be responsible for his own interpretation thereof. The contractor shall engage his investigating agency with prior approval of the Engineer from the approved list of such agencies by BMC or Govt at his cost initially before commencing actual work and which shall be reimbursed immediately subject to satisfaction of the Engineer for faithful compliance and submission of required data regarding such investigation within specified time.
3. The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices quoted in the schedule of works / items / quantities, or in Bill of Quantities, which rates and prices shall, except as otherwise provided cover all his obligations under the Contract and all matters and things necessary for proper completion and maintenance of the works. No extra charges consequent on any misunderstanding.
4. **Not Foreseeable Physical Obstructions or Conditions:** If, however, during the execution of the Works the Contractor encounters physical obstructions or physical conditions, other than climatic conditions on the Site, which obstructions or conditions were, in his opinion, not foreseeable by an experienced contractor, the Contractor shall forthwith give notice thereof to the Engineer. On receipt of such notice, the Engineer shall, if in his opinion such obstructions or conditions could not have been reasonably foreseen by an experienced contractor, after due consultation with the Contractor, determine:
  - Any extension of time to which the Contractor is entitled and

- The amount of any costs which may have been incurred by the Contractor by reason of such obstructions or conditions having been encountered, which shall be added to the Contract Price.
- Shall notify the Contractor accordingly. Such determination shall take account of any instruction which the Engineer may issue to the Contractor in connection therewith, and any proper and reasonable measures acceptable to the Engineer which the Contractor may take in the absence of specific instructions from the Engineer. However such costings shall be got approved by the competent authority as governed vide rules prevailing with authority.

### **5. Office for the Engineer (Works costing up to Rs.50 Lakhs)**

The Contractor shall at his own cost and to satisfaction of the Engineer provide a small temporary office, at the work-site which will include tables, chairs and lockers for keeping the records. He shall also make necessary arrangements for drinking water, telephone with a pre-requisite of e-governance and electronic communication. These offices are not to be allowed on public roads without the written instruction of the Engineer. These offices should be preferably located within 50 to 500 m of the worksite. In case the office is more than 500m away from the worksite, the contractor is to provide conveyance for Municipal Staff.

### **6. Office for the Engineer (Works costing above Rs.50 lakhs)**

The Contractor shall at his own cost and to satisfaction of the Engineer provide a temporary office at the work-site which will include tables, chairs and lockers for keeping the records. He shall also make necessary arrangements for drinking water, latrines, with doors, windows, locks, bolts and fastenings sufficient for security for the Engineer, and his subordinates, as close to the works from time to time in progress as can be conveniently arranged, and shall at his own cost furnish the office with such chairs, tables, lockers, locks and fastenings as may be required by the Engineer, and no expense of any kind in connection with the erection or upkeep of the offices or fittings shall be borne by the Corporation, but all such work shall be carried out by the Contractor and the expenses thereof defrayed by him. The Contractor shall also make water connections and fit up stand pipe with a bib tap at each office. The latrines and the water connections shall be subject to all the conditions herein elsewhere laid down for temporary water connection and latrines generally with all requisite equipments for e-governance and electronic and digital communication. These offices are not

to be allowed on public roads without the written instruction of the Engineer. These offices should be preferably located within 50 to 500 m of the worksite. In case the office is more than 500m away from the worksite, the contractor is to provide conveyance. Also, for staff working beyond working hours the contractor has to provide conveyance.

#### **7. Permission for provision and removal of office on completion of work:**

The tenderer shall obtain permission for provision of site office, cement go-down, store, etc. on payment of necessary cost implication. The cement go-down, Watchman cabins, etc. shall be provided as directed and shall be removed by the Tenderers on completion of the work at their cost. It is binding on the Tenderer to fulfil requirements of Environmental Authorities. The location of such office shall be finalized and got approved from the Engineer before erection/commencement work.

#### **8. Contractor's office near works:**

The Contractor shall have an office near the works at which notice from the Commissioner or the Engineer may be served and shall, between the hours of sunrise and sunset on all working days, have a clerk or some other authorized person always present at such office upon whom such notices may be served and service of any notices left with such clerk or other authorized person or at such office shall be deemed good service upon the Contractor and such offices shall have pre-requisite facilities for e-governance.

#### **69. Official Secrecy:**

The Contractor shall of all the persons employed in any works in connection with the contract that the India Official Secrets Act 1923 (XIX of 1923) applies to them and will continue to apply even after execution of the said works and they will not disclose any information regarding this contract to any third party. The contractor shall also bring into notice that, any information found to be leaked out or disclosed the concern person as well as the Contractor will be liable for penal action; further the Corporation will be at liberty to terminate the contract without notice.

#### **70. Subsequent Legislation:**

If on the day of submission of bids for the contract, there occur changes to any National or State statute, Ordinance, decree or other law or any regulation or By-laws or any local or other duly constituted authority or the introduction of any such National or State

Statute, Ordinance, decree or by which causes additional or reduced cost to the Contractor, such additional or reduced cost shall, after due consultation with the Contractor, be determined by the concerned Engineering Department of BMC and shall be added to or deducted from the Contract Price with prior approval of competent authority and the concerned Engineering Department shall notify the Contractor accordingly with a copy to the Employer. BMC reserve the right to take decision in respect of addition/reduction of cost in contract.

#### **71. Patent, Right and Royalties:**

The contractor shall save harmless and indemnify the Corporation from and against all claims and proceedings for or on account of infringement of any Patent rights, design trademark or name of other protected rights in respect of any constructional plant, machine work, or material used for or in connection with the Works or any of them and from and against all claims, proceedings, damages, costs, charges and expenses whatsoever in respect thereof or in relation thereto. Except where otherwise specified, the contractor shall pay all tonnage and other royalties, rent and other payments or compensation, if any, for getting stone, sand, gravel, clay or other materials required for the works or any of them.

#### **72. Payments, Tax and Claims:**

- **The limit for unforeseen claims**

Under no circumstances whatever the contractor shall be entitled to any compensation from BMC on any account unless the contractor shall have submitted a claim in writing to the Eng-in-charge within 1 month of the case of such claim occurring.

- **No interest for delayed payments due to disputes, etc:**

It is agreed that the Brihanmumbai Municipal Corporation or its Engineer or Officer shall not be liable to pay any interest or damage with respect of any moneys or balance which may be in its or its Engineer's or officer's hands owing to any dispute or difference or claim or misunderstanding between the Brihanmumbai Municipal Corporation or its Engineer or Officer on the one hand and the contractor on the other, or with respect to any delay on the part of the Brihanmumbai Municipal Corporation or its Engineer or Officers in making periodical or final payments or in any other respect whatever.

#### **73. Settlement of Disputes:**

- **Termination of contract for death**

If the Contractor is an individual or a proprietary concern and the individual or the proprietor dies and if the Contractor is a partnership concern and one of the legal representative of the individual Contractor or the proprietor of the proprietary concern and in case of partnership, the surviving partners, are capable of carrying out and completing the contract, the Commissioner shall be entitled to cancel the contract as to its uncompleted part without the Corporation being in any way liable to payment of any compensation to the estate of the deceased Contractor and or to the surviving partners of the Contractor's firm on account of the cancellation of the contract. The decision of the Commissioner that the legal representative of the deceased Contractor or surviving partners of the Contractor's firm cannot carry out and complete the contract shall be final and binding on the parties. In the event of such cancellation the Commissioner shall not hold estate of the deceased Contractor and or surviving partners of the Contractor's firm liable in damages for not completing the contract.

- **Settlement of Disputes:**

If any dispute or differences of any kind whatsoever other than those in respect of which, the decision of any person is, by the Contract, expressed to be final and binding) shall arise between the Employer and the Contractor or the Engineer and the Contractor in connection with or arising out of the Contract or carrying out of the Works (Whether during the progress of the Works or after their completion and whether before or after the termination, abandonment or breach of the Contract) it, the aggrieved party may refer such dispute within a period of 7 days to the concerned Addl. Municipal Commissioner who shall constitute a committee comprising of three officers i.e. concerned Deputy Municipal Commissioner or Director (ES&P), Chief Engineer other than the Engineer of the Contract and concerned Chief Accountant. The Committee shall give decision in writing within 60 days. Appeal on the Order of the Committee may be referred to the Municipal Commissioner within 7 days. Thereafter the Municipal Commissioner shall constitute a Committee comprising of three Addl. Municipal Commissioners including Addl. Municipal Commissioner in charge of Finance Department. The Municipal Commissioner within a period of 90 days after being requested to do so shall give written notice of committee's decision to the Contractor. Save as herein provided such decision in respect of every matter so referred shall be final and binding upon both parties until the completion of the works, and shall forthwith be given effect to by the Contractor who shall proceed with the works with



due diligence, whether he requires arbitration as hereinafter provided or not. If the Commissioner has given written notice of the decision to the Contractor and no Claim to arbitration has been communicated within a period of 90 days from receipt of such notice the said decision shall remain final and binding upon the Contractor.

#### **74. 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 be dissatisfied with any such decision, then the Contractor may within 90 days after receiving notice of such decision or within 90 days after the expirations 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 provided.

- In case of a contract where the contract price and/or contract value is less than Rs.5,00,00,000/- (Rs. 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 expense of the arbitration shall be paid as may be determined by the arbitral tribunal. The seat of the arbitration shall be Mumbai. The venue of arbitration shall be within limits of Brihan Mumbai. The language of Arbitration shall be English.

If the parties fail 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 recognized arbitral institution i.e. Mumbai Centre for International Arbitration (approved by Government of Maharashtra under G.R. no. ARB/ Case No. I./2017/D-19 dtd. 28.02.2017) as per the Arbitration Rule of Mumbai Centre for International Arbitration then in force (“MCIA Rules”)

- In case of contract where the contact price and/ or contract value is Rs.5,00,00,000/- (Rs. Five Crore only) or more, any dispute arising out of or in connection with this 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 sole arbitrator. The seat of the arbitration shall be Mumbai. The language of Arbitration shall be English.

In either case, the law governing this arbitration agreement and the contract shall be Indian Law.

#### **75. Copyright:**

The copyright of all drawings and other documents provided by the Contractor under the contract shall remain vested in the Contractor or his sub-contractors as the case may be the employer shall have a license to use such drawings and other documents in connection with the design, construction, operation, maintenance of the works. At any time the Employer shall have further license without additional payment to the Contractor to use any such drawings or documents for the purpose of making any improvement of the works or enlargement or duplication of any part thereof, provided that such improvement, enlargement, or duplication by itself or in conjunction with any other improvements, enlargements or duplications already made in accordance with the further license does not result in the duplication of the whole works.

#### **76. Receipts to be signed in firm’s name by any one of the partners:**

Every receipt for money which may become payable or for any security which may become transferable to the Contractor under these present shall, if signed in the partnership name by any one of the partners, be a good and sufficient discharge to the Commissioner and Municipal Corporation in respect of the money or security purporting to be acknowledged thereby, and in the event of death of any of the partners during the pendency of this contract, it is hereby expressly agreed that every receipt by any one of the surviving partners shall, if so signed as aforesaid, be good and sufficient discharge as aforesaid provided that nothing in this clause contained shall be deemed to prejudice or effect any claim which the Commissioner or the Corporation may hereafter have against the legal representatives of any partners so dying or in respect of any breach of any of the conditions thereof, provided also that nothing in this clause contained shall be deemed prejudicial or affect the respective rights or obligations of the Contractors and of the legal representatives of any deceased Contractors interest.

## **77. Proprietary data**

All documents and other information supplied by the Authority or submitted by an Applicant to the Authority shall remain or become the property of the Authority. Applicants are to treat all information as strictly confidential and shall not use it for any purpose other than for preparation and submission of their Application. The Authority will not return any Application or any information provided along therewith.

## **78. Correspondence with the Applicant**

Save and except as provided in this TENDER, the Authority shall not entertain any correspondence with any Applicant in relation to the acceptance or rejection of any Application.

## **79. Price Variation Clause**

The Contractor shall be reimbursed or shall refund to the Corporation as the case may be the variation in the value of the work carried out from time to time, depending on whether the prices of material and labour as a whole rise or fall, and the method adopted for such computations shall be as given below, it being clearly understood that the contractor shall have no claim for being reimbursed on the ground that the price of a particular material or group of materials have risen beyond the limits of the presumptions made in the following paras, however, no price variations shall be made applicable for contracts upto 12 months:

- A. Controlled materials: Price variations shall be permitted in respect of these materials the price level of which is controlled by the Government or its agency. The rate ruling on the date of submission of the tender shall be considered as the basic price of such material for adjustment. Any variation in this rate shall be considered for reimbursement to the contractor or refund to be claimed from the contractor as the case may be. The contractor shall, for the purpose of adjustment submit in original the relevant documents from the suppliers.
- B. Labour and other materials: For the purpose of this contract and for allowing reimbursement or refund on account of variation of prices of (i) labour, and (ii) materials other than materials mentioned in A above, computation will be based on the formula enunciated below which is based on the presumptions that :
  - i. The general price level of labour rises or falls in proportion to the rise or fall of consumer price index number 9 (general) for working class in Mumbai.

- ii. The general price level of materials rises or falls in proportion to rise or fall of whole-sale price index as published by ‘Economic Adviser to Govt. of India’.
- iii. And that the component of labour is to the extent of 30 percent of 88 percent and the component of materials is to the extent of 70 percent of 88 percent of the value of the work carried out. The remaining 12 percent being the presumptive profit of the contractor.

a) Formula for Labour component:

$$VL = \frac{(0.88 R) \times 30 \times (I - IO)}{100 IO}$$

b) Formula for Material component:

$$VM = \frac{(0.88 R \times 70 - C) \times (W - WO)}{100 WO}$$

Where –

VL = Amount of price variation to be reimbursed or claimed as refund on account of general rise or fall of index referred to above.

I = Consumer Price Index number of working class for Mumbai (declared by the Commissioner of Labour and Director of Employment, Mumbai) applicable to the period under reference (base year ending 2011-12 as 100 i.e. new series of indices).

IO = Consumer price index number for working class for Mumbai (declared by the Commissioner of labour and Director of Employment, Mumbai) prevailing, on the day of 28 days prior to the date of submission of the tender.

VM = The amount of price variation to be reimbursed or claimed as refund on account of general rise or fall of wholesale price index for period under reference.

W = Average wholesale price index as published by Economic Adviser to Govt. of India applicable to the period under reference.

WO = Wholesale price index as stated above prevailing on the day of 28 days prior to the date of submission of the tender.

R = Total value of the work done during the period under reference as recorded in the Measurement Book excluding water charges and sewerage charges but including cost of excess in respect of item up to 50 percent

C = Total value of Controlled materials used for the works as recorded in Measurement Book and paid for at original basic rate plus the value of materials used .

- i. The quantity of the Controlled material adopted in working out the value of 'C' shall be inclusive of permitted wastages as / if mentioned in specifications.
- ii. The basic rate for the supply of controlled material shall be inclusive of all the components of cost of materials excluding transport charges incurred for bringing the material from place of delivery to the site.

Computations based on the above formula will be made for the period of each bill separately and reimbursement will be made to (when the result is plus) and refund will claimed from (when the result is minus) the contractor's next bill. The above formulae will be replaced by the formulae in Annexure-I as and when mentioned in special conditions of contract

The operative period of the contract for application of price variation shall mean the period commencing from the date of commencement of work mentioned in the work order and ending on the date when time allowed for the work order and ending on the date when time allowed for the work specified in the contract for work expires, taking into consideration, the extension of time, if any, for completion of the work granted by Engineer under the relevant clause of the conditions of contract in cases other than those where such extension is necessitated on account of default of the contractor.

The decision of the Engineer as regards the operative period of the contract shall be final and binding on the contractors.

- iii. Where there is no supply of controlled items to contractor the component 'C' shall be taken as zero.

C. Adjustment after completion: If the Contractor fails to complete the works within the time for completion adjustment of prices thereafter until the date of completion of the works shall be made using either the indices or prices relating to the prescribed time for completion, or the current indices or prices whichever is more favourable to the employer, provided that if an extension of time is granted, the above provision shall apply only to adjustments made after the expiry of such extension of time.

D. Price variation will be calculated similarly and separately for extra items and / or excess quantities and provisional sums calculated under Sub Clause 10 (b)A (i)&(ii) and Sub Clause 10 (b) B(ii) based on the above formula/formulae in Annexure-I as and when mentioned in Special conditions of contract; IO and WO being the indices applicable to the date on which the rates under Sub Clause 10 (a)A (i)&(ii) and Sub Clause 10 (a) B(iii) are fixed. No price variation shall be admissible for FAIR items created during execution.

**80. Maximum Price Variation shall be as follows:**

Time Period of Project	Maximum limit of Price variation
Up to 12 months	No price variation allowed
Above 12 months to 24 months	5%
Above 24 months	10%

**\*Approval of AMC/MC shall be obtained before invitation of tender in case of any changes in above.**

**Note:**

- 1. The extension in time period for the projects originally estimated including monsoon results in change of price variation slabs as mentioned above i.e. from first slab to second slab or from second slab to third slab, then the maximum limit of original slab will prevail.**
2. Operative period shall mean original or extended time period of contract.

**For example:**

Extension of time period	Maximum Price Variation
If original period of 11 months including monsoon extends to 16 The operative period will be 11+5	No variation allowed
If original period of 11 months excluding monsoon extends to 16 The operative period will be 11+5	Maximum 5% variation allowed

**Price Variation during Extended Period of Contract:**

**i.Extension Due To Modification & Extension for delay due to BMC :**

The price variation for the period of extension granted shall be limited to the amount payable as per the Indices. In case the indices increases or decreases, above/below the indices applicable, to the last month of the original or extended period vide clause 8(1)(a)(i) and (ii) of standard GCC

**ii.Extension Of Time For Delay Due To Contractor :**

a)The price variation for the period of extension granted shall be limited to the amount payable as per the Indices in case the indices increase, above the indices applicable, to the last month of the original completion period or the extended period vide above clause 8(1)(a)(i) and (ii) of standard GCC.

b) The price variation shall be limited to the amount payable as per the indices, in case the indices decrease or fall below the indices applicable, to the last month of original / extended period of completion period vide above clause 8(1)(b) of standard GCC, then lower indices shall be adopted.

**iii.Extension of Time For Delay due to reasons not attributable to BMC and Contractor (Reference Cl.8(d) of Standard GCC):**

The price variation for the period of extension granted shall be limited to the amount payable as per the Indices in case the indices increases or decreases, above/below the indices applicable, to the last month of the original period.

**81.Payment:**

**Interim Payment:**

- i. Interim bills shall be submitted by the Contractor from time to time (but at an interval of not less than one month) for the works executed. The Engineer shall arrange to have the bills verified by taking or causing to be taken, where necessary, the requisite measurement of work.
- ii. Payment on account for amount admissible shall be made on the Engineer certifying the sum to which the Contractor is considered entitled by way of interim payment for all the work executed, after deducting there from the amount already paid, the security deposit / retention money and such other amounts as may be deductible or recoverable in terms of the contract.
- iii. On request, the contractor will be paid upto 75 percent of the value of the work carried out as an adhoc payment in the first week of next month after deducting there from recoveries on account of advances, interest, retention money, income tax etc. The balance payment due will be paid thereafter.
- iv. No interim payment will be admitted until such time the Contractor have fully complied with the requirement of the Condition no.8 (g) and 8 (h) concerning submission and approval of Network Schedule for the works, as detailed in Condition 8 (h). A fixed sum shall be held in abeyance at the time of next interim payment for non-attainment of each milestone in the network and shall be released only on attainment of the said milestone.
- v. An interim certificate given relating to work done or material delivered may be modified or corrected by a subsequent interim certificate or by the final certificate. No certificate of the Engineer supporting an interim payment shall of itself be conclusive evidence that any work or materials to which it relates is / are in accordance with the contract.

## **82. Banning/De-Registration of Agencies of Construction works in BMC**

- **The regulations regarding Demotion/ Suspension Banning for specific period or permanently / De-Registration shall be governed as per the respective condition in Contractor Registration Rules of BMC.**

## **83. JOINT VENTURE**

**Joint Venture shall not be allowed for this project.**

## **84. Compensation for delay:**



If the Contractor fails to complete the works and clear the site on or before the Contract or extended date(s) / period(s) of completion, he shall, without prejudice to any other right or remedy of Municipal Corporation on account of such breach, pay as agreed compensation, amount calculated as stipulated below (or such smaller amount as may be fixed by the Engineer) on the contract value of the whole work or on the contract value of the time or group of items of work for which separate period of completion are given in the contract and of which completion is delayed for every week that the whole of the work of item or group of items of work concerned remains uncompleted, even though the contract as a whole be completed by the contract or the extended date of completion. For this purpose the term 'Contract Value' shall be the value of the work at Contract Rates as ordered including the value of all deviations ordered:

- Completion period for projects (originally stipulated or as extended) not exceeding 6 months: **to the extent of maximum 1 percent per week.**
- Completion period for projects (originally stipulated or as extended) exceeding 6 months and not exceeding 2 years: **to the extent of maximum ½ percent per week.**
- Completion period for projects (originally stipulated or as extended) exceeding 2 years: **to the extent of maximum ¼ percent per week.**

When the delay is not a full week or in multiple of a week but involves a fraction of a week the compensation payable for that fraction shall be proportional to the number of days involved.

Provided always that the total amount of compensation for delay to be paid this condition shall not exceed the undernoted percentage of the Contract Value of the item or group of items of work for which a separate period of completion is given.

- i. Completion period (as originally stipulated or as extended) not exceeding 6 months: **10 percent.**
- ii. Completion period (as originally stipulated or as extended) exceeding 6 months and not exceeding 2 years: **7½ percent.**
- iii. Completion period (as originally stipulated or as extended) exceeding 2 years: **5 percent.**

The amount of compensation may be adjusted set off against any sum payable to the contractor under this or any other contract with the Municipal Corporation.

## **85. Action And Compensation Payable In Case Of Bad Work And Not Done As Per Specifications**

All works under or in course of execution or executed in pursuance of the contract, shall at all times be open and accessible to the inspection and supervision of the Engineer-in-charge, his authorized subordinates in charge of the work and all the superior officers, officer of the Vigilance Department of the BMC or any organization engaged by the BMC for Quality Assurance and the contractor shall, at all times, during the usual working hours and at all other times at which reasonable notice of the visit of such officers has been given to the contractor, either himself be present to receive orders and instructions or have a responsible agent duly accredited in writing, present for that purpose. Orders given to the Contractor's agent shall be considered to have the same force as if they had been given to the contractor himself.

If it shall appear to the Engineer-in-charge or his authorized subordinates in-charge of the work or to the officer of Vigilance Department, that any work has been executed with unsound, imperfect or unskilful workmanship or with materials of any inferior description, or that any materials or articles provided by him for the execution of the work are unsound or of a quality inferior to that contracted for or otherwise not in accordance with the contract, the contractor shall, on demand in writing which shall be made within twelve months of the completion of the work from the Engineer-in-Charge specifying the work, materials or articles complained of notwithstanding that the same may have been passed, certified and paid for forthwith rectify, or remove and reconstruct the work so specified in whole or in part, as the case may require or as the case may be, remove the materials or articles so specified and provide other proper and suitable materials or articles at his own charge and cost. In the event of the failing to do so within a period specified by the Engineer-in-Charge in his demand aforesaid, then the contractor shall be liable to pay compensation at the same rate as under clause 8.e. of the general condition of contract in section 9 of tender document (for Compensation for delay) for this default. In such case the Engineer-in Charge may not accept the item of work at the rates applicable under the contract but may accept such items at reduced rates as the Engineer in charge may consider reasonable during the preparation of on account bills or final bill if the item is so acceptable without detriment to the safety and utility of the item and the structure or he may reject the work outright without any payment and/or get it and other connected and incidental items rectified, or removed and re-executed at the risk and cost of the contractor. Decision of the Engineer-in-Charge to be conveyed in writing in respect of the same will be final and binding on the contractor.

If the penalisation amount exceeds maximum limit with respect to Clause 8.e of Standard General Conditions of Contract, then a show cause notice shall necessarily be issued to the contract as to why the contract should not be terminated.

*The above clause is summarized to make it easy to understand as follows:*

- 1. The Engineer-in-charge shall issue notice to the contractor for rectifying the defects or redoing of the work if necessary, within specific time to achieve the desired quality and quantity of the work and this should be governed by clause 8.f and 9.b of Standard General Conditions of Contract.*
- 2. If the contractor fails to comply the same, only then, the contractor shall be liable to pay compensation at the same rate as under clause 8.e of the Standard General Condition of Contract (for Compensation for delay) for this default.*
- 3. If the penalization amount exceeds the maximum limit, then the contractor will be liable for being banned/ deregistered from business dealings with BMC and this shall be governed by relative provision in Registration Rules of BMC and Standard General Conditions of Contract.*
- 4. This penalization shall be levied only on account of delay in work, unsound, imperfect or unskilful workmanship or with materials of any inferior description, or that any materials or articles provided by him for the execution of the work are unsound or of quality inferior to that contracted for or otherwise not in accordance with the contract.*

#### **86. Contractors remain liable to pay compensation:**

In any case in which any of the powers conferred upon the Engineer In-charge by the **relevant clauses** in documents that form a part of contract as exercised or is exercisable in the event of any future case of default by the Contractor, he is declared liable to pay compensation amounting to the whole of his security deposit. The liability of the Contractor for past and future compensation shall remain unaffected.

In the event of the Executive Engineer taking action against these **relevant clauses**, he may, if he so desires, take possession of all or any tools and plant, materials and stores in or upon the work of site thereof or belonging to the Contractor or procured by him and intended to be used for the execution of the work or any part thereof paying or allowing for the same in account at the contract rates, or in the case of contract rates not being applicable at current market rates to be certified by the Executive Engineer, may after giving notice in

writing to the Contractor or his staff of the work or other authorized agent require him to remove such tools and plants, materials or stores from the premises within a time to be specified in such notice and in the event of the Contractor failing to comply with any such requisition, the Executive Engineer may remove them at the contractors expense or sell them by auction or private sell on account of the Contractor at his risk in all respects and certificate of the Executive Engineer as to the expense of any such removal and the amount of the proceeds an expense of any such sell be final and conclusive against the Contractor.

**87. No Claim To Any Payment Or Compensation Or Alteration In Or Restriction Of Work**

- a) If at any time after the execution of contract documents, the Engineer shall for any reason whatsoever, desires that the whole or any part of the works specified in the Tender should be suspended for any period or that the whole or part of the work should not be carried out, at all, he shall give to the Contractor a Notice in writing of such desire and upon the receipt of such notice, the Contractor shall forthwith suspend or stop the work wholly or in part as required after having due regard to the appropriate stage at which the work should be stopped or suspended so as not to cause any damage or injury the work already done or endanger the safety thereof, provided that the decision of the Engineer as to the stage at which the work or any part of it could be or could have been safely stopped or suspended shall be final and conclusive against the contractor.

The Contractor shall have no claim to any payment or compensation whatsoever by reason of or in pursuance of any notice as aforesaid, on account of any suspension, stoppage or curtailment except to the extent specified hereinafter.

- b) Where the total suspension of Work Order as aforesaid continued for a continuous period exceeding 90 days the contractor shall be at liberty to withdraw from the contractual obligations under the contract so far as it pertains to the unexecuted part of the work by giving 10 days prior notice in writing to the Engineer within 30 days of the expiry of the said period of 90 days, of such intention and requiring the Engineering to record the final measurement of the work already done and to pay final bill. Upon giving such Notice, the Contractor shall be deemed to have been discharged from his obligations to complete the remaining unexecuted work under his contract. On receipt of such notice the Engineer shall proceed to complete the measurement and make such payment as may be finally due to the contractor within a period of 90 days from the receipt of such Notice in respect of the work already done by the contractor. Such payment shall not in

any manner prejudice the right of the contractor to any further compensation under the remaining provisions of this clause.

- c) Where the Engineer required to Contractor to suspend the work for a period in excess of 30 days at any time or 60 days in the aggregate, the Contractor shall be entitled to apply to the Engineer within 30 days of the resumption of the work after such suspension for payment of compensation to the extent of pecuniary loss suffered by him in respect of working machinery remained ideal on the site of on the account of his having an to pay the salary of wages and labour engaged by him during the said period of suspension provided always that the contractor shall not be entitled to any claim in respect of any such working machinery, salary or wages for the first 30 days whether consecutive or in the aggregate or such suspension or in respect of any such suspension whatsoever occasion by unsatisfactory work or any other default on his part, the decision of the Engineer in this regard shall be final and conclusive against the contractor.

**88. Contractor to supply plant, ladder, scaffolding, etc and is liable for damages arising from non provision of lights, fencing, etc.**

The Contractor shall supply at his own cost all material, plant, tools, appliances, implements, ladders, cordage, tackle scaffolding and temporary works requisite or proper for the proper execution of the work, whether, in the original altered or substituted form and whether included in the specification of other documents forming part of the contract or referred to in these conditions or not and which may be necessary for the purpose of satisfying or complying with the requirements of the Eng-In-Charge as to any matter as to which under these conditions is entitled to be satisfied, or which is entitled to require together with the carriage therefore to and from the work.

The Contractor shall also supply without charge, the requisite number of person with the means and materials necessary for the purpose of setting out works and counting, weighing and assisting in the measurements of examination at any time and from time to time of the work or materials, failing which the same may be provided by the Engineer In-charge at the expense of the contractor and the expenses may be deducted from any money due to the contractor under the contract or from his security deposit or the proceeds of sale thereof, or offers sufficient portion thereof.

The contractor shall provide all necessary fencing and lights required to protect the public from accident and shall also be bound to bear the expenses of defence of every suit,

action or other legal proceedings, that may be brought by any person for injury sustained owing to neglect of the above precautions and to pay any damages and cost which may be awarded in any such suit action or proceedings to any such person or which may with the consent of the contractor be paid for compromising any claim by any such person.

**89. Prevention of Fire :**

The contractor shall not set fire to any standing jungle, trees, brushwood or grass without a written permit from the Engineer In-charge. When such permit is given, and also in all cases when destroying cut or dug up trees brushwood, grass, etc., by fire, the contractor shall take necessary measure to prevent such fire spreading to or otherwise damaging surrounding property. The Contractor shall make his own arrangements for drinking water for the labour employed by him.

90. Compensation for all damages done intentionally or unintentionally by contractor's labour whether in or beyond the limits of BMC property including any damage caused by spreading the fire shall be estimated by the Engineer In-charge or such other officer as he may appoint and the estimate of the Engineer in-charge to the decision of the Dy. Chief Engineer on appeal shall be final and the contractor shall be bound to pay the amount of the assessed compensation on demand failing which the same will be recovered from the Contractor as damages or deducted by the Engineer In-charge from any sums that may be due or become due from BMC to contractor under this Contract or otherwise. Contractor shall bear the expenses of defending any action or other legal proceedings that may be brought to prevent the spread of fire and he shall pay any damages and costs that may be awarded by the Court in consequence.

91. In the case of Tender by partners, any change in the constitution of the firm shall be forthwith, notified by the contractor through the Engineer In-charge for his information.

**92. Action where no specifications :**

In the case of any class of work for which there is no such specifications, such works shall be carried out in accordance with the specifications and in the event of there being no such specifications, then in such case, the work shall be carried out in all respects in accordance with all instructions and requirements of the Engineer In-charge.

**93. Safety and medical help :**

- i. The Contractor shall be responsible for and shall pay the expenses of providing medical help to any workmen who may suffer a bodily injury as a result of an accident. If such expenses are incurred by BMC, the same shall be recoverable from the contractor forthwith and be included without prejudice to any other remedy of BMC from any amount due or that may become due to the Contractor.
- ii. The contractor shall provide necessary personal safety equipment and first-aid box for the use of persons employed on the site and shall maintain the same in condition suitable for immediate use at any time.
- iii. The workers shall be required to use the safety equipments so provided by the contractor and the contractor shall take adequate steps to ensure the proper use of equipments by those concerned.
- iv. When the work is carried on in proximity to any place where there is risk or drawing all necessary equipments shall be provided and kept ready for use and all necessary steps shall be taken for the prompt rescue of any person in danger.

94. No compensation shall be allowed for any delay caused in the starting of the work on account of acquisition of land or in the case of clearance of works, on account of any delay in according to sanction of estimates.

**95. Anti-malaria and other health measures:**

Anti-Malaria and other health measures shall be taken as directed by the Executive Health Officer of BMC. Contractor shall see that mosquitogenic conditions are created so as to keep vector population to minimum level. Contractor shall carry out anti-malaria measures in the area as per the guidelines issued by the Executive Health Officer of BMC from time to time.

In case of default, in carrying out prescribed anti-malaria measures resulting in increase in malaria incidence, contractor shall be liable to pay BMC on anti-malaria measures to control the situation in addition to fine.

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**SECTION 10**

**SPECIAL CONDITIONS**

**OF CONTRACT**

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## SPECIAL CONDITIONS OF CONTRACT

1.
  - a. If it is found that firms as described below have tendered separately under different names for the same contract, all such tender(s) shall stand rejected and tender deposit of each such firm / establishment shall be forfeited. In addition such firm / establishment shall be liable for further penal action including blacklisting at the discretion of the Municipal Commissioner.
  - b. If it is found that closely related persons have submitted separate tenders / quotations under different names of firm / establishment but with common address for establishments / firms and/ or if such establishments / firms though they have different addresses are managed or governed by the same person / persons jointly or separately, such tenderers shall be liable for action including similar action against the firm / establishment concerned.
  - c. If after award of contract it is found that the accepted tender violated any of the clauses, the contract shall be liable for cancellation at any time during its currency in addition to penal action against the contractor as well as related firm / establishments.
2. Any addition / alteration / omission required for any work shall be carried out only after obtaining prior approval of the Engineer in writing; in any case no post facto approval will be given.
3. If any co-ordination required for Site demarcation, it shall be the sole responsibility of contractor.
4. The directions of Hon'ble Court & Circulars published by BMC from time to time regarding Debris Management shall be strictly followed by contractor. No extra payment will be made towards the same.
5. The contractor shall appoint proper agency for Tree trimming, cutting, transplantation, plantation etc in co-ordination with Garden Department staff. No extra payment other than Bill of Quantities will be made towards the same. The date and time of cutting and transplanting of trees as per permission should be informed to the office of concerned Zonal Dy. Supdt of Garden.

As per direction in the NOC of tree authority, the photographs taken while transplanting of trees etc are required to be submitted (Soft copy also in form of C.D.) to office of concerned Zonal Dy. SupdtOf Garden so as to ensure proper transplantation of trees. The plantation of trees should be as per norms of tree authority i.ein open space two (2) trees per 100sq.m and in R.G area five trees(5) trees per 100 sq.m and care

should be taken so that trees grows properly. And also the condition mentioned in Tree authority NOC shall be followed scrupulously.

6. The contractor shall mark Town Hall Datum level on site. No extra payment will be made towards the same.
7. The contractor shall conduct preliminary survey for plotting layout of the project on site & it shall be thoroughly responsibility of contractor till completion of project. No extra payment will be made towards the same.
8. The amount quoted shall include provision of all necessary labour & material, plant, equipment, scaffolding and centering as per requirement of the item to be executed completely in all respect as per direction of engineer in charge.
9. The rate quoted shall be inclusive of transporting and disposal of surplus excavated construction debris and demolished material. However it will be binding on the tenderer to submit information of the place and permission letter from the owner, where this material will be dumped before removal of surplus material.
10. The rates quoted shall be firm and no variation will be allowed on any account.
11. The Municipal Commissioner does not bind himself to accept the lowest or any tender.
12. The tenderer shall furnish the names & qualifications of the staff who will be deputed on this work and the names of other officers with their telephone Nos. with whom BMC Engineer may require to get in touch with. The site engineer must have BMC Supervisor License and the copy of license shall be submitted in DyCE (BC) ES's office before commencing the work.
13. The percentage quoted shall include the cost of any unforeseen item, connected with the work in question, required for the proper execution and completion of work in all respect. The tenderer will not be reimbursed any taxes/ charges/ octroi/ cess etc. which is in force or in force in future.
14. The tenderer / contractor will have to make good, without any extra payment, any damage or loss to the Municipal property/private property while executing the work and need to quote accordingly.
15. Standard General Conditions of Contract for civil works (w.e.f. 2016) and electrical / mechanical as amended up to date shall be applicable to this work unless the same are contradictory to any of the conditions stated in the 'special conditions' to tenderers.
16. The sequence of work shall be as approved and directed by Engineer-in-charge before starting the work; the contractor shall submit his program of carrying out the work in the form of bar chart / PERT chart for approval of Engineer.

17. The water supply to the user department shall not be disturbed during execution of the work. Contractor shall make alternate arrangement for providing equivalent capacity tank to restore water supply at their own cost.
18. The Tenderers shall specify the name of the electrical contractor while submitting the tender and separate sub-contractor status should be accorded to them in the contract.
19. Maximum care should be taken to the satisfaction of the Engineer to provide and maintain adequate protection to all electrical and mechanical installations. No extra payment will be made on this account under any circumstances.
20. Contractor will have to make their own arrangement for getting the electric supply on site for execution, fabrication and allied works including installation of temporary meter at their own cost.
21. The contractor shall intimate the concerned authorities before starting the work and execute the work as per priority fixed by the Engineer. The inventory of serviceable and unserviceable material must be taken jointly with Engineer-in-charge before starting of work. Wherever and whenever necessary as directed by Engineer-in-charge, the unserviceable materials will have to be removed from the site within the time period as directed. The serviceable material recovered should be submitted to AE(Maintenance) L ward as per direction of engineer in charge and receipt of same to be submitted to Engineer In- charge.
22. Materials brought on the site or debris will not be allowed to be stacked in passages, in the car park area, on road. It shall be stacked as per directions of site in charge.
23. The tenderer / contractor will have to make adequate shielding arrangement by putting necessary hoardings, screen or gunny bags, etc. so as to avoid any accident or nuisance to the nearby occupants during the work and barricading shall be done on all sides to avoid nuisance for a required height as per directions of engineer in charge without any extra payment.
24. Tenderer / Contractor at their own without any extra cost shall appoint a plumbing consultant / Expert to design the plumbing network for the building and same shall get approved from Executive Engineer before Execution.
25. Plumbing and sanitary works will have to be carried out through licensed plumber. All plumbing lines will be provided 2" away from wall with spaces as directed. The horizontal and vertical lines should be in line & level. Contractor to obtain all necessary permission, remarks, completion from concern department of BMC (i.e. 'P' form, Drainage Approval / Completion, Water main connection, Dry fittings & street

- connection, Road work permission / N.O.C. etc.) as required for plumbing, sanitary, drainage & water supply work.
26. Municipal Architect/City Engineer reserves the right to delete any item, alter / reduce the scope of the work; no extra claim in this respect will be allowed/ entertained.
  27. In case of any discrepancy between the plans and B.O.Q items, items to be operated shall be decided by the Engineer and the same shall be binding on the contractor without paying any extra cost.
  28. The propping shall be done to the existing structure wherever necessary before taking up the work without any extra items/cost. All the safety measures for structures/workers/supervisors/machinery shall be taken up by the contractor at his own cost.
  29. While carrying out any works, contractor shall take adequate care / safety measures to prevent any accident.
  30. For transport of materials, contractors will have to provide mechanical lift or pulley at their own cost. No extra payment will be made for this arrangement.
  31. The contractors shall take photographs of the work site before commencing, during execution and after completion of work, as directed. The contractor shall take photographs of site as and when directed by Engineer. The Photographs should be so arranged in the Register that original site position and finished site position of the same location should be vis-à-vis. No extra payment will be made for this arrangement of photographs. Failure to abide this condition penalty of Rs. 1000/- per photograph copy will be recovered from the contractor's bill.
  32. The contractor shall have to arrange to carry out the work during night time also as per urgency of the work, at no extra cost with prior permission in writing from competent authority.
  33. After completion of the proposed work, the tenderer/ contractor will have to hand over the site in neat and clean condition for which no extra payment will be made.
  34. The noise level shall be maintained within the permissible limit in Silence Zone area during the construction activities by the Contractors as per the notification dated 14-02-2000 issued by the Ministry of Environment and Forests. It is mandatory for the contractor to maintain the Noise level during the construction activity within the permissible limits as prescribed by BMC as per circular under no. CE/PD/7788/I dt. 05/11/2008.
  35. Brihanmumbai Municipal Corporation of Greater Mumbai do not have site available for disposal of construction Debris / Demolition material / excavated earth. The Contractor

shall dispose these materials properly at his own risk & cost. It shall be distinctly noted that BMC will not make any payment towards removal /transportation /disposal of surplus excavated earth including materials from construction site to either any Municipal dumping ground (if made available) or to contractors own dumping facility. The contractor shall quote the tender keeping this in mind. No separate payment shall be made for disposal of these Debris / Demolition material / excavated earth.

36.1 The guidelines issued by Supreme Court under order **U/no.SLP (CIVIL) no.D23708/2017 dtd.15/03/2018 Dumping Ground matters and the circulars issued by BMC in these regards u/no. DMC/SWM/67 dtd 06.04.2018,ChE/DP/674/Gen dtd.06.04.2018, ChE/DP/2373/Gen dtd.25.04.2018** and the prevailing procedure adopted by MGCM will be applicable to this tender. All the requirement given by Supreme Court/BMC shall be complied by the successful bidder. The e-tenderer / bidder shall therefore quote his percentage accordingly, anticipating the change in the Scope of Work due to above orders, and no extra claim in this regard will be entertained afterwards.

Guidelines regarding above stated Circulars:

- 1) The successful bidder shall deposit Bank Guarantee of requisite amount with M.A./user department as per the policy circular dtd.06.04.2018 and 25.04.2018 in view of Hon'ble Supreme Court's order dtd.15.03.2018 in regards to disposal of construction debris and SWM generated by Construction activity.
- 2) The successful bidder shall obtain S.W.M. N.O.C. before start of the work. For this the circular regarding C & D waste at designated unloading site and procedure to be followed for designated unloading site uploaded on mcgm.gov.in website shall be scrupulously followed.
- 3) The successful bidder shall make provision of adequate safe guards in consultation with SWM department for preventing dispersal of particles through air and the construction debris generated shall be deposited on specific sites inspected and approved by BMC.
- 4) The successful bidder shall comply all the conditions and directions specified in the Hon'ble Supreme Court's order i.e. as per S.L.P(CIVIL) no D23708/2017 dtd.15.03.2018 in the case of dumping ground and shall comply with before starting demolition of structure & / or starting any excavation work /construction work .
- 5) The successful bidder shall handle and transport all the construction and demolition waste to the designated unloading site as per the N.O.C. issued by E.E.(S.W.M.) .

- 6) The successful bidder shall maintain the record of C & D waste generated, transported and unloaded at designated unloading site on the construction site and shall submit this report monthly on Auto DCR system along with unloading challans or receipts (Annexure-A).
- 7) Any breach of condition regarding debris disposal will entitle the cancellation of the work order and the work will be stopped immediately.
- 8) The successful bidder shall revalidate S.W.M. N.O.C. and bank guarantee from time to time.
- 9) The successful bidder shall make all the records available to the monitoring committee for the inspection. In this regards it is to mention that , the requirement of the C & D waste management are monitored along with the compliance in the requisite format of S.W.M in order to notice the breach if any.
- 10)The successful bidder shall note that in the event for any reason whatsoever, the consent given by the disposal site owner/authority is revoked and /or in the event the time limit during which the disposal site was available has been expired, the relevant construction activity will be stopped after issuance of a Show-Cause Notice and till such times that revised S.W.M. N.O.C. is issued by E.E.(S.W.M.).

**Circular U.no/ Dy.Ch.E./SWM/3957/Op/ dtd.28.09.2018 for 'Implementation of the Construction and Demolition Waste Management rules, 2016' will be applicable for the work**

36.2

- 1) 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 tenderer shall make his own arrangement for stacking of material etc. No extra payment will be made on this account.
- 2) The surpluses excavated material from the site shall be removed within 24 hrs as directed for which no separate payment will be made. The necessary tipping charges at the dumping ground, as applicable shall be borne by the contractor.
- 3) The royalty charges in respect of excavated material shall be paid by the contractors to the collector as and when asked for.
- 4) The contractor should note that during the execution of the work, debris etc dumped on the public streets /places will have to be removed immediately after completion of the work as per direction of the Engineer, failing which the same will be got removed at the risk and cost of contractor.



5) The policy circulars are issued by BMC from time to time related to various clauses/ Conditions of bid documents shall remain applicable. The BMC reserves the right of its applicability for the particular work.

### 36.3 Removal of Excavated material

A. All the excavated material belongs to the Municipal Corporation of Greater Mumbai and therefore shall be the property of the Municipal Corporation of Greater Mumbai. It will be mandatory on the part of contractor to use this material in the execution of works under contract if the quality of material available is as per the specification and rest of quality wise unutilised material shall be removed as directed by Engineer.

#### B. Royalty Payment on excavated material as per Statutory requirement :

The contractor shall pay necessary royalties and submit documentary evidences of such payments to the Engineer for his information and records. If and when royalties becomes payable to the Government Authority on excavated material as per statutory requirements, the payment shall be made by the contractor.

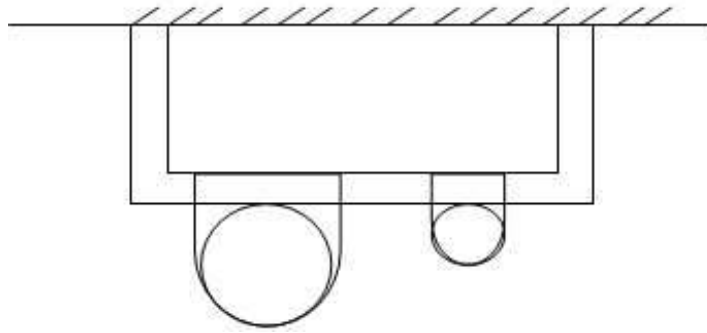
37. The tenderer/s should start the work from the date of issue of work order through SAP to ensure completion of the work in given time period.
38. The contractors shall provide proper safety gears to their staff, labours. Failure to provide safety gears as per above clause a penalty of Rs.1000/- per labour per day shall be imposed. The contractor will be fully responsible towards the safety of staff and labours for the entire Contract period. Also, the display of cautionary/danger boards shall be placed at all required locations as directed by engineer in charge at contractor's own cost.
39. Boards of size 4'0" x 3'0" showing all the necessary details should be displayed at site before commencement of work at his own cost.
40. Conditions of circular no. Dir./ES&P/324 dated 15.07.2015 & CA (F)/project/31 dated 26.10.2020 for governing new policy for extra /excess shall be strictly followed.
41. Indemnity Bond on Rs. 200/- stamp paper shall be submitted stating that
  - a) The contractor shall not claim any charges/damages/compensation for non-availability of site due to non-removal of encroachments/ delay in acquisition process/cancellation of work or part thereof.
  - b) Contractor shall indemnify BMC against any accident/untoward event on site and any BMC staff will not be held responsible, neither BMC will be made party in any litigation.
42. On Completion of the work, the contractors shall furnish free of cost 2 sets of final completion drawings in AutoCAD along with the soft copy in CD, showing all the details

- checked and signed by the Engineer within 2 months of completion of works. The payment of final bill shall be made to the contractors after receipt of above sets.
43. Temporary huts for labours for this work as directed by engineer in charge may be permitted on work site in consultation with the respective Assistant Commissioners of concerned ward and subject to the following conditions or any other condition imposed by the Assistant Commissioner.
- a. The labourer's hutments will be completely isolated from the public by providing a tin sheet fencing around them.
  - b. They will be specifically identified by BMC staff by numbering them suitably.
  - c. Adequate toilet and bathing facilities will be provided for them inside this fencing.
  - d. The contractors will strictly observe that labourers will use these toilets and bathing facilities and no unhygienic conditions are created at site.
  - e. In case, any of the above conditions is violated such hutments will be removed by the Assistant Commissioner of concerned ward without giving any notice to the contractor in consultation with the Executive Engineer in charge of the work.
  - f. The labourer's hutments shall be removed by the contractors within 7 days of the completion of the work.
44. The contractor has to check health of all the labours employed by him at every fortnight and take precautionary measures and shall provide all necessary treatments as per advice of medical officer.
45. All permissions from the various government agencies, police, traffic department etc. as may be required during the execution of the project shall be arranged by the contractor at his own cost. No delay in execution shall be accepted on account of delays in getting the same from the concerned departments. The contractors should therefore take this factor in to account while quoting.
46. The tenderers should note that the work shall be carried out preferably during day time i.e. from 10.00 am to 06.00 pm only. However in case of emergency, work can be continued during night hours/ Sunday/ holidays after taking permission from competent authority.
47. Circular U/No.MGC/F/6342 dated 5.5.2018 in respect of revised guidelines about installation of barricades on work site of BMC will remain effective for this tender.
48. In case of any discrepancy, the Engineer's decision shall be final and binding on the contractors.

49. The Contractor shall have to co-ordinate with / and provide all necessary facilities to all other contractors appointed by BMC as may be necessary from time to time for any works related to the property / in the property.
50. Rates of items, involving compliance of all as stated in permissions obtained from solid waste management department shall be inclusive of all such mitigation measures specified in the N.O.C. and no extra payment shall be payable on this account.
51. The rates quoted in the tender shall include all charges for clearing of site before commencement as well as after scaffolding, watching and lighting by night as well as day including Sundays and Holidays, temporary plumbing and electric supply, protection of the public and safety of adjacent roads, walls, houses, buildings and all other erections, matters or things and the Contractor shall take down and remove any or all such scaffolding, staging, as occasion shall require or when ordered so to do, and fully reinstate and make good all matters and things disturbed during the execution of work and to the satisfaction of the Engineer. The rates quoted shall be deemed to be for the finished work to be measured at site. The rates shall also be firm and shall not be subject to exchange variation, labour conditions, freights or any conditions whatsoever unless otherwise mentioned elsewhere in the Tender documents. Tenderers must include in their rates, Insurance against Fire, Theft, damages by Oriental Insurance Company or any other Government Insurance Company for the period of 5 years from the date of commencement and other levy levied by the Central Government or any State Government or any local authority, if applicable and prevalent during the entire contract period. No claim in respect of sales tax, excise duty, GST, octroi or other taxes, duties or levies whether existing or levied in future shall be entertained by the Employer, unless otherwise mentioned elsewhere in the tender document.
52. All statutory requirements, Factories Act, ESI, Workmen Compensation Act, Bonus Act, Provident Fund & Gratuity Act, Industrial Dispute Act, etc., wherever applicable and where contributions / compensation / payments are to be made the same shall be borne by the contractor either during the term of contract or afterwards in future.
53. All necessary tests for verification of quality of material used for the work; as may be deemed fit shall be carried out by the contractor at his own cost. No separate payments will be made on this account.
54. The tenderer shall note that during construction and up till handing over of the entire building/project, contractor should provide their own security force from registered / licensed security agencies. The contractor shall be solely responsible for security of entire

- building for which no extra payment will be made. No complaints will be entertained afterward for stealing of any articles / appliances etc.
55. Considering possibility of the part occupancy of the new building for shifting the contractor has to carry out the comprehensive service and maintenance along with Housekeeping work free of charge till the completion and handing over of entire building to user department plus further three months, and no compensation / reimbursement will be made by BMC for the same.
56. All circulars published by BMC from time to time will be applicable to the Contractor.
57. It should be clearly understood that, for the purpose of determination of the contract period, the monsoon period will be taken only as from 10<sup>th</sup> June to 30<sup>th</sup> September, and all works shall be recommenced on 1<sup>st</sup> October, irrespective of whether there are intervening festivals and / or rains etc.
58. All the items which require fixtures, traps, pipes, fittings etc. to make the item functional (e.g. water closet, health faucet, wash basin, urinal, drainage), are inclusive of all such fittings. No extra payment will be paid for any unforeseen items required for making item functional in any form. The contractor shall quote accordingly in such cases.
59. All Municipal charges required for service connections are to be borne by contractor.
60. The terms “out of”, “about” and “upto” each imply the maximum size.
61. The term “providing” means procuring all material as necessary to complete the item into for the purpose intended.
62. The term “fixing” means carrying out all work by appropriate skilled labour including using necessary equipment and tools for the completion of the item into to serve the purpose intended/ make it functional.
63. The Contractor shall prepare shop drawings incorporating revisions therein till approval of the items (which are as per manufacturer’s instruction / specification and / or structural interventions to the existing structure) by the Architect prior to execution of the respective work wherever required.
64. The material required for the work such as T.W., commercial/marine plywood, 1.5 mm thick laminate, Nova teak boards, stainless steel sheets, glass, foam rubber, leather cloth, M.S. Angles, pipes, bars, Al sections, door accessories , G.I. channels / strips, POP etc. & as specified & mentioned in drawing shall be used from new stock . It should be of first grade quality with ISI mark.
65. The work of providing and fixing in position UPVC/SWR,GI pipe of approved brand and class of given diameter in any position as per specification shall be carried out in such way that pipe and wall surface will be separated by clamp of at least 100mm depth to

avoid direct contact of pipe with wall surface. No extra payment will be made to the contractor in this respect.



66. Contractor shall visit the site & shall quote accordingly considering the temporary shifting cost. Please note that no extra payments will be made for the same.

67. The RCC covers over storm water drain wherever required to be cast on site.

68. Conditions mentioned in following circulars are applicable.

- MGC/M/1766 dated 15.12.2020 regarding subletting of BMCworks ,
- Dir/ES & P/415/III dated 13.12.2019 regarding accident compensation policy,
- MGC/F/8659 dated 7.9.2019 regarding arbitration clause in the standard GCC for construction works, 2016 ,
- DMC/SE/501/MC dated 26.11.2019 regarding guidelines/ preventive steps to be taken for all existing compound wall and the properties owned by BMC,
- DMC/SWM/3988 dated 28.12.2018 regarding implementation of the construction and demolition waste management rules 2016,
- ChE/BM/019919/II dated 7.1.2019. regarding corrections in parameters i.e similar work experience criteria for major structural repairs/ maintenance works & reconstruction/ new construction building works undertaken through all BMC dept. and other correction in para of curable and non curable defects and the header data of SBD

69. Approved shade/type of granite stones edges shall be completed with mirror polished moulding as required

70. Tenderer / contractor shall note that quality of material and workmanship shall be first class.

71. The materials used shall confirm to the related ISI specifications as well as BMC specified specification wherever applicable. Directives of Engineer concerned will be binding on the contractor.

72. General notes in the Unified Schedule of Rate 2023, can be downloaded from <http://portal.mcgm.gov.in> under the Tender Tab. Electrical Schedule are applicable to all items of this work.
73. The detail description of various items, the units of payment and the rates thereof as mentioned in the Bill of Quantities shall be as per the Unified Schedule of Rates (BMC - USOR 2023 ) and Fair Items.
74. The centring shall be insisted only in double stage self-supporting steel scaffolding and M S pipe adjustable props for which no extra payment will be made.
75. No extra payment will be made for the works like scaffolding & centering. Only double scaffolding will be allowed.
76. On receipt of the work order the contractor will have to erect ready-made site Chowky and Godown in the form of porta cabin/container cabin. Before erecting the Chowky and Godown, contractor shall have to obtain permission from the concerned Assistant Commissioner. The Assistant Commissioner shall approve the site of the Chowky and Godown proposed by the Engineer or may allot another suitable site. The porta cabin/container shall be preferably admeasured 12.20 m x 2.50 m with two doors and proper ventilation and with A.C. It should have toilet facility. The chowky shall be equipped with PC, printer, internet, fax and all Basic Minimum facilities. Failing which a penalty of Rs 2500/- per day will be imposed on contractor. The contractor has to provide for site office as per requirement either on his/ her owned place or rented/ leased place. No separate payment will be made for providing the chowky and ancillary items. No permission and space for site chowky will be given / provided on Municipal road/ footpath. The contractor has to make their own arrangement on hire/ lease for site office.
77. The successful tenderers shall have to bear the testing charges for the tests carried out by the Municipal Material Testing Laboratory or any other approved testing laboratory as directed by the engineer as per the schedule of fees in force in respect of the various tests carried out by the Municipal Laboratory etc. The tenderers shall take this into account while quoting their rates. No extra payment on account of this will be made to the contractors.
78. The contractor has instructed not to provide/install site chowky, labourer's hut, godown etc on roads, carriageway/footpath. Any chowky/labourer's hut /site godowns found on footpath/carriageway without a permission from M.C.G.M or any competent authority, shall be fined Rs.1,000/-a day for first month and Rs.10,000/-a day thereafter.

79. i. The Engineer not below the rank of Assistant Engineer is entitled to impose a penalty of Rs. 2500/- per day/lapse, in accordance to the gravity of default communicated in writing.

ii. Penalty amount will be recovered from contractors running bill.

iii. This penalty is over and above Penalty mentioned under G.C.C.

iv. If it is observed that, the contractor carrying out the work fails to comply with the instructions given by the City engineer/ Director(E.S.&P) / A.M.C./M.C. twice during execution of work, 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 arbitral at all.

v. The above mentioned condition will be in addition to the relevant conditions in the General Condition of contract regarding cancellation of contract in full or partly final decision of disputes, difference of claims raised by the contractor or relating to any matter out of contract.

a. Other penalties:-

In addition to any penal action under the General Conditions of Individual contracts, a registered contractor will be liable under the registration Rule to one or more of the following penalties:

(A) Warning / Fine

A contractor will be liable to a warning and /or penalty for

(a) Non-compliance of any provision of the rules.

(b) Failure to comply with any clause or direction under these rules or comply with any conditions of e - Tenders / contracts.

(c) Inadequate progress / performance under the contract.

For the first default of any type mentioned above a warning will be issued. For each subsequent default of the types in (a) & (b) above the minimum penalty will be fine of Rs. 2,500/- while that for a default of the type (c) the minimum penalty will be Rs. 5,000/- for contracts of upto Rs. 25 Lakhs and Rs. 10,000/- for contracts of above Rs. 25 lakhs. Higher Amount of penalty may be levied by the competent authority for reasons to be recorded.

(B) Demotion

A contractor will be liable to be demoted to a lower class of registration on any of the following grounds:

(a) Specific failure or default in execution of individual works in respect of physical progress for qualify of such works.

- (b) Deterioration in financial or technical ability /capacity
- (c) Repeated failure to fill in e - Tender documents fully and correctly or delay in execution of formal contract documents.
80. The contractor has to exercise due care and caution while working on each item to ensure that other areas in the vicinity are not spoiled, defaced, broken, damaged etc. and if so affected, the contractor shall have to rectify the damage etc and make good the affected portion at his own cost and within the time frame set for.
81. Office Chairs / Lounge seating / Educational seating manufacturer shall be ANSI / BIFMA certified
82. The Engineer / Municipal Architect 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 will bear all the expenses for such testing. All bills, vouchers and test certificates which in the opinion of the Engineer in charge, their suitability shall be produced for his inspection when required.
83. The interpretation & decision given by Municipal Architect / Engineer in charge shall be final & binding to contractor for any discrepancies in drawings, description of items of work in BOQ & specification.
84. It will be binding on contractor to pay all the necessary charges as per prevailing policy of M.C.G.M apart from the charges as stated in the Tender.
85. **TESTING OF MATERIAL** –
1. The charges for testing of construction materials shall be as per the rates in force at the time of testing of materials/asphalt mixes and the testing charges shall be borne by the contractor.
    - a. All requests for testing of samples must be made in writing to in duplicate specifying there in the following information (separate memo should be sent for concrete, steel, soil, asphaltic mixes, cement sand, bricks) etc.
    - b. Name of the Work, Work Code No. if any.
    - c. Type of material and tests desired (i.e. grade of cement, date of consignment)
    - d. Identification mark on the sample should be mentioned on the forwarding memo (in case of concrete beams and cubes identification marks, grade of concrete, date of casting, specimen No. should be engraved on concrete. If these details are marked by paint, samples will not be accepted. In case of reinforcement bars, details shall be displayed on label pasted on bars and label must be signed by the officer who has taken the samples.)
    - e. Name and full postal address of the officer to whom the results must be sent.



- f. Date of sampling (Sr. No. of load casting concrete or taking cement samples.)
  - g. Name of the tenderer carrying out the work.
  - h. Any other information, which is specified by the user department.
2. Samples must also bear the identification mark and signature of site in charge/officer taking the samples. In case of samples of asphalt mixes sent in polythene bags a legible duplicate tag should be stapled from outside.
  3. Quantity of sample for testing must be adequate as shown in the schedule.
  4. For issuing additional copies or duplicate copies of test results at Municipal Testing Lab. Rs. 25/- will be charged for each copy. Request for additional /duplicate copy should be made in writing by site in charge or higher officers of the user department. The charges will be borne by contractor.
  5. Samples for tensile testing of reinforcing bars shall be straight for entire length without bends. The ends of the bars shall be hacksaw cut and not chisel cut. One sample of each diameter bar shall be sent for first test and for retest, two bars shall be sent. The length of the bars shall be 50 cm. for all diameters. Test Certificates (Chemical/Physical tests from manufacturers) will be submitted along with each Lot of Steel.
  6. Samples that are sent for testing for natural moisture content, shall be forwarded in wax coated packing or sealed airtight bags.

Undisturbed samples sent in sampling tube shall be wax coated on both open ends

86. The Corporation will not be responsible for any delay that may be caused due to unforeseen circumstances and no compensation on this account will be paid/entertained.
87. No separate payment will be made for de-watering the water seeping in the trenches and foundation pits opened while executing excavation and other foundation works. The possibility of high water table should be kept in mind while quoting the percentage as the site is in low lying area.
88. While excavating the trenches for foundation utmost care shall be taken that the foundation of adjoining structures will not be disturbed.
89. After completion of the waterproofing work, the leakage test shall be carried out after impounding the water and plugging the openings at least for 10 days without any extra cost.
90. Notwithstanding the source, the sand shall be washed using electrically operated sand washing machine, before use. The use of CRF can be granted as per Circular No. CE/PD/26286 /I of 11.02.11.

91. Reinforcement bars shall be purchased from such manufacturers or their authorized dealers who manufacture the steel with the basic process. The steel bars shall be embossed with manufacturer's name. Original manufacturer's test certificate shall be insisted for reinforcement bars in the form of half embossed and half printed. Test certificate in photocopy or other form will not be accepted. Engineer's decision regarding make of the steel will be final and binding on the contractors.
92. Tenderers should note that the measurements for the excavation items will not be taken for whole quantity of the excavation from the ground level up to the depth specified but will be taken for the quantity excavated between the specified depths only.
93. If due to small quantity of concrete (Less than 5 Cu.m.) or if concrete is not to be used as structural concrete nominal mix of equivalent strength may be made on site by the permission of Engineer, not below the Executive Engineer. However, rebate of Rs. 100/- per Cu. m shall be taken for non-using the Ready mix Concrete. However, in such cases, the concrete shall be as per mix design and machine mixed
94. The R.M.C. works required to be done shall be got executed with the specified R M C mixes; supplied by BMC approved R.M.C. plants
95. The payment for excavation shall be made on cross sectional basis. Before starting the work initial levels will be taken at every 5 m to 2 m or less depending on site conditions along the entire length of the proposed work levels at every 1.50 m to 2m minimum would be taken along the width of the section. The excavation quantity would be computed on the basis of levels thus taken by resorting the Prismoid Formula or as directed by the Engineer-in-charge in case of encroachment and other structures. For establishing the datum line the average of the two end points of the ultimate cross-section required for excavation work will be considered.
96. Tenderer shall note that no extra payment shall be made for carrying out filling / carrying out preparatory works like excavation, dewatering, compaction, access road, working platform etc to facilitate implementation of construction works and the quoted rates of tenderer shall be deemed to include carrying out all such temporary works etc.
97. If concrete surface Finish of work is not as per specified class of finish and honeycombing is observed in the surface, penalty of Rs. 5000/- per Sq.m. will be imposed.
98. The contractor shall implement anti-malarial measures for each site during execution of works in case of failure to implement above measures a penalty of Rs.5000/- per day shall be imposed.

99. The anti-termite treatment before starting of work and after completion of work shall be carried out through reputed Pest Control companies such as PCI.
100. While excavation contractor may encounter foundations of existing structure Contractor will have to execute all such works under relevant items of excavation in B.O.Q without claiming any extra charge.
101. The Contractor shall in connection with the works provide and maintain at his own cost all lights, guards, fencing and watching when and where necessary or required by the Designer or Designer's Representative or by any duly constituted authority for the protection of the works or for the safety and convenience of the public or others. The security & safe keeping of the contractor's material, equipment, tools, etc. shall be the sole responsibility of the contractor
102. The contractor which expression shall include any person or group of persons representing the contractor who are required to handle iron and steel materials shall register themselves as employer with the Mumbai Iron and Steel Labour board and shall completely fulfil all the obligatory provisions of the Maharashtra Mathadi, Hamal other Manual Workers(Regulation of employment and Welfare) Act 1969, and the Mumbai Iron and Steel Unprotected Workers (Regulation of employment and Welfare)Scheme 1970. The consequences of failure of compliance of any of these provisions will entirely be the liability and responsibility of the Contractors.
103. A full time qualified site engineer shall be deputed on site by the contractor to co-ordinate the various activities, report the progress of work, maintaining the record etc.
104. All up to date site records should be maintained by the contractor as per direction of Engineer In Charge. Contractor should submit up to date records along with relevant RA bill.
105. The contractor shall maintain the requisite registers (record) during execution of work.

List of Registers

Register Code	Name of Register
1	Instruction Register
2	Daily Progress Register
3	Cement Variation Register
4	Cement Register

Register Code	Name of Register
5	Material Testing Result File
6	Photograph File
7	Penalty Register
8	Correspondence File
9	File Containing Drawings
10	Inventory Register
11	Steel Register
12	RMC/Concrete Register
13	Cube Test Register
14	Contractor's Site Staff Attendance Register
15	Any Other Registers Required As Per Description Of Items For Any Activity/Material/Quantity For Which Payment is Made Or As Instructed By Engineer In charge.

106. Variations in the quantities mentioned in the tender documents can be to any extent (increased or decreased) this clause will prevail the Clause No. 10 of standard GCC, 2016 and escalation in the rates shall not be permitted on this account.

107. The tenderer are welcome to contact staff of DyCE(BC)ES / Municipal Architect if they have any doubts / query about any of the contents of the tender document

108. Tenderers are requested to visit the site and verify the site conditions, nature and quantum of work before submitting the tenders

109. If during period, concrete road/pavement fails due to (1) development of cracks (2) Spalling of edges (3) Erosion of concrete surface etc., the action as decided by the engineer shall be taken against the C/s. In case of development of structural/full depth

cracks, 25% cost of the slab per cracked panel shall be recovered as penalty. The penalty amount shall not exceed cost of respective slab. However, for cracks in M.H. bays, entire cost of M.H. bays shall be recovered. If the contractors replace the cracked panels within time and within the guarantee period, the said amount shall be paid separately. It is obligatory on the part of contractors to take care of such cracks during the guarantee period. During the defect liability period, dressing of joints complete in all respect shall have to be done free of cost at least once in a year preferably in the month of April or May or as directed by the engineer under municipal supervision.

110. The decision regarding any financial implications levied by Central/State Government, post bid shall be decided by Competent Authority of BMC and shall be binding.
111. The contractor when called upon will take up the additional work and complete the same at their rates, terms & conditions of the contract without claiming any compensation and work shall be completed within the time period allotted to this contract. All taxes/duties etc. will be borne by the contractors and not by the BMC.
112. The successful tenderer should provide sufficient number of security guards on site for 24 x 7 till the completion of work without any charges & remuneration
113. A) The BMC empanelled consultant appointed for any work shall be solely responsible for all design parameters / design aspects and calculation submitted by him/her to the Engineer-in charge of the work  
B) For critical structures on hilly areas, the design submitted by the empanelled consultant shall be peer reviewed by independent expert from institute such as VJIT, SPCE or IIT Bombay. ( as per circular no DMC/SE/501/MC dated 26.11.2019 regarding guidelines/ preventive steps to be taken for all existing compound wall and the properties owned by BMC)
114. The articles wherever required should be manufactured within the Greater Mumbai limit to facilitate inspection of the articles.
115. The tenderer shall invariably submit this tender notice form together with the specifications, schedule of quantities and rates duly filled in and signed. Any irregularities in this respect shall cause rejection of the quotation.
116. The Contractor shall provide double scaffolding in steel frame only having proper facility of staircase, while carrying out external activities such as external brick work, plastering, painting, plumbing etc. at his own cost. No separate payment will be made for the same. Contractor shall take cognisance and quote accordingly.
117. Conditions mentioned in following circulars are applicable.

1. Internal Grievance Redressal Mechanism under circular no Ch.E(V)/436/B dtd. 18.05.2023
2. Undertaking regarding work will be completed within stipulated time period under circular no AMC-ES-2700 dated 25.5.2019
3. Tenderer shall pay building & other building worker welfare cess @ 1% of construction cost as per Maharashtra State building & other building welfare cess act 1996 to the BMC in consultation with C.A.(finance) as per Circular no CA/FRT/12 of 21.06.2012 regarding building construction and other worker cess.

118. Contractor is bound to carryout entire work and comply all the points related to M&E , Fire fighting, Lifts, Civil works etc. as specified in CFO NOC.
119. Vide MGC/1102 dtd. 25.10.2023 and enforcing MPCB from time to time guidelines regarding air pollution and mitigation shall be forwarded to the contractor on site.
120. Contractor shall follow all guidelines issued by MPCB & Hon. Municipal commissioner vide under no. MGC/1102 dtd. 25.10.2023 from time to time regarding mitigation of air pollution on site.

**SECTION 11**

**SPECIFICATIONS**

**& SELECTION OF**

**MATERIAL**

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## **SPECIFICATIONS & SELECTION OF MATERIAL**

The tender is prepared on the basis of Unified Schedule of Rates and specifications 2023. The specifications of the items of USOR 2023 are available on BMC portal <http://portal.mcgm.gov.in> under the Tender tab. Hence the deserving contractor shall either download the same from BMC portal or the same may be collected in the soft copy format at the time of purchasing the tender from this office.

### **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 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 of samples of all materials to be used in the works and shall deposit these samples with him 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 will bear all expenses for such testing. All B 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 materials 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 materials from any particular source, as may in his opinion be necessary for the proper execution of the work.
7. All Materials shall be procured and used on site for M&E Work is as per standard approved make list mentioned in M&E USOR-2023.
8. Notwithstanding the source, the sand shall be washed using sand washing machine before use.

**LIFT Specification:**

Lift shall be installed as per specification and as per standard approved make list mentioned in M&E USOR 2023 for the shaft size given in the plan. Alongwith this contractor has to provide CCTV Surveillance system for lift comprising Min. 2.0 MP Full High Defination(FHD), Internet protocol (IP) based vandal proof dome camera in lift car/inside lift shaft top aimed on lift machinery, A video cable to be provided to connect CCTV Cameras.

The SITC of lifts includes entire procedure of obtaining all the necessary erection permissions & “License to work the Lift” from Lift inspector (PWD)Govt. of Maharashtra with submission to the Engineer in charge with 3 years DLP. PWD charges for seeking permission and license fee shall be borne by successful contractor. The rates quoted shall be inclusive of this. The work will be deemed to be complete only after mandatory requirement of getting PWD license is fulfilled. The SITC work of Lift shall comply all the points related to lifts mentioned in CFO NOC.

**As per CFO NOC following points shall be considered while execution of Lift work:**

1. Walls enclosing lift shall have a Fire resistance of not less than 2 hours.
2. Shaft shall have permanent vent of not less than 0.2 sqmtr in clear area immediately under the machine room.
3. Landing doors and Lift car Doors of the lift shall be of steel shuttered with fire resisenace of 1 hour. No collapsible shutter shall be permitted.
4. Threshold of Non combustibile material shall be provided at the entrance of each Landing door.

## **SECTION 12**

# **FRAUD AND CORRUPT PRACTICES**

## **FRAUD AND CORRUPT PRACTICES**

- ❖ The Applicants 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 Application without being liable in any manner whatsoever to the Applicant if it determines that the Applicant 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 hereinabove, if an Applicant 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 Applicant 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 Applicant 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 Applicants 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 Financer 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 Financer’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, non-competitive levels.
- x. A “party” refers to a participant in the procurement process or contract execution.

**SECTION 13**  
**PRE BID MEETING**

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## **PREBID MEETING**

~~Pre-bid meeting of the interested parties shall be convened at the designated date, time and place. A maximum of three representatives of each Applicant shall be allowed to participate on production of authority letter from the Applicant.~~

~~During the course of Pre bid meeting, the Applicants will be free to seek clarifications and make suggestions for consideration of the Authority. The Authority shall Endeavour to provide clarifications and such further information as it may, in its sole discretion, consider appropriate for facilitating a fair, transparent and competitive Bidding Process.~~

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**SECTION -14**

**LIST OF APPROVED**

**BANKS**

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## **LIST OF APPROVED BANKS**

1. The following Banks with their branches in Greater Mumbai and in suburbs and extended suburbs up to 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 Limit categorically endorsing thereon that said bankers Guarantee is binding on the endorsing Branch of the bank within 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.

**Note:**

- 1) [IDBI bank not acceptable as per circular no. CA/FBK/303 dt. 17.03.2018](#)
- 2) [Also refer CA/FBK/25 dt. 30.10.2014 & CA/FBK/241 dt. 27.11.2019](#)

**List of approved Banks:-**

<b>A</b>	<b>S.B.I and its subsidiary Banks</b>
1	State Bank Of India.
2	<del>State Bank Of Bikaner &amp; Jaipur.</del>
3	State Bank Of Hyderabad.
4	State Bank Of Mysore.
5	State Bank Of Patiyala.
6	State Bank Of Saurashtra.
7	State Bank Of Travankore.
<b>B</b>	<b>Nationalized Banks</b>
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.
15	Indian Bank.
16	Indian Overseas Bank.
17	Oriental Bank Of Commerce.
18	Punjab National Bank.
19	Punjab & Sindh Bank.

20	Syndicate Bank.
21	Union Bank Of India.
22	United Bank Of India.
23	UCO Bank.
24	Vijaya Bank.
24A	Corporation Bank.
C	Scheduled Commercial Banks
25	Bank Of Madura Ltd.
26	Bank Of Rajasthan Ltd.
27	Banaras State Bank Ltd.
28	Bharat Overseas Bank Ltd
29	Catholic Syrian Bank Ltd.
30	City Union Bank Ltd.
31	Development Credit Bank.
32	Dhanalakshmi Bank Ltd.
33	Federal Bank Ltd.
34	Indsind Bank Ltd.
35	I.C.I.C.I Banking Corporation Ltd.
36	Global Trust Bank Ltd.
37	Jammu & Kashmir Bank Ltd.
38	Karnataka Bank Ltd.
39	KarurVysya Bank Ltd.
40	Laxmi Vilas Bank Ltd.
41	Nedugundi Bank Ltd.
42	Ratnakar Bank Ltd.
43	Sangli Bank Ltd.
44	South Indian Bank Ltd.
45	S.B.I Corporation &Int Bank Ltd.
46	Tamilnadu Mercantile Bank Ltd.
47	United Western Bank Ltd.
48	Vysya Bank Ltd.
D	Schedule Urban Co-op Banks
49	Abhyudaya Co-op Bank Ltd.
50	Bassein Catholic Co-op Bank Ltd.
51	Bharat Co-op Bank Ltd.
52	Bombay Mercantile Co-op Bank Ltd.
53	Cosmos Co-op Bank Ltd.
54	Greater Mumbai Co-op Bank Ltd.
55	JanataSahakari Bank Ltd.
56	Mumbai District Central Co-op Bank Ltd.
57	Maharashtra State Co-op Bank Ltd.
58	New India Co-op Bank Ltd.
59	North Canara G.S.B. Co-op Bank Ltd.
60	Rupee Co-op Bank Ltd.
61	Sangli Urban Co-op Bank Ltd.
62	Saraswat Co-op Bank Ltd.
63	ShamraoVithal Co-op Bank Ltd.
64	Mahanagar Co-op Bank Ltd.
65	Citizen Bank Ltd.
66	Yes Bank Ltd.

<b>E</b>	<b>Foreign Banks</b>
67	ABM AMRO (N.Y.) Bank.
68	American Express Bank Ltd.
69	ANZ Grindlays Bank Ltd.
70	Bank Of America N.T. & S.A.
71	Bank Of Tokyo Ltd.
72	Bankindosuez.
73	BanqueNationale de Paris.
74	Barclays bank.
75	City Bank N.A.
76	Hongkong& Shanghai banking Corporation.
77	Mitsui Taiyokbe Bank Ltd.
78	Standard Chartered Bank.
79	Cho Hung Bank.

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# **SECTION –15**

# **APPENDIX**

## FORM OF TENDER

To,

The Commissioner (Brihanmumbai Municipal Corporation)

Sir,

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

---

---

- 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 Conditions of Contract
- vii. Annexure A and B.
- viii. Bill of Quantities and Rates.

1. A. 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).

B. 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	
1..... ..... ..	AC No. ..... .
2..... ..... ..	Name of Bank ..... .
3..... ..... ..	Name of Branch ..... .
4..... ..... ....	Vendor No. .....
5..... .....	

## AGREEMENT FORM

Tender / Quotation

dated ..... 20...

Standing Committee/Education Committee Resolution No.

.....

CONTRACT                      FOR                      THE    WORKS

.....  
.....

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

Between.....  
.....

..... inhabitants of Mumbai, carrying on  
business at.....

..... in Bombay under the style  
and                      name                      of                      Messrs                      .....

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

.....  
the Director(E.S.&P.) (hereinafter called “the commissioner” in which expression are included  
unless the inclusion is inconsistent with the context, or meaning thereof, his successor or  
successors for the time being holding the office of Director (E,S.& P)of the second part and the  
Brihanmumbai Municipal Corporation (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  
THIS AGREEMENT WITNESS 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 BMC
- 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 )

Seal

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Trading under the name and style of )

In the presence of witness :

Witness no.1 : Name & address

Name – \_\_\_\_\_ )

Resi. Address- \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
Signature of witness no.1

In the presence of witness :

Witness no.2 : Name & address

Name \_\_\_\_\_ )

Resi Address : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature of Witness no.2

Signed by the Dy. Municipal Commissioner,

The Director (ES&P) in the presence of

1. \_\_\_\_\_

2. \_\_\_\_\_

Director (ES & P)

Name and Signature of Concern

Dy.Ch.Eng&Ch.Eng (HOD) with Designation

Stamp

Dy.Ch.Eng

Chief Engineer

Shri./Smt.

Shri./Smt

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.

Committee of the Brihanmumbai Municipal Corporation

Witness :

(Shri/Smt . .....)

Office Superintendent,

Municipal Secretary Office

Contract examined with the Quotation/Tender and the Resolution No. .... dated  
..... of the Standing/Municipal Commissioner / Director (ES&P)'s Sanction No.  
.....dated.....etc are correct.

Signature of Asst.Eng. or Ex.Eng and Dy.Ch.Eng



**ANNEXURE " A "****Name of work :**

City Engineer (\_\_\_\_\_)

1. The Engineer for work: Dy.City.Eng.(\_\_\_\_\_)  
Ex.Eng.(\_\_\_\_\_)
2. Estimated cost of Tender:

Sr No	Description of work	Total Amount Rs.
1	Civil Work (Excluding GST)	₹ 15,60,74,300.00 /-
2	Electrical (Excluding GST)	₹ 2,21,86,362.00 /-
3	Fire Fighting Work (Excluding GST)	₹ 38,57,525.00 /-
4	Total Amount (Excluding GST)	₹ 18,21,18,187.00 /-

3. Earnest Money (1% of the Estimated cost) = ₹ 18,21,182 /-

4.

1.Contract as a whole Period completion	<b>21 Months (Including of Monsoon)</b>
2. Part or Groups of items	
i)	i)
ii)	ii)
iii)	iii)

5. Percentage to be charged as supervision charges for the work got executed through other means 10.00 percent.

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.

6. 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.

7. 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**

(On Rs. 500/- Stamp Paper)

### **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, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BMC, 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 BMC 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 BMC 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 BMC 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 an Application without being liable in any manner whatsoever to the Applicant if it determines that the Applicant 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:

1. “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 ;
2. “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;
3. “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
4. “restrictive practice” means forming a cartel or arriving at any understanding or arrangement among Applicants with the objective of restricting or manipulating a full and fair competition in the Bidding Process.

Signature of Tenderer/Bidder

## **Annexure- C**

(On Rs. 500/- Stamp Paper)

### **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 nochange 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, BMC is entitled to carry out the work allotted to me by any other means at my risk and cost, at any stage of the con-tract.
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  
\_\_\_\_\_ in  
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 COMMISSIONER (BRIHANMUMBAI MUNICIPAL CORPORATION) (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 Contractors have submitted to the  
Commissioner tender for the execution of the work of  
" \_\_\_\_\_ and the terms of such  
tender /contract require that the Contractors 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 Contractors 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 Contractors, 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  
Contractors are constituents of the Bank and in order to facilitate the keeping of the accounts of  
the Contractors, the Bank with the consent and concurrence of the Contractors 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 AGREEMENT WITNESSES that in consideration of the premises, the Bank at the request of the Contractors ( 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 up to \_\_\_\_\_”Notwithstanding anything what has been stated above, our liability under the above guarantee is restricted to Rs. \_\_\_\_\_ only and guarantee shall remain in force up to \_\_\_\_\_ 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- D RATE ANALYSIS

### Item Description

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

**Signature of Tenderer/Bidder**



## PROFORMAS:

### PROFORMA-I

The list of similar works as stated in Para 'A' of Post qualification during last seven years –

PROFORMA – I					
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:

- Scanned 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.
- Works shall be grouped financial year-wise.

### PROFORMA- II

Yearly turnover of Civil Engineering Construction Works during the last five years.

PROFORMA – II					
Sr. No.	Financial Year	Annual Turnover of Civil Engineering Works	Updated value to current year	Average of last 5 years	Page No.
1					

2					
3					
4					
5					
Total					

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

### PROFORMA- III

At least similar work, as stated in Para 'A' of Post qualification,.

PROFORMA – III							
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 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.

### PERSONNEL:

PROFORMA – IV					
Sr. No.	Post	Name (Prime Candidate/ Alternate)	Qualification	Work Experience	
				No. of Years	Name of Projects
1	Project Manager				
2	Quality Control Engineer				
3	Site Engineer				
4	Site supervisor				

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

### MACHINERY:(for special work only)

Proforma-V/A			
Sr. No.	Equipment	Nos	Owned/Leased/Assured access

1			
2			
3			

<b>Proforma-V/B</b>			
Sr. No.	Equipment	Nos	Owned
1			
2			
3			

**Note:**

The tender(s) shall furnish/ upload the requisite Scanned Attested documents of ownership / leased of machineries. The undertaking from the suppliers will not be accepted.

**PROFORMA- VI/A**

Details of Existing Commitments and ongoing works–

<b>PROFORMA VI/ A</b>							
Description of work	Place	Contract No. & Date	Name & Address 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 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.

**PROFORMA- VI/ B**

Details of works for which bids are already uploaded–

**PROFORMA VI / B**

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

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

**PROFORMA- VII**

The tender shall upload information on litigation/arbitration history in which the tenderer involved in the Proforma VII–

Other party (ies)	Employer	Cause of Dispute	Amount involved	Remarks showing present status

Note: Scanned Attested copies of documents should be annexed and uploaded.

## **DIRECTIONS TO TENDERERS FOR FILLING IN THE BILL OF QUANTITIES &RATES**

The Bill of Quantities shall be read in conjunction with the Instructions to Bidders, General and Special Conditions of Contract, Technical Specifications and Unified Schedule of Rates uploaded on BMC website, Drawings, Appendix and Addendum etc.

**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 separable by BMC. However, while quoting the rates benefit of Input Tax Credit or Exemption shall be passed on to the BMC by way of equivalent reduction in quoted price.**

The whole cost of complying with the provisions of the Contract shall be included in the Items provided in the priced Bills of Quantities, and where no Items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related Items of Work.

**The rates and prices bid in the priced Bill of Quantities shall, except insofar as it is otherwise provided under the Contract, include, but not limited to, all Constructional Plant, machinery, labour supervision, materials, erection, maintenance, insurance, establishment, profit, all taxes and duties, together with all general risks, liabilities, and obligations set out or implied in the Contract.**

**The quantities given in the Bill of Quantities are estimated and provisional and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Contractor and verified by the Engineer and valued at the rates and prices bid in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the engineer may fix within the terms of the Contract.**

1. The tenderer shall fill/ upload in the percentage either plus or minus (i.e. above or below) in the Financial Bid in figures or at par, % quoted '0' (zero) will be considered as at par (by default also). Corrections, if any, can be made till end date (i.e. last date) and time, before submitting the bid.
2. The percentage rate inserted below shall hold good for all work done under this contract without reference to quantities or location of the work.
3. Quantity of each item for works mentioned in the Schedule should be observed and the percentage rate should be well scrutinized with the consideration of specification before

- submitting the tender as no variation in rates etc. will be allowed on any ground such as mistake misunderstanding etc., after the tender has been submitted.
4. Percentage rate should be legibly written. Erasures or corrections in figures without tender initials will render the tender liable to rejection.
  5. Tenderers are requested to note that though the contract is for percentage rate only they are required to add or deduct the amount due to this percentage as the case may be and to work out the final figure at the end of the tender. Any irregularity on this point may justify the rejection of the tender.
  6. Tenderers should note that the measurements for the excavation items will not be taken for the whole quantity of excavation from the ground level upto the depth specified but will be taken for the quantity excavated between the specified depths only.
  7. Tenderers while quoting the tenders shall note that in the case of the tenders for the water proofing the existing buildings, special care shall be taken to see that no leakage of water takes place on the Lower floors of the existing structure, while carrying out the tender work. Any leakage, if occurred shall be stopped by the contractors immediately. And nothing extra on account of these works for stopping water leaking to lower floors shall be paid. If sufficient precautions are not taken to stop the leakage the same will be carried out at the risk and cost of the Contractors. In this regard, the contractors shall be fined for any lapse. In addition, any further action including degradation of the contractor shall be taken as deemed fit.

### **List of R.M.C. Plants registered with BMC-**

The contractor shall supply R.M.C. from approved suppliers during execution of the work. The approved suppliers shall be selected from the list i.e. circulated by office of Ch E.(Roads) department (time to time).

The Municipal Site Engineer to ensure the validity of registration certificate of R.M.C. plant and compliance of conditions laid down in the registration certificate issued to the R.M.C. plant owner before receiving R.M.C. mixes.

### **LIST OF THE MANUFACTURERS REGISTERED WITH BMC FOR SUPPLYING PRECAST ITEMS TO THE WORKS OF BMC.**

The contractor shall supply precast items from approved suppliers during execution of the work. The approved suppliers shall be selected from the list i.e. circulated by office of Ch E.(Roads) department (time to time).

The Municipal Site Engineer to ensure the validity of registration certificate of precast items plant and compliance of conditions laid down in the registration certificate issued to the precast items owner before receiving precast items.

### **LABORATORY REGISTERED WITH BMC-**

The updated list at the time of execution of works can be obtained from the Dy.Ch.E. (Roads) planning office.

**Note:** The tests to be carried out in the above laboratory shall be restricted to maximum 20% per project.

## List of Approved Material as per USOR 2023- M&E

- Unless otherwise mentioned specifically only one of the following approved make/ brands of various electrical accessories will be used.
- The contractors should distinctly understand that it will not be their prerogative to insist on using a particular make/brand amongst the approved ones.
- The list is subject to revision from time to time.

### LIST OF APPROVED MATERIAL

Unless otherwise mentioned specifically only the following approved make / brands of various electrical accessories will be used. In case, there are two types of product under one brand name, then product having I.S.I. mark shall be used. In case, the approved brands are not available in the market then, equivalent product, which shall be approved as per relevant standards shall be used.

The contractors should distinctly understand that it would not be their prerogative to insist on using a particular make/brand amongst the approved ones.

The list is subject to revision from time to time, any change of brand name or change in company's name shall be 'deemed approved' from the date of such change.

Sr. No.	Item Description	Makes / Brand
1.	H.T. Switchgear.	Siemens, L&T, Kirloskar, Bhel, English Electric, ABB, Jyoti, Crompton Greaves, C&S, ALSWG.
2.	L.T. Switchgear.	
A)	Enclosed in sheet steel with H.R.C. fuses for 63 Amps., and above.	L&T, Siemens, Havell's, Jyoti, CPL, Schneider, KEW, Kalki, Standard, Indo Asian, Versatrip, HPL, C&S, BCH, Bentec
B)	Cast iron with rewirable fuses.	Bosma, KEW, CPL, Kalki, Harisons, HPL, C&S, BCH, Bentec
C)	Cast iron or enclosed in sheet steel changeover switch.	KEW, Bosma, CPL, Havell's, Indo Asian, Kalki, Harisons, HPL, Legrand, Anchor, Cona, C&S, Bentec
D)	Circuit Breakers (Moulded case).	L&T, Siemens, Havell's, Indo Asian, Schneider, MDS, ABB, Standard, HPL, Moeller HPL, Legrand, Anchor, Cona, BCH, Bentec
E)	Miniature Circuit Breakers	MDS, Havell's, Guts, Standard, Versatrip, Indo Asian, Guts, Siemens, Leader, Moeller HPL, HPL, Legrand, Cona, C&S, KOLORS, Bentec, Goldmedal
F)	Cubical panel switchgear accessories.	
I)	TPN / DP Switches / Isolators.	L&T, Siemens, KEW, Standard, CPL, Havell's, Indo Asian, Versatrip, HPL, Legrand, Anchor, Cona, C&S, BCH, Polycab.
II)	Rotary CAM type, Selector switch.	Siemens, Thakoor, Kaycee, AEI, Standardgold, HPL, C&S
III)	Start / Stop push button stations.	L&T, Siemens, Cutler-Hammer, Kaycee, Havell's, C&S, BCH.
IV)	Contactors.	Schneider, Havell's, L&T, Siemens, Cutler-Hammer, ABB, HPL, C&S, BCH.
V)	Indicating lamp (Neon Type)	Siemens, Vaishno or equivalent approved by relevant standards, BCH.
VI)	Indicating lamp filament type with resistance.	National, Kamla, BCH, or equivalent approved by relevant standards.



	VII)	Earth leakage circuit breakers.	Datar, Standard, L&T, Havell's, English Electric, Indo Asian, Guts, Versatrip, 'Guts' Siemens, Leader, Moeller HPL, Cona, C&S, Bentec
	VIII)	H.R.C. Fuse.	Siemens, L&T, English Electric, Kaycee, Havell's, Indo Asian, Versatrip, Guts, Standard, KEW, HPL
3.		Power Transformer.	Essun, Kirloskar, Bhel, Bharat Bijlee, Emco, GEC, Voltamps, Crompton Greaves, Telawane
4.		Distribution Boards.	
	A)	With rewirable fuses.	Bosma, KEW, Stanley, CPL, Havell's, Indo Asian, Kalki, Standard, HPL, Legrand, Cona, BCH, Goldmedal
	B)	With HRC Fuse	English Electric, L&T, Siemens, Kew, Kaycee, Havell's, Indo Asian, Standard, HPL, Legrand, Cona, BCH.
	C)	With MCB's.	MDS, Standard, Indo Asian, Havell's, Versatrip, Guts, HPL, Legrand, Cona, BCH, Bentec, Polycab, Goldmedal, Vinay
5.		Cables.	1 <sup>st</sup> Category: Finolex, Polycab, Tropodur, Gloster, Asian, Nicco, Universal, Incab, Havell's, Torrent, Vishal, HPL, KEI, Avocab, Bentec, Anchor, R.R.Kable, Kenter 2 <sup>nd</sup> Category: Supreme, Rajcab, Fixocab, Rolex, Sunlight, Dicabs, Cona, Leader, Vinay, Rallison, Unicab, Ultracab, Ravin, Electrolite, MetroCab, CORDS
6.		Socket / Lugs.	Dowells, Jainson, HPL or equivalent approved by relevant standards
7.		PVC Wires.	1 <sup>st</sup> Category : Finolex, Polycab, Gaztek, Nicco, Havell's, Torrent, RR Kabel, Anchor, Vishal, HPL, KEI, Avocab, Bentec, Kenter 2 <sup>nd</sup> Category : Rajcab, Poliplast, Supreme, Pyroflex, Philco, Rolex, Sunlight, Cona, 'GMC', Leader, Vinay, Rallison, Unicab, KOLORS, GM, PRESS FIT, Electrolite, MetroCab, Goldmedal
8.		Conduit.	
	A)	M.S.Black and G.I. Conduit.	BEC, Vimco, BI, EWC.
	B)	Rigid PVC conduit and accessories.	Precision, Asian, Diamond, BEC, Circle Arc, Swastik, Premium, Polycab, GM, PRESS FIT
9.		PVC casing-n-capping and accessories.	Presto-plast, Modi's, Sunplast, Precision, Diamond, Circle Ark, Alta, Suner Plast, Shriplast, PRESS FIT
10.		Screws.	Nettle Fold, King Fold, Precision Fastners.

11.	Piano switches flush mounting (5 to 15 Amps.) / wall sockets & plugs (surface mounting). Modular Switches (5 to 15 Amp) holder pendant / batten / angle, three plate ceiling rose (for 3 core twisted flexible wire), 30 Amps. D.P. Ticcino type switch fuse with indicating lamp, bell push surface mounting, flush mounting.	Roma, Kalki, Strong, Leader, Cona, Modern 'ACE', Modern 'FAME', Modern 'Image', SSK, Harisons, Havell's, Safron, Vinay, Precious, Standard, 'elle' of M/s Aerolite, 'elleys' of Elle Elec. Pvt. Ltd., Anchor, Legrand, Cona, C&S, KOLORS, GM, Precision, Goldmedal, Vinay, Benlo, HPL, PRESS FIT, Hi-Fi
12.	Wall socket and plugs metal clad (ray roll type).	GEC, AE, Havell's, Crompton Greaves, Indo Asian, Standard-Gold, SSK, Precision.
13.	PVC Board.	Sunwood, Presto-Plast or ISI marked.
14.	Special accessories concealed / decorative (plate switches).	CPL, Roma, Anchor, Precision, Indo Asian, Harisons, Kalki, elleys, Vinay.
15.	Two / Three core flexible wires.	Polycab, Pyroflex, Philco, Fixocab, Rajcab, Poliplast, Anchor, RR Kabel.
16.	Storage heater with thermostatic control.	Bajaj, Spherohot, Racold, Ketco, Crompton, Aqua Therm.
17.	Lamps.	
	A) GLS Filament.	Bajaj, Crompton, Philips, GEC, Mysore, ECE, HMT, Surya, Cema, HPL.
	B) Fluorescent, HPMV, HP/LP-SV, Halogen / MLL	Bajaj, Crompton, Philips, HMT, Anchor, ECE, Surya, Osram, Cema, HPL.
	C) Halogen / MLL & metal halide.	GEC, Philips, Crompton, Bajaj.
	D) CFL 8 to 24 Watts upto 36 watts, Groove type, pin type.	Bajaj, Crompton, Phillips, GEC, Mysor, Anchor, Wipro, Hykon, CEMA, Osram, GE, Halonix, HPL.
18.	Fitting for fluorescent HPMV lamps and LP / HPSV lamps with copper wound chokes and condensers. Bulkhead fittings, Duoflux / dispersive reflectors, flood light fittings. Recessed mounted CFL 36 Watt & Low Watt. Fittings which use energy saving light source like CFL, TL-5	1 <sup>st</sup> Category : Philips, Anchor, Crompton, Bajaj, Wipro, Surya, Havell's, Kalki, Altralite, HPL, Halonix,  2 <sup>nd</sup> Category : Monarch, Vikrant, Naman, National, Shakti, Ansu, Yogolite, Harisons, Fixolite, Gaztek, Glolite, Asian, GE, Osram, Kwality, Hykon, United, Jain Irrigation, Thorn, Cona, Eata, Pierlite, C&S

18A		LED light fixtures and Special fittings	Intelux, Pyrotech, Lance, GM, ALTRA-LITE, Orient ,RR Electric, Vin,Opple, Luker, Halonix, Kalki, Benlo, Goldmedal, Syska, Polycab, QuizLED, HPL, Lighting Technologies
19.		Special fittings.	Philips, Bajaj, Crompton, Canara, Geminiglobal, Tulip, Kalki, Gaztek, HPL.
20.		Bell.	
	A)	Call bell / buzzer.	Bajaj, Kalki, Anchor, Harisons, Rider, Cona.
	B)	Gong bell / alarm bell.	Edison, Target, Modern, Kheraj, Harison, Leader.
21.		Exhaust fans / pedestal fans air circulators.	Crompton, Bajaj, Almonard, GEC-Alstom, Alfa, Ansu, Innova, Cinni, Adler, Halonix.
22.	A)	Ceiling fans with double ball bearings.	1 <sup>st</sup> Category : Crompton (high breeze), Bajaj (Kassels 50 ISI), Bajaj (Excel), Polycab, Anchor
			2 <sup>nd</sup> Category : Orient (New Breeze and Summer Cool), , Crompton (high speed), R R Electric, Halonix,
	B)	Table fans wall mounting fans / cabin fans.	Crompton, Usha, Ralli, Innova, Alpha, Cinni, Bajaj
23		Copper Ballast for fluorescent lamp	Philips, Crompton, Bajaj, Kalki, Gaztek, HPL.
24.	A)	Capacitor for motive power.	Epcos, Usha, Enco, Crompton-Greaves, Madhav, Khatau Junkar, RD, MSIL, Siemens, L&T, Shreem, Mahan, BCH.
	B)	Condenser for fluorescent (Repair work).	Epcos, Elconic, Priya, RD.
25.		D.G.Set.	
	A)	Engine.	Kirloskar, Ruston, Greaves-Cotton, Mahindra, Cooper Corp
	B)	Alternator.	Kirloskar, Stanford, NGEF, Crompton Greaves.
26.		Submersible Pumpsets	
	A)	Submersible electrically driven water pump sets (Open Well)	Kirloskar, KSB, SU, Calama, Atlanta, Waterman, Laxmi, PEW, Darling, Agasti, C.R.I., Crompton Greaves, Perfect, Plugra, Shakti, Jasco, Lubi, U-neel
	B)	Submersible electrically driven water pump sets (Bore Well)	Kirloskar, KCB, SU, Calama, Atlanta, Waterman, Laxmi, PEW, Darling, Agasti, C.R.I., Crompton Greaves, Perfect, Plugra, LADA, Shakti, Jasco, Lubi, U-neel
	C)	D-watering pump sets	Kirloskar, KSB, SU, Calama, Atlanta, Waterman, Laxmi, PEW, Darling, Agasti, C.R.I., Crompton Greaves, Perfect, Lubi
27.		Diesel engine driven pump sets.	Kirloskar, Laxmi, Birla, Yamaha, Honda.

28.		Electrically driven pump set coupled type, mono block, self priming, jet pumps.	Kirloskar, Crompton, Jyoti, KSB, Mather & Platt, Bharat Bijlee, Voltas, Beacon, Laxmi, PEW, JMP, Battliboi, C.R.I., Agasti, Lubi
29.		Electric motors.	Kirloskar, Siemens, Bharat Bijlee, Crompton, Jyoti, Brown Boveri, Battliboi, GEC-Alstom, Laxmi, PEW.
30.		Air breaks starters for motors.	Siemens, L&T, Crompton Greaves, Cutler Hammer, BCH.
31.		Terminal block.	Elmex, Everest, Jyoti, Gaztek, Connectwell.
32.		Meters: Ammeter & Voltmeter (Analog).	Automatic Electric, Simpson Udey, Meco, Indian Meters, Kusum-Meco, HPL.
33.		Energy meters.	Automatic Electric, Meco, Indian Meters, Havell's, HPL, Bentec
34.		Water level control equipment.	S.B.Electricals, Su-Bhaskar, Minilec, Accent, AGMA22, RDS.
35.		Emergency lights.	Prolite, Profile, Rider, Tekno-Vision, Kheraj, BPL, Glolite.
36.		Plumbing accessories.	
37.	A)	G.I.Pipes.	Zenith, Tata, Jindal, Lloyd, Bhushan Steel, Siddharth, Ambika, Indian tube, Surya, Georg Fischer
	B)	G.I.Bends.	Tata, Goel, Bhushan Steel, Georg Fischer
	C)	C.I.Pipes.	ISI Approved Brand, Georg Fischer
	D)	(a) Gate valve (gun metal).	Leader, Sant, New, ORBINOX, Georg Fischer, OR any ISI Marked Valve.
		(b) NRVs (gun metal).	Leader, Sant, ORBINOX, Georg Fischer OR any ISI Marked Valve.
		(c) Spring loaded gun metal foot valve.	Swati, DRP, ORBINOX, Georg Fischer OR any ISI Marked Valve,
		(d) Pressure Guages	Guru, Georg Fischer or equivalent approved by relevant standards,
		Wafer type butterfly / check valves.	Crowly & Ray, L&K, Univas, Advance, ORBINOX.
38.		C.I.Pipe socket.	Indian Iron & Steel Company, Tisco, Georg Fischer
		C.I.NRVS.	Ujjain Pipe, Jamshedpur, Georg Fischer or equivalent approved by relevant standards,
		C.I. Foot valve.	Bhadravati, Kirloskar, IVC, Georg Fischer
		C.I.Sluice valve.	Swati, Mayur, Georg Fischer
39.		Spray painting of C / Fans OR any equipment.	Asian Paints 'Apolite' Brand, Nerolac, Berger.
40.		Highmast	Bajaj, Valmont, Skipper, Transrail

41.	Bearings.	SKF, TATA, NBC.
42.	Electronic Ballast	Philips, Asian, Ecolumen, Kalki, Eata, HPL, Intelux
43	Fan's Electronic Regulator	Vinay, Anchor, Rider, Kalki, Cona, Bajaj, GM, Precision, PRESS FIT, HPL
44	Fluorescent Tube 28 W – T 5, (4Ft) or (3Ft) or (2Ft)	Philips, Asian, GE, OSRAM, HPL, Bajaj, Halonix
45	DWC HDPE – double wall corrugated pipes	REX, Gemini, Georg Fischer or equivalent approved by relevant standards,
46	Cable Trays and its accessories.	Asian Ancillary Corporation, Legrand, universal, Indiana
47	Window Model Air Conditioner labeled by BEE.	Blue star , Voltas, Videocon, LG, Carrier, Godrej, Daikin, CYGNUS.
48	Split type Air Conditioner 2 star & above labeled by BEE.	Blue star, Voltas, Videocon, LG, Carrier, Godrej, Daikin.
50	Solar Street light	Hykon, Kwality, Halonix, Reliance, Jain Irrigation, Waree, BM Sunpower
51	Solar Water Heaters	Hykon, Kwality, Halonix, Neutech, Solar products co., Jain Irrigation

52	Recommended approved makes for items not covered under FME schedule Items'.	<p>i)'Centrifugal &amp; Screw Chillers' of M/s Kirloskar Chillers Pvt.Ltd.,</p> <p>ii)'DMSGI' brand "Terec+ Earthing Backfill compound and ESE Lightning Protection System' of M/s SGI Engineers Pvt. Ltd.</p> <p>iii)'Meters, PLCs, Temperature Controllers, Timers, Counters, Process Indicators, Protection relays' of M/s Selec Controls Pvt.Ltd.</p> <p>iv)'Programmable Logic Controller(PLC), power saving controllers, digital meters, Controller panel, Biometric System(BMS), Microprocessor based control system for Factory Automation &amp; Process Control.' of M/s Softhard Automation Pvt.Ltd.</p> <p>v) 'UES' brand Earthing Electrodes &amp; Earthing Systems of M/s Universal Earthing System Pvt. Ltd.</p> <p>vi) Metal GI plain / perforated ceiling panels and Aluminium plain / perforated ceiling panels of M/s Shringar Industries</p> <p>vii) Double skin &amp; Single skin floor mounted ceiling suspended AHU, Ductable units, Heat recovery units, Ventilation Supply &amp; Exhaust Air units, Pre(Factory) fabricated regular GI/Al/SS ductings, Pre insulated Ductings, Pre insulated Pipes, GI/Al Volume control Dampers, FCU of M/s Zeco Aircon Ltd.</p> <p>viii) 'Isolation Transformers, online insulation fault locaiion system' of M/s Bender India Pvt.Ltd.</p> <p>ix) Air Handling Unit, Fan coil unit, Blowers, Cooling and Heating Coils, IR Ducts of M/s Moosa Haji Patrawala Pvt.Ltd.</p> <p>x) 'Waree' brand Solar Lantern, Solar Home Lightning system, Roof top solar power plant, water pumping system, Solar Garden lights of M/s Waree Energies Ltd.</p> <p>xi) Fire Alarm System by M/s. Ravel Electronics Pvt. Ltd.</p> <p>xii) Distribution Transformer by M/s Telawne Power Equipments Pvt Ltd</p> <p>xiii)GRP lighting pole by M/s Sumip composites Pvt.Ltd</p>
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## **BRIHANMUMBAI MUNICIPAL CORPORATION**

**No. Ch.E./BM/0889/II Date 11.07.2024**

**Sub.:-** List of Approved Building Materials updated up to 30.06.2024.

Following brands of building materials have been approved by Ch.E.(B.M.)/Director (E. S.& P.). The brands of the building materials approved and mentioned in the list with the validity given below shall be used. For the materials other than mentioned in the list brands, only ISI marks materials shall be allowed to be used with prior written permission of the engineer, for individual work. The contractors shall distinctly understand that it will not be their prerogative to insist for use of particular make/brand from following list and final selection will have to be done with approval of engineer. The following list of approved building materials may vary and some new category/brand may be added or existing ones may be deleted. The contractor shall use the brand as directed by the engineer.

<b>Sr. No</b>	<b>Category</b>	<b>Product</b>	<b>Brand Name if any</b>	<b>Manufacturer's Name &amp; Correspondence address</b>	<b>Contact Details</b>	<b>Validity</b>
1.	CEMENT	OPC 53 & PPC	SHREE CEMENT - ROOFON & JUNGROD HAK	M/s. Shree Cement Ltd, One BKC Building, 1110 A, 11TH Floor, C Wing, Plot no. C-66, G Block, Bandra Kurla Complex, Bandra (East), Mumbai- 400 051	Mob.:- 98196234 90	22.03.2025
2.		OPC 53 & PPC	Coromond el & CSK	M/s. The India Cement Ltd, 102, 1 <sup>ST</sup> Floor, Swastik Chambers, Sion-Trombay Road, Chembur (E), Mumbai - 400071.	Mob:- 96899127 05	27.04.2026
3.		OPC 53, PPC & Composite Cement	JK LAKSHMI	M/s. JK Lakshmi Cement Ltd., 9, Kasturi Building, 3 <sup>RD</sup> Floor, J Tata Road, Mumbai - 400020	Mob.:- 97681092 06	01.05.2026
4.		OPC 53, PPC	CHETTINA D	M/s. Chettinad Cement Corporation Pvt. Ltd. Office No. 303, 4 <sup>TH</sup> Floor, Abhijeet Court, "A" Wing, Bhandarkar Road, Shivaji Nagar, Pune - 411004	Mob.:- 93241111 22	14.05.2027
5.	GGBS	Ultrafine Ground Granulated Blast Furnace Slag	TOSHALI NANOFINE	M/s. Toshali Cements Pvt. Ltd., 6TH Floor, South Wing, Rajapraasadamu, Plot no. 6, 6A, 6B, Botanical Garden Road, Masjid Banda, Kondapur, Hyderabad - 500084	Mob.:- 98663174 52	07.04.2027
6.	White Cement	White Cement, Putty & Others	J K MAXX	M/s. J. K. White Cement Works 4TH Floor, Krsna Chambers, Plot no. 11, Galaxy Garden, North Main Road, Koragaon Park, Pune-411001	Mob.:- 85303328 82	22.03.2025
7.	Reinforcem	TMT bars of	SUN TMX	M/s. Jaideep Metallics &	(022)-	08.12.2026

	ent Bars	Grade (Fe415, to Fe550D) (8mm to 32mm)	QST & MORIYA	Alloys Pvt. Ltd., Gut No. 73, 74, 76, 78, 79, 80, 179, 180, Village Lakhmapur, Bhiwandi Wada Road, Taluka Wada, Thane-421303.	42032003 FAX-(022)-42032020	
8.		CRS Grade bars (Fe 500 & Fe 500D) (8mm to 32mm)	GUARDIAN	M/s. Guardian Castings Pvt. Ltd. 415, Mahinder Chambers, W.T. Patil Marg, Opp. Dukes Factory, Chembur, Mumbai-400071	(022)-67975145 / 5146	29.09.2025
9.		TMT bars of Grade (Fe 500, Fe 500D, Fe 550D & CRS) (8mm to 32mm)	BHAGWATI	M/s. Bhagwati Steel Cast Pvt. Ltd., D-101, MIDC, Malegaon, Sinner, Dist-Nashik-422113, Maharashtra	022-40354444 Fax-40350432	14.10.2025
10.		TMT bars of Grade Fe 500, Fe 500D, Fe550, Fe 550D & Fe 600 (8mm to 32mm)	BHAGWATI	M/s. Bhagwati Ferro Metal Pvt. Ltd., A 601, Western Edge, Kanakia Spaces, Opp. Magathane, Bus Depot, Western Express Highway, Borivali (E), Mumbai - 400066	Mob.:-9377482972	31.07.2025
11.		TMT bars of Grade (415 to Fe 550D) (8mm to 32mm)	THANE	M/s. Thane Steel Limited, 14, Steel Yard House, S.T. Road, Carnac Bunder, Mumbai - 400009	Mob.:-8356059949	22.08.2024
12.		TMT bars of Grade Fe (415 to Fe 500D) (8mm to 32mm)	METRO	M/s. Metro Ispat Pvt. Ltd., Potia Industrial Estate, 3 <sup>RD</sup> Floor, Darukhana, Reay Road, Mumbai - 400010	Mob.:-9819681961	03.12.2024
13.		TMT bars of Grade Fe500, Fe500D, Fe550 & Fe550D (8mm to 32mm)	KALIKA	M/s. Kalika Steel Alloys Pvt. Ltd., Office No. 412, Shreekant chambers Premises, Sion Trmobay Road, Chembur, Mumbai - 400071	Mob.:-9049997311	28.03.2025
14.		TMT bars of Grade Fe500, Fe500D, Fe550 & Fe550D (8mm to 32mm)	KHATU	M/s. Shri Khatu Shyam Alloys Pvt. Ltd., Survey no. 148/3, Near Parle Biscuit Company, Village-Kharadpada, Silvasa-396230	Mob.:-9930772570	16.06.2025
15.		TMT bars of Grade Fe500, Fe500D, Fe550 & Fe550D & CRS	SANGAM STEEL	M/s. SMW ISPAT Pvt. Ltd., C-2, MIDC, Deoli Growth Centre, Deoli, Dist. Wardha-442101. M.S.	Mob.:-9599767110	17.05.2026



	500 (8mm to 32mm)				
16.	TMT bars of Grade Fe500, Fe500D, Fe550 & Fe550D (8mm to 32mm)	SHIV TMX	M/s. Shivkrupa Steel & Alloys Pvt. Ltd., Unit No. E-412, 4TH Floor, L & T Seawood, Grand Central, Tower-2, Plot no. R1, Sector 40, Seawood, Navi Mumbai-400706. M.S.	Mob.:- 98905019 58	30.05.2026
17.	Fe500 & Fe550 (8mm to 32mm)	SHIRDI TMT TMX	M/s. Arya Steel Rolling (India) Pvt. Ltd., Plot No. B-6, Five Star MIDC, Kagal, Dist. Kolhapur - 416236	Mob.:-	30.10.2026
18.	Fe500, Fe 500D, Fe550, Fe 550D (8mm to 32mm)	GSPL	M/s. Geetai Steels Pvt. Ltd., Plot No. F-21, F-22, Phase II, Addl. MIDC Area, Jalna-431203 (M.S.).	Mob.:- 91582992 87	05.11.2026
19.	Fe500, Fe 500D, Fe550, Fe 550D (8mm to 32mm)	GAJKESARI	M/s. Gajkesari Steels & Alloys Pvt. Ltd., Plot No. F-18/19, Phase II, Addl. MIDC Area, Jalna-431203 (M.S.)	Mob.:- 73910444 10	30.10.2026
20.	Fe500, Fe500D, Fe550, Fe550D & Fe600 (8mm to 25mm)	SD LION	M/s. Shree Ramdoot Rollers Pvt. Ltd., Govind Mahal, 3, Wood Street, 2 <sup>ND</sup> Floor, Kolkata, West Bengal - 700016	Mob.:- 81008917 12	27.11.2026
21.	Fe550, Fe550D & Fe550D CRS (8mm to 32mm)	RADHA TMT	M/s. Radha Smelters Pvt. Ltd., 4 <sup>TH</sup> Floor, Mahavir Radiance, Opp. Kavuri Hills, Water Tank, Piller no. 1708, Madhapur, Hyderabad - 500081, Telangana	Mob.:- 99635234 53	31.01.2027
22.	Fe500D, Fe550D, Fe 500D CRS (8mm to 32mm)	GK TMT	M/s. Real Ispat & Powers Ltd., Vrindavan, Near IDBI Bank, Civil Lines, Raipur - 492001, Chhatisgarh	Mob.:- 09229339 004	12.03.2027
23.	Fe500, Fe500D, Fe550, Fe550D & CRS Fe500D, Fe550D (8mm to 32mm)	GALLANT	M/s. Gallant Ispat Limited, B1/501, & 502, Palladium Corporate Road, B/H Divya Bhaskar, Makarba, Ahemedabad - 380015, Gujrat	Mob.:- 08980199 966	21.05.2027
24.	Non Corrosive SS Rebar of grade SSR 550 (8mm to 32mm)	SUNFLAG	M/s. Sunflag Iron & Steel Co. Ltd. 33, Mount Road, Sadar, Nagpur - 440001 (India)	Mob.:- 93253602 01/ 93232214 81	31.10.2024

25.		Non Corrosive SS Rebar of grade SSR 550 (8mm to 32mm)	SEL TIGER	M/s. Shyam Sel & Power Ltd. S S Chambers, 5, C.R. Avenue, Kolkata - 700072, West Bengal	Mob.:- 77770259 85	15.01.2027
26.	Reinforcement Bars & Reinforcement Protection coating	TMT & FBE Coated (Fe 500 to Fe550D) (8mm to 32mm), FBE Coating to TMT Bars	HARIOM/ EPOXYSHI ELD	M/s. Hariom Ingots & Power Pvt. Ltd., Plot 59-60, Light Industrial Area, Bhilai, Chhattisgarh-490 026.	Mob.:- 78840553 00	15.05.2026
27.		TMT (Fe415 to Fe550D), FBE Coated bars (Fe500 to Fe600) (8mm to 32mm) & FBE Coating to TMT bars	CAPTAIN	M/s. Captain Steel India Limited, 10A, Shakespeare Court, 21A, Shakespeare Sarani, Kolkata-700017	(033)- 40112525 / Mob.:- 88731250 00	23.03.2025
28.		Fusion Bonded Epoxy Coating to TMT Bars		M/s. Eurocoustic Products Ltd. FBEC Divn, Survey no. 22/2, 27/2, 112/2, 28/3, Village kone, Tal-Wada, Palghar, M.S.	Mob.:- 77108385 65	02.07.2026
29.	Reinforcement Protection coating	Fusion Bonded Epoxy Coating to TMT Bars		M/s. Ayush Rebar Coating, LS No. 2088, Near Damanganga Paper Mill, Ta-Kaparada, Ambheti, Valsad, Gujrat - 396191	Mob.:- 83290929 69	30.01.2026
30.		Fusion Bonded Epoxy Coating to TMT Bars		M/s. Hariom Coating Private Limited Plot no. 210 & 211, Village-Gaurapur, Tq- Wada, Palghar - 421312	Mob.:- 74001923 21	15.01.2027
31.		Rebar Couplers	16mm to 40mm Dia.	VRUDDHI	M/s. Vruddhi Engineering Works Limited, 602/603 Cello Plaza, VP Road, Vile Parle (W), Mumbai	Mob.:- 98206665 39
32.	Structural Steel	Long Steel, Flat Steel, Structural sections	RKB	M/s. RKB Global Ltd., 1 <sup>ST</sup> Floor, Sugar House, 93/95 Kazi Sayyed Street, Masjid Station, Mumbai-400003	Mob.:- 87675362 51	03.01.2026
33.	Structural Steel	Structural Hollow Section & Roofing Sheet	APL APOLLO	M/s. APL Apollo Tubes Limited 36, Kaushambhi, Near Anand Vihar Terminal, Delhi (NCR) - 201010. Ph.:- 09923041585	Mob.:- 99230415 85	23.06.2027
34.	Tiles	Ceramic & Vitrified Tiles (IS 15622:2006)	AMBANI	M/s. Ambani Vitrified Pvt. Ltd., Survey No.143 P1/P1, Morbi Charadva Road, Unchi Mandal, Morbi, Gujrat-363641.	Mob.:- 87794155 04/ 90821215 50	06.01.2026

35.	Ceramic & Vitrified Tiles IS 15622:2006	CREANZA	M/s. Commander Vitrified Pvt. Ltd., 8-A NH, B/H Landgrace Ceramic, At. Sartanpar, Ta. Wankaner, Morbi, Gujrat-363621	Mob.:- 93208125 11	19.06.2027
36.	Ceramic & Vitrified Tiles (IS 15622:2006)	“VARMOR A”	M/s. Varmora Granito Pvt. Ltd., A-54, 1 <sup>st</sup> Floor, Elite Auto House, Mathuradas VasANJI Road, Andheri-Kurla Road, Andheri (East), Mumbai -	(022)- 28389790 /91/92	27.03.2027
37.	Ceramic & Vitrified Tiles IS 15622:2006	PRIYAM GRANTILE	M/s. Solvish Ceramic LLP Survey No. 106/2, Matel Road, Nr. Classy sanitaryware, Wankaner, Morbi, (Gujrat)- 363622	Mob.:- 93242325 44/ 98338778 21	25.10.2024
38.	Ceramic & Vitrified Tiles IS 15622:2006	SOMANY	M/s. Somany Ceramics Limited, 401 to 408, Bonanza building, Sahar Plaza, Next to Kohinoor hotel, Andheri-Kurla Road, Andheri (East), Mumbai- 400 059	Mob.:- 75064086 96 / (022)- 40398300	27.02.2025
39.	Ceramic & Vitrified Tiles IS 15622:2006	AGL	M/s. Asian Granito India Ltd., 202, Dev arc, Opp. Iskon temple, S. G. Highway, Ahmadabad - 380 015	(079)- 66125500 /698	07.04.2025
40.	Ceramic & Vitrified Tiles IS 15622:2006	OASIS	M/s. Oasis Vitrified Pvt. Ltd. 8-A, National Highway, Kandla Road, Morbi-363642, Gujrat.	Mob.:- 86008696 65/79772 11718	29.09.2025
41.	Ceramic & Vitrified Tiles IS 15622:2006	SUNHEAR RT CERAMIC	M/s. Sunshine Tiles Co. Pvt. Ltd. 101-103, First Floor, Titanium One, Nr. akwan Cross Road, S.G. Highway, Ahmedabad-380054. India	Mob.:- 93211513 14	13.02.2026
42.	Ceramic & Vitrified Tiles IS 15622:2006	KAJARIA/ KEROGRÉS	M/s. Kajaria Ceramics Limited, B1 - 307, Boomerang, Chandivali Farm Road, Off Saki Vihar Road, Andheri (East), Mumbai - 400072	Mob.:- 99877539 58	27.04.2026
43.	Ceramic & Vitrified Tiles IS 15622:2006	VITERO	M/s. Aparna Enterprises Ltd., 8-2-293/82/A, Plot no. 1214, Road no. 60, Jubilee Hills, Hyderabad, Telangana-500033	Mob.:- 99673790 60	29.10.2026
44.	Water Closet /Basin/Urinal Cistern (IS 2556:2004)	PRIYAM GRANTILE	M/s. Solvish Ceramic LLP Survey No. 106/2, Matel Road, Nr. Classy sanitaryware, Wankaner, Morbi, (Gujrat)- 363622	Mob.:- 93242325 44/ 98338778 21	25.10.2024

45.	Cast Iron Pipes & Fittings	CI Pipes (IS 3989:2009)	RPMF	M/s. Raj Pattern Makers & Founders Pvt. Ltd. Nagla Kishan Lal, Hathras Road, Agra, Uttarpradesh - 282006	Mob.: -9760283296	20.03.2025
46.		CI Pipes (IS 3989:2009)	NFL	M/s. Nagpur Foundries Limited, N-72, MIDC, Hingana Road, Nagpur - 440 016	Mob.: -9869085007	07.05.2026
47.		NP2 & NP3 class (150 mm - 1800 mm)	PAWAN	M/s. Pawan Concrete, Room No. 4, Obhan Niwas, Near Nav Bharat School, N. S. Road, Mulund (West), Mumbai - 400 080	Mob.- 7738545829/ 9820255507	20.06.2025
48.		NP3 & NP4 class (300 mm - 1800 mm)	SPPPL	M/s. Siddhivinayak Precast Pipes Pvt. Ltd, Arihant heights, Plot 76, Sec-25, Near Gyan Prabhodhini School, Pradhikaran, Nigadi, Pune - 411 044.	(020)- 27651888	22.03.2025
49.		NP2 (700-1800 mm), NP3 (300- 2400 mm), NP4 (300-2000 mm) & Jacking Pipes (600-1200 mm)	GAMBHIR	M/s. Gambhir Concrete Products, B-301, Atelier, Rustomjee Urbania, Majiwada, Thane-400601	Mob.: -9004267420	13.02.2026
50.		NP2 (150 - 1200 mm), NP3 & NP4 (250 - 1800 mm)	UNICEM	M/s Unicem vibro cast pipe Industries 16,4th floor,Highway Tower, Pune-Mumbai Road, Chindawad Pune-411019	Mob.: -9922999323	01.05.2026
51.	Glazed Stoneware Pipes	100mm - 300mm	KRISHNA	M/s. Krishna Industries At. Kotadi (Khanusa), Ta, Vijapur, Dist. Mehasana, Gujrat 382870	Mob.: -9869085007	07.05.2026
52.	PVC Pipes & Fittings	(i) CPVC pipes and CPVC fitting (ii) UPVC SWR Pipes & Fittings (iii) Potables water supply Pipes (iv) uPVC pipes	TRUFLO BY HINDWAR E	M/s. HSIL Limited, Unit 501 & 504, Block-A, "The Platina", Survey No. 136, Gachibowli-Miyapur Road, Gachibowli, Hyderabad, Telangana- 500032	(040)- 66288000 Mob.: -9898348983	26.03.2025
53.		(i) Low Noise SWR Pipes (ii) Underground Drainage Pipes (iii) PE Inspection chambers (iv) Conduit Pipes	SILENCIO / DRAINPRO FOAMCOR E DRAINHUL K WIREGUARD	M/s. Astral Poly Technik Limited, 207/1, Astral House, B/h Rajpath Club, Off. S. G. Highway, Ahmedabad-380059	(022)- 28389744 /55	01.08.2024

54.		i) SWR Pipes ii)UPVC injection moldings fittings iii)CPVC pipes and CPVC fitting iv) UPVC Pipes v) Underground Drainage Pipes vi) UPVC Pipe for potable water	ULTRAFIT FLOWGUA RD PLUS AQUAFIT FOAMFIT	M/s. Prince pipes & Fittings Pvt. Ltd, The Ruby, 8 <sup>th</sup> floor, 29, Senapati Bapat Marg, (Tulsi pipe road), Dadar (W), Mumbai- 400 028	(022)- 66022222  Fax-(022)- 6602 2220	04.04.2025
55.		i) UPVC SWR Pipes & fittings ii)CPVC pipes and CPVC fitting iv) UPVC Pipes v) UPVC Pipe for potable water	PARAS	M/s. Bothara Agro Equipments Pvt. Ltd. Bothara Compound, Industrial Estate, Nagar-Pune Road, Ahemednagar-414006	Mob:- 86008696 65	24.08.2025
56.		i) UPVC SWR Pipes IS & fittings ii)CPVC pipes and CPVC fitting iv) UPVC Pipes & Fittings	FLOWKEM	M/s. Flowkem Poly Plast Pvt. Ltd. 5, Shukun Hebitet, 3 <sup>rd</sup> Floor, Prerna Park Soc. Nr. L. G. Corner, Ramji Mandir Road, Maninagar, Ahemedabad-380008	Mob:- 99873750 72	13.11.2025
57.		(i) CPVC pipes and CPVC fitting (ii) UPVC SWR Pipes & Fittings (iii) uPVC Potables water supply Pipes (iv) uPVC pipes ASTM Grade v) Underground Drainage Pipes		M/s. Kothari Agritech Pvt. Ltd, 8516/11, Level 3, Sun Plaza, Subhash Chowk, Muraji Peth, Solapur-413001. (M.S.).	Mob:- 90044041 12	22.11.2026
58.	Polypropylene Pipes	PPR Pipes	GREENFIT	M/s. Prince pipes & Fittings Pvt. Ltd, The Ruby, 8 <sup>th</sup> floor, 29, Senapati Bapat Marg, (Tulsi pipe road), Dadar (W), Mumbai- 400 028	(022)- 66022222  Fax-(022)- 6602 2220	04.04.2025
59.	High Density Polyethylene Pipes	DWC Pipes	CORFIT	M/s. Prince pipes & Fittings Pvt. Ltd, The Ruby, 8 <sup>th</sup> floor, 29, Senapati Bapat Marg, (Tulsi pipe road), Dadar (W), Mumbai- 400 028	(022)- 66022222  Fax-(022)- 6602 2220	04.04.2025
60.		DWC Pipes	ALCORR	M/s. Alom Poly Extrusions	Mob:-	01.01.2027

				Limited, Alom House 7B, Pretoria street, Kolkata – 700071, West Bengal	93245822 31	
61.		HDPE/PE/ PVC O/DWC	DELTA	M/s. Delta Irrigation LLP Plot F ½, Opp Kirloskar Oil Engines, Kagal Five Star MIDC, Kagal, Kolhapur – 416236. M.S.	Mob.:- 77700052 57	30.01.2026
62.		DWC for Sewerage & underground cable, HDPE ducts	GEMINI	M/s. Tirupati Plastomatics Pvt. Ltd. B-141-1, Road no. 9-D, V.K.I. Area, Jaipur-302013, Rajasthan	Mob.:- 98202969 72	10.05.2026
63.		HDPE Pipes & Fittings (4984:2016) (20mm to 315mm)		M/s. Kothari Agritech Pvt. Ltd, 8516/11, Level 3, Sun Plaza, Subhash Chowk, Muraji Peth, Solapur-413001. (M.S.).	Mob:- 90044041 12	22.11.2026
64.	Polyethylene tank	Water Storage Tank	STOREFIT	M/s. Prince pipes & Fittings Pvt. Ltd, The Ruby, 8 <sup>th</sup> floor, 29, Senapati Bapat Marg, (Tulsi pipe road), Dadar (W), Mumbai- 400 028	(022)- 66022222  Fax-(022)- 6602 2220	04.04.2025
65.	Single Stack System	HDPE Single stack system	GEBERIT	Geberit Plumbing Technology India Pvt. Ltd. 305, B-Wing, Dynatsy Bussiness park, Andheri Kurla Road, Andheri (E) Mumbai 400059.	(080) – 23376127 /2357061 2	21.08.2025
66.		Construction Chemicals	---	M/s. Rheoplast Technology Pvt. Ltd., 711, A Wing, Mainframe-1, Royal Palm, 169 Aarey Colony. Goregaon (E), Mumbai-400065	Mob.:- 80804440 30	10.10.2024
67.		Construction Chemicals	---	M/s. Fosroc Chemicals (India) Pvt. Ltd., Embassy Point, No. 150, 2ND Floor, Infantry Road, Bengaluru – 560001	Mob.:- 84339734 13	27.02.2025
68.		Construction Chemicals	---	M/s Krishna Conchem Product Ltd. Unit-2,Bldg.6,Sect.3, Millennium Business Park, Mahape, Navi Mumbai- 400710	(022)- 32986329 / 09324924 398	21.09.2024
69.		Construction Chemicals	MCON	M/s. MCON RASAYAN PVT. LTD. Gala No. 6, Bardanwala Estate, Bandiwali Hill road, Jogeshwari (W), Mumbai- 400102	(022)- 26790031	10.02.2025
70.		Construction Chemicals	---	M/s. Zydex Industries Private Limited, Zydex House, 61, Gotri- Sevasi Road, Gotri, Vadodara -390021, Gujrat	(0265)- 3312 0000 Mob.:- 98194 12355	24.01.2026

71.	Construction Chemicals	MYK	M/s. MYK Arment Pvt. Ltd. 8-2-703/A, 3 <sup>rd</sup> Floor, Leela Gopal Towers, Raod no. 12, Banjara Hills, Hyderabad-500034	Mob.:- 9100846678	15.09.2025
72.	Construction Chemicals (Admixtures)	SUNLIGHT	M/s. Sunlight Corporation, Shed No. C-1-2605/1, Phase III, GIDC, Vapi – 396195	Mob.:- 7208922332	15.02.2026
73.	Construction Chemicals	---	M/s. Clean Coats Pvt. Ltd. K30/1, Additional Ambernath Ind. Area, MIDC, Anand Nagar, Ambernath (E), Thane – 421506, M.S.	Mob.:- 8657545986	29.06.2026
74.	Construction Chemicals	---	M/s. Concrete Additives & Chemicals Pvt. Ltd., Plot No. W/11, TTC Industrial Area, MIDC Pawane, Navi Mumbai-400705	Mob.:- 7718888604	05.07.2026
75.	Construction Chemicals	---	M/s. Xchem Polymers India Pvt. Ltd., Plot No. 10, Survey No. 333, Balda Industrial park, GIDC Pardi, Valsad, Gujrat-396125	Mob.:- 9867288938	22.08.2026
76.	Construction Chemicals (Admixtures)	ULTRAFLOW	M/s. Associated Chemicals, A/103, Gurudev Apts, Opp. Telephone Exchange, Chembur Naka, R.C. Marg, Mumbai - 400071	Mob.:- 9870413662	12.10.2026
77.	Construction Chemicals (Admixtures)	---	M/s. Zarc India, Gala No. P-27, Balaji Industrial Park, Survey no. 119/1, 119/2, 120/2, 120/3, Tondre, Behind Hindalco, Taloja MIDC, Panvel – 410208, Raigad	Mob.:- 9870413662	30.12.2026
78.	Construction Chemicals	---	M/s. Redwop Chemiclax Pvt. Ltd., 2ND Floor, Pearl Plaza, Beside G. T. Seth School, 150ft Ring Road, Rajkot, Gujrat - 360005	Mob.:- 9702249188	30.12.2026
79.	Construction Chemicals (Admixtures)	---	M/s. Highway on Wheels Transport Pvt. Ltd., B-715, 7TH Floor, Kanara Business Centre, Andheri Link Road, Laxmi Nagar, Ghatkopar (East), Mumbai – 400075	Mob.:- 9307624792	15.01.2027
80.	Construction Chemicals (Admixtures)	---	M/s. ND Polymer India, 303, Parmpara 'B' Cosmos Heritage, Opp. Happy Valley, Manpada, Thane (W) - 400610	Mob.:- 9821518370	12.03.2027
81.	Construction Chemicals	---	M/s. Supreme Bituchem India Pvt. Ltd., Supreme Forest Avenue Tower, 6TH Floor, Katol	Mob.:- 9324542120	26.02.2027

			Road, Nagpur - 440013		
82.	Construction Chemicals	ASIAN	M/s. Asian Paints Limited, Asian Paints House, 6A, Shanti Nagar Santacruz (E), Mumbai- 400055	Mob.:- 70452689 19	22.02.2027
83.	Construction Chemicals	“CHRYSO”	M/s. CHRYSO India Private Limited Plot No. D-30/7, TTC Industrial Area, MIDC Turbhe, Navi Mumbai- 400705	Mob.:- 95949488 58	07.02.2027
84.	Construction Chemicals	“HIND”	M/s. Hindcon Chemicals Limited 62B, Braunfeld Row, Vashudha, Kolkata- 700027	(033)- 24490835 /39	08.01.2027
85.	Construction Chemicals	SHREE PRIMIX	M/s. Shree Premix Industries, 104, Corporate Avenue, Near Udyog Bhavan, Sonawala Lane, Goregaon (East), Mumbai- 400063	(022)- 26853022 / 98215418 67/ 70459509 21	14.05.2027
86.	AAC Block & Block Jointing Mortar	BIGBLOC	M/s. Bigbloc Construction Limited, 202, 2 <sup>ND</sup> Floor, A Wing, Corporate Avenue, Sonawala Road, Goregaon (East), Mumbai - 400063	Mob.:- 97732039 79	30.01.2026
87.	AAC Block & Block Jointing Mortar	EMPEROS	M/s. Emperos, Survey No. 22/3, Devli Village, Near Padgha, Bhiwandi, Thane - 421101	Mob.:- 98191766 08	27.04.2026
88.	AAC Block & Block Jointing Mortar	GRUNTEC	M/s. Constro Solution Limited, 1/31, Teachers Colony, Bandra (East), Mumbai - 400051	Mob.:- 95997671 10	08.05.2026
89.	AAC Block & Mortars	AAC Block & Block Jointing Mortar	M/s. Globcon Industries Pvt. Ltd., Block no 273, Pipodara-Kanyasi Road N.H. no. 8, Surat - 394110, Gujrat.	Mob.:- 98926663 04	23.02.2027
90.	Ready Mix Mortar & Block Jointing Mortar	KANERIA	M/s. Kaneria Plast Pvt. Ltd. 6TH Floor, Rohan Arcade, Off W.E.Highway, Dattani Park, Thakur Village, Kandivali (E), Mumbai- 400101	Mob.:- 82918924 01/ 82918924 14	25.10.2024
91.	AAC Block & Precast Panel	ECOLITE/ AERAFOR M	M/s. JVS Comatsco Industries Pvt. Ltd. 39/D, Gultekadi, Jawaharlal Nehru Road, Pune - 411037	Mob.:- 70110507 07	08.01.2027
92.	AAC Block	BIRLA AEROCON	M/s. HIL Limited, 901, 9TH Floor, Bhimiraj Costarica, Plot no. 1 & 2, Sector -18, Palm Beach Road, Sanpada, Navi Mumbai-400705.	Mob.:- 86000040 36	19.06.2027
93.	External	--	M/s. Dooall Corpro India Pvt.	Mob.:-	22.08.2024



		Paints		Ltd. 315, Bhaveshwar Arcade Annexe, LBS Road, Ghatkopar (West)-400086	98208744 10	
94.		External and Internal Paints	--	M/s. Excel India Protective Paints Pvt. Ltd. A-33 & 34, MIDC Kulgaon, Badlapur, Thane-421503	Mob.: -98922270 39 (0251)- 2695520	20.10.2024
95.		External and Internal Paints	MCON	M/s. MCON RASAYAN PVT. LTD. Gala No. 6, Bardanwala Estate, Bandiwali Hill road, Jogeshwari (W), Mumbai- 400102	(022)- 26790031	31.07.2025
96.		External and Internal Paints	--	M/s. Zydex Industries Private Limited, Zydex House, 61, Gotri- Sevasi Road, Gotri, Vadodara -390021, Gujrat	(0265)- 3312 0000 Mob.: -98194123 55	25.12.2025
97.		External and Internal Paints	ASIAN	M/s. Asian Paints Limited, Asian Paints House, 6A, Shanti Nagar Santacruz (E), Mumbai- 400055	Mob.: -99099746 11	22.02.2027
98.	SFRC Cover with Frames	Manhole cover with frames and Grating with Frames	VIKRANT	M/s. Vikrant Reinforced Products Pipewala Compound, Opp Unionbank, Near Chembur Police station, Chembur, Mumbai- 400074	Mob.: -98692508 44	06.09.2024
99.		Manhole cover with frames and Grating with Frames	MTC	M/s. Majisa Trading Company, 403, Soham May Flower CHS Ltd, Mira-Bhayander Road, Mira Road (East), Mumbai - 401107. M. S.	Mob.: -98929222 58	10.01.2026
100.	Ductile iron & Cast iron Covers with Frames	DI Manhole covers with Frame and Gratings	PLASMA	M/s Plasma Alloys Pvt. Ltd. Survey No.196, N.H.27, Gondal Road Veraval (Shapar) Dist-Rajkot-360 024	(02827)- 253766 Fax- (02827)- 253966	29.11.2024
101.		DI Manhole covers with Frame and Gratings	NEXUS	M/s. Nexus Cast S. R. No. 128, Plot 1, Gaurav Industrial area, Opp. 132 KV Substation, Nr. Sardar Chowk, Rajkot - 360024	Mob.: -70211409 73	01.11.2024
102.		DI & CI Manhole covers with Frame and Gratings	RPMF	M/s. Raj Pattern Makers & Founders Pvt. Ltd. Nagla Kishan Lal, Hathras Road, Agra, Uttarpradesh - 282006	Mob.: -97602832 96	20.03.2025
103.		DI & CI Manhole covers with Frame and Gratings	NFL	M/s. Nagpur Foundries Limited, N-72, MIDC, Hingana Road, Nagpur - 440 016	Mob.: -98690850 07	07.05.2026
104.		DI Manhole covers with	GOLDSTA R	M/s. Gold Star Steels (P) Ltd. 53/A, Industrial Area,	Mob.: -98692508	21.05.2027

		Frame and Gratings		Bhanpuri, P.O. Birgaon, Raipur-493221,Chattisgarh	44	
105.	Door Shutter & Frame	FRP Door Shutter & Frame	PERMAFIN ISH	M/s. Advance FRP, 4, Avinash Bhuvan, Next to Gujarati School,Kankuwadi Dixit Cross Road no. 1, Vile Parle (E), Mumbai- 400057	(022)-26175636 / 26122376	07.10.2024
106.		Flush wooden Doors, Plywood, Block board,	REGENCY	M/s Regal Plywood Industries (P) Ltd. C/o, M/s. Regency Wood Panel Pvt. Ltd. 106, 1st Floor, Palm Beach Galleria, Plot no. 17, Sec-19D, Vashi, Navi Mumbai-400703.	Mob.:- 9820811175/ 9619361149	27.02.2025
107.	Furniture	Chair, Table & Cupboard	ADARSH	M/s. Adarsh Infrainterio Pvt. Ltd., Unit 104, Tradecorner premises, Sakinaka Junction, Sakivihar Road, Andheri (east), Mumbai-400072	Mob.:- 9702229852	24.08.2025
108.		Fire Door & Non Fire Door	HORMANN	M/s. Shakti Hormann Pvt. Ltd. H. No. 2-67/1, (Survey No. 188, 198). Gagillapur, Dundigal Municipality, Mandal, Dist-Medchal (Malkajiri), Telangana-500043	+(40)-27840394 /5	30.09.2024
109.	Fire Door & Non Fire Door	Wooden Fire Door & Non Fire Door	TUFWUD	M/s. Tufwud Doors and Accessories Private Limited, 111, Diamond Harbour Road, Kolkata – 700063	Mob.:- 8335060461	24.08.2025
110.		Wooden & Metallic Fire Door & Non Fire Door	ROYAL AIRCON	M/s. Royal Aircon Pvt. Ltd., 2/2, Jai Bhavani Marg, Near Ashapura Temple, Mulund Colony, Mulund (W), Mumbai – 400082. Maharashtra	Mob.:- 7977337115	08.11.2025
111.		Wooden & Metallic Fire Door & Non Fire Door	BHAWANI FIRE	M/s. Bhawani Fire Protection Pvt. Ltd., Plot No. 18, 1 <sup>ST</sup> Floor, above Central bank of India, Rajendra Nagar, Sahibabad, Ghaziabad- 201005	Mob.:- 9560818700	15.02.2026
112.	Acoustic & other	Non woven acoustic & others acoustic product	INDOSONIC	M/s. Indecor Slides (I) Pvt. Ltd., 404, Hill View Industrial Estate, Off L.B.S. Road, Amrut Nagar, Ghatkopar (West)- 400086	Mob.:- 9867862987	15.09.2025
113.		Non woven acoustic, Metals False ceiling & False ceiling grid	TECHNO	M/s. Techno Ceiling Products, 101, Shah Nahar Estate, Dr. E. Moses Road, Worli, Mumbai – 400 018	Mob.:- 9820081674	07.12.2025
114.	False Ceiling	Metals False ceiling & Aluminium Facade	HUNTER DOUGLAS	M/s. Hunter Douglas India Pvt. Ltd., 661-662, 6 <sup>Th</sup> Floor, Building No. 6, Solitaire Corporate	Mob.:- 7738152104/ 93271577	22.08.2026

				Park, Andheri-Ghatkopar Link Road, Chakala, Andheri (E), Mumbai - 400093	75	
115.		Metals False ceiling	MCRA	M/s. P. R. Ceiling products (MCRA), Office No. 511, Dimple Arcade, Behind Sai, Dham Temple, Thakur Complex, Kandivali (East), Mumbai - 400101.	Mob.:- 7905456035	08.02.2027
116.		Aluminium Composite Cladding (ACP)	SUPERBOND	M/s. Keybond Industries LLP, 17, Super House, Amar Brass Ind. Estate, CST Road, Santacruz (East), Mumbai-400092	(022)-66758380/8359	27.07.2024
117.		Aluminium Composite Cladding (ACP), High Pressure laminate (HPL) & Laminates	VIRGO	M/s. Virgo Laminates Limited, 406, 4 <sup>TH</sup> Floor, Rectangle No. 1, Behind Select City Mall, District Centre, Saket, New Delhi-110017	(011)-47422222 Mob.:- 9854799422	13.11.2025
118.		Aluminium Composite Cladding (ACP)	4Mann	M/s. 4Mann Industries Pvt. Ltd., 404/405, Ashok Premises, Old Nagardas Cross Road, Mogra Village, Opp. Saraswati Towers, Andheri (E), Mumbai 400069	Mob.:- 9930604940/ 7620188068	10.09.2026
119.		Precast RCC Drain, Box Culverts & Retaining wall	SPPPL	M/s. Siddhivinayak Precast Pipes Pvt. Ltd, Arihant heights, Plot 76, Sec-25, Near Gyan Prabhodhini School, Pradhikaran, Nigadi, Pune - 411 044.	(020)-27651888	22.03.2025
120.		Precast RCC U Drain, Box Culvert, Utility duct, Retaining wall, Recycled Solid Block	TUFF & GODREJ	M/s. Godrej & Boyce Mfg. Co. Ltd. Pirojshanagar, Vikhroli (W), Mumbai-400079	Mob.:- 9819102917	30.05.2027
121.		Precast concrete manhole frames and covers	---	M/s Sai Cement Products. 28, 1 <sup>ST</sup> Floor, Commercial, R-1 building, Jaihind CHS, behind Purnashanti Heights, Khartan Road, Thane (W)-421601	Mob.:- 9867621051	23.02.2027
122.	Non asbestos fibre cement Sheet	Non asbestos fibre cement Boards & Sandwich panel	E-Board & Rapicon	M/s. Everest Industries Limited S-14, Solitiare Corporate Park, 167-Guru Hargovindaji Marg, Chakala, Andheri (E), Mumbai - 400093	Mob.:- 9748779818	27.04.2026

123.	Glass	Float, Mirror,	GOLD PLUS	M/s. Gold Plus Glass Industry Limited, 4TH Floo, Kimgs Mall, Sector-10, Rohoni, New Delhi-110085	Mob.:- 9730041833	04.04.2025
124.		Float, Mirror, Fire rated glass	SCHOTT & FG	M/s. FG Glass Industries Pvt. Ltd., A-1204, Naman Midtown, Senapati Bapat Marg, Prabhadevi (W), Mumbai - 400013	Mob.:- 9321813481	19.06.2026
125.	Others	Gypsum plaster/bond/ Wall putty/ False ceiling/Partitio n sections	WIP	M/s. Western Infrabuild Products LLP A-592, TTC Industrial Area, MIDC Mahape, Navi Mumbai-400701	Mob.:- 7498196768	23.03.2025
126.	Others	Sustainable Agriboard	SAFBOARD	M/s. Agribiand Industries LLP 1001, Floor 10, Plot 52, Ramkrishna Sadan, Sir, Pochkhanwal Road, Worli, RTO Office, Mumbai - 400018	Mob.:- 8879054041	27.05.2027

**Note:** This list of approved building materials supersedes the earlier list of approved building materials. All the conditions mentioned in the letter of approval shall be scrupulously adhered to by the site engineering staff. In case of ISI marked brands, the latest valid BIS endorsement shall be insisted from the manufacturer. The valid list of approved Building Materials at the time of execution of works can be obtained from Dy. Ch. Eng. (B.M.) City's office OR BMC portal under tab- Services --> Citizen Charters --> Chief Eng Building Maintenance OR under tab 'About Us--> Wards/Departments -> Chief Eng Building Maintenance--> Docs.

**SD/-**  
**10.06.2024**  
**Dy. Ch. Eng. (B.M.) City**

# **SECTION –16 DRAWINGS**

**(Drawings attached separately in VOL -II)**

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# **SECTION -17 CIRCULARS**

**(All the prevailing circulars of BMC till date are applicable to this tender even if not mentioned herewith)**

**Some of the Circulars are attached herewith for ready reference**

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**MUNICIPAL CORPORATION OF GREATER MUMBAI** c/13

**Circular** No. D.M.C/S.W.M./67, D+4 E6 APR 2018

Hon. Supreme Court of India has passed orders in the Special Leave Petition (Civil) No. D 23708 / 2017 dated 15/03/2018. Accordingly MCGM shall permit a builder or developer to carry on Construction at their sites for deposition of C & D waste subject to following procedure. The approval to the C & D "Waste Management Plan" (WMP) for transportation of C & D waste to designated unloading sites shall be provided by applicant on line.

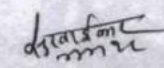
**A) For Existing designated unloading sites -**

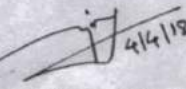
1. Consent Letter along with notarized documents from the land owner of the designated unloading site and mentioning Quantity of C & D Waste that can be accommodated along with time period.
2. Name, address, contact person of the transporting agency.

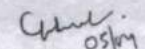
**B) For Approval of New C & D waste unloading sites -**

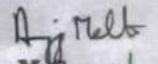
The builder/developer shall apply to Solid Waste Management Department with following details :-

1. The Owner/ POA shall submit an Application for the purpose of declaring the Site/Land as "Approved designated Unloading site" for unloading of C & D waste as per C & D Waste Management Rules, 2016.
2. The Application shall accompany with
  - (i) Property card and/ or 7/12 extract, Location Plan, Plot Boundary with Contour Map, Quantity of C & D waste which can be unloaded and Period.
  - (ii) Title Report from Advocate in practice having 5 years of experience, indicating the title of applicant.
3. The site will be inspected by Zonal E.E. (SWM) for its suitability for unloading of C & D waste within 15 days of application. If site is found to be acceptable, the Approval shall be granted to the new site as "designated unloading site" to receive C & D Waste. This site shall be made available for on line approval of C & D "Waste Management Plan".
4. The builder / developer shall pay Bank Guarantee online as per annexure-A based on the plot area of construction site.

  
Ch.E. (S.W.M.)

  
D.M.C. (S.W.M.)

  
A.M.C. (E.S.)

  
M.E. 5/4/17

# Municipal Corporation of Greater Mumbai

No. Dy.Ch.Eng./SWM/3957/Op. dt. 10/09/2018

**CIRCULAR** 289-2018

**Subject:** Implementation of the Construction and Demolition Waste Management Rules, 2016

**Reference:** i) Hon'ble Supreme Court's order in the Special Leave Petition (civil) No. D 23708/2017, dated 15/03/2018  
ii) Hon'ble M.C. Sir's Approval w/no. MGC/F/7076 dtd. 30.08.2018

The Construction and Demolition Waste Management Rules, 2016 is applicable to 'every waste resulting from construction, re-modeling, repair and demolition of any civil structure of individual or organisation or authority who generates construction and demolition waste such as building materials, debris, rubble'.

Hon'ble Supreme Court vide order dated 15/03/2018, has directed to dispose of construction and demolition waste material by following due procedure in accordance with the provisions of the Construction and Demolition Waste Management Rules, 2016".

In order to put curb on the un-authorisedly dumped waste, it is essential to control it by asking ward Maintenance department or any MCGM department to issue work-permission only after assessing the total estimated quantity of C&D waste likely to be generated out of the repairs / construction / trenching work or any such civil works, and asking them to make payment in advance or in stages of waste generation for the 'Debris on Call' system or transport C&D waste to designated unloading site.

Following standard operating procedure is proposed to be adopted:

- 1) MCGM department like A. E. (Maintenance), A. E. (B&F), H.E., S.O., S.P., M.S.D.P., W.S.P., S.W.D., S.W.M., C.E., B.C., B.M., Roads, Bridges, etc. carrying out civil work / repairs works etc. shall put condition in the tender / quotation / work order to dispose of C&D waste generated either by (i) 'Debris on Call' scheme if generation of C&D waste is less than 300MT for entire project or (ii) contractor shall transport to designated unloading site approved by MCGM S.W.M. department by following due procedure if C&D waste is more than 300MT for entire project.
- 2) The estimated quantity of the C&D waste generated shall be certified by A.E. (Maintenance) Ward or the concerned department.
- 3) If quantity of C&D waste is less than 300MT, A. E. (S.W.M.) Ward will issue Challan for making payment as per 'Debris on call' scheme on approval from Zonal Ex. Eng. (S.W.M.).
- 4) If quantity of C&D waste is more than 300MT, the contractor / agency will submit C&D waste management plan complete with requisite documents to Zonal Ex. Eng. (S.W.M.). On approval, the contractor / citizen / agency carrying out the civil works will be allowed to transport the C&D waste material to the designated unloading site.
- 5) The contractor / citizen / agency carrying out the civil works shall maintain & submit the appropriate record like date, quantity of C&D waste transported, vehicle No., Challan of Receipt of C&D waste from unloading site etc.
- 6) The whole system of issuing NOC for C&D waste transportation and payment will be made ONLINE and for this M/S. Softtech will be asked to develop appropriate software on the basis of existing norms being done for auto-DCR portal.
- 7) The proposals will be processed manually till the complete system fully operational online.
- 8) All the contractors / agencies using designated unloading site must maintain proper record of the C&D waste generated and transported along with date and vehicles through which C&D is transported & the copies of Challans from unloading site for having unloaded the C&D waste and submit the same to A.E. (S.W.M.) ward through concerned department.

Sd/-07/08/2018  
Ch. Eng. (S.W.M.)

Sd/-07/08/2018  
D.M.C. (S.W.M.)

Sd/-10/08/2018  
A.M.C.(E.S.)

Sd/-29/08/2018  
Municipal Commissioner

Ch Eng (SP) submitted, please.

  
23/9/18  
Dy. Ch. Eng. (S.W.M.)

D:\Online C&D Details\Unauthorised C&D waste.docx

**BRIHANMUMBAI MAHANAGARPALIKA**

**CIRCULAR**  
2020-21

No.CA(F)/Project/ 32 of 26.10.2020

**Sub : Bid Security or EMD**

**Ref : No.MDD/7878 of 27.09.2016**

The MCGM's tender conditions have been amended and Standard Bid Document has been circulated vide No.MDD/7878 of 27.09.2016.

The condition of refund of Bid Security or EMD incorporated in SBD, is as follows :-

- (i) The Bid Security of the successful bidder will be discharged when the bidder has signed the agreement and furnished the required Security Deposits.
- (ii) The Bid Security/EMD of L-3 and bidders shall be refunded immediately after opening of financial bid but **the EMD/ASD submitted by the L-2 bidder will be returned after obtaining Standing Committee Resolution.**

In recent past, due to COVID-19 pandemic, various benefits and relief are given to contractor for ease of doing business and to maintain their cash flow. Further, the Statutory Committee meetings are not held in this pandemic situation. Hence, the condition of refund of Bid Security/EMD and ASD is reviewed and revised condition for all invited tenders wherein Statutory Committee's sanction has not been accorded and forthcoming e-tenders –

- (a) The Bid Security/EMD of the successful bidder will be discharged when the bidder has signed the agreement and furnished the required Security Deposits.
- (b) The Bid Security/EMD and ASD of L-2 and other higher bidders (L-3, L-4, etc.) shall be refunded immediately after opening of financial bid.

(c) 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 and ASD to the department within the stipulated time period i.e. 15 days, the department will process further as per normal procedure.

The above revised directives shall come into effect immediately on issuance of this circular.

All Chief Engineers/Head of Departments/Deans shall note the above directives and follow them scrupulously.

Sd/-13.10.2020  
C.A.(W.S.S.D.)

Sd/-13.10.2020  
D.M.C.(Infra)

Sd/-16.10.2020  
A.M.C.(P)

Sd/-13.10.2020  
D.M.C.(E)

Sd/-13.10.2020  
C.A.(Finance)i.c

Sd/-13.10.2020  
Dir.(ES&P)

Sd/-23.10.2020  
Municipal Commissioner

**MUNICIPAL CORPORATION OF GREATER MUMBAI**

**CIRCULAR**

**No.CA (F)/Project/31 Dt. 26/10/2020.**

**Subject: - Revised Policy for Governing Extra-excess-saving**

**Ref:- 1. Circular No.CA/FRD/I/57 dt.13.03.2013.**

**2. Circular No. Dir/E.S.&P./324 dt.15.07.2015.**

At present the extra/excess/saving proposals are dealt as per Decision Rules framed under circular No.CA/FRD/I/57 of 13.03.2013 &Dir/E.S.&P./324 dt.15.07.2015.

Hon'ble M.C. has directed to review the existing Decision Rules and amend it suitably. Accordingly, in view to exercising effective control over the extra/excess and speedy process of such proposal during execution of the work, the powers of approval of extra/excess /saving and Fair items are reviewed and delegated according to the attached modified statement-"A". Except this, other conditions of Circular No. DIR./E.S.&P./324 dt.15.07.2015 shall remain unchanged and will be applicable as it is.

The "Decision Rules" framed and circulated apropos circular No.CA/FRD/I/57 of 13.03.2013 and Dir/ES&P/324 of 15.07.2015 shall remain applicable for those extra/excess works which were executed before issuance of these amended rules/directives by obtaining prior administrative approval of competent authority, as the case may be.

The revised policy for governing Extra/Excess and Fair items will come into effect immediately from the issuance of this circular.

All Chief Engineers/ Head of Departments/Deans shall note the above directives and follow them scrupulously.

Sd/- 13.10.2020

**C. A. (WSSD)**

Sd/- 13.10.2020

**C. A. (Finance)i.c.**

Sd/- 13.10.2020

**D.M.C. (Infra)**

Sd/- 13.10.2020

**D.M.C.(E.)**

Sd/- 14.10.2020

**D.M.C.(S.E.)**

Sd/- 13.10.2020

**Dir.(E.S.&P.)**

Sd/- 16.10.2020

**A.M.C. (Project)**

Sd/- 23.10.2020

**Municipal Commissioner**

**Statement –A**

(i) **Extra/Excess/Saving**

Nature of work	Permissible limit of Extra/Excess/Saving and Approving authority		
	DMC(Infra)/ DMC(E)/ DMC(SE)/ Dir(ES&P)/ Jt.M.C.	Concerned A.M.C.	Municipal Commissioner
General Work/ Underground works/ Unforeseen works	(i) <u>Cumulative</u> amount of Extra/Excess/Saving in any <u>individual item</u> Upto Rs.25 Lakh And (ii) Total <u>Cumulative</u> amount of Extra/Excess/Saving <u>on all items</u> upto 5% of the total contract cost, but not exceeding Rs.1 crore	(i) <u>Cumulative</u> amount of Extra/Excess/Saving in any <u>individual item</u> Upto Rs. 1crore And (ii) Total <u>Cumulative</u> amount of Extra/Excess/Saving <u>on all items</u> upto 15 % of the total contract cost, but not exceeding Rs.10 crore	(i) <u>Cumulative</u> amount of Extra/Excess/Saving in any <u>individual item</u> above Rs.1Crore And / OR (ii) Total <u>Cumulative</u> amount of Extra/Excess/Saving <u>on all items</u> above 15% of the total contract cost. And / OR <u>Cumulative</u> amount of Extra/Excess/Saving <u>on all items</u> exceeding Rs.10 Crores.
<b>Payment Terms:</b>			
<u>Excess Items</u> shall be paid as per the rates quoted by the tenderer at the time of tender			
<u>Extra Items</u> shall be paid as per the rate prevailing in "Unified Schedule of Rate" of MCGM at the time of tender at rebate quoted by the contractor or at Par in case of premium quoted by the contractor at the time of tender			

(ii) Fair Item

Nature of work	Permissible limit of Fair Item and Approving authority		
	DMC(Infra)/ DMC(E)/ DMC(SE)/ Dir(ES&P)/ Jt.M.C.	Concerned A.M.C.	Municipal Commissioner
For all nature of work	Total <u>Cumulative</u> amount of Fair <u>on all items</u> upto 2% of the total contract cost, but not exceeds Rs.20 Lakh	Total <u>Cumulative</u> amount of Fair <u>on all items</u> upto 5% of the total contract cost, but not exceeds Rs.1 crore (Other than the proposals in the purview of DMC/Jt.MC)	Total <u>Cumulative</u> amount of Fair <u>on all items</u> above 5% of the total contract cost. And / OR <u>Cumulative</u> amount of Fair <u>on all items</u> exceeding Rs.1 Crore.

**Payment Terms:**

Fair Items shall be got approved by the concerned DMC/Dir(ES&P)/Jt.M.C. The engineer in-charge shall work out these fair items at fair and reasonable market rates on the basis of material, labour and operation of construction equipment required to execute the item and allowing 15% to cover profits and overhead charges(i.e. including taxes, duties, etc.) On the same lines of rate analysis prepared for the items that are in "Unified Schedule of Rate" of MCGM.

The rates of Fair Items shall be valid for one year only. Moreover, no escalation will be admissible on the fair items till the completion of such works, in which the fair items are executed.

Fair Items shall be paid at PAR in case of premium quoted by the contractor, in newly created FAIR ITEM or item not included in prevailing "Unified Schedule of Rate" of MCGM at the time of tender. OR at rebate quoted by the contractor if it is already added in prevailing "Unified Schedule of Rate" of MCGM at the time of tender.

Sd/- 13.10.2020      Sd/- 13.10.2020      Sd/- 13.10.2020      Sd/- 13.10.2020      Sd/-14.10.2020      Sd/-13.10.2020  
C. A. (WSSD)      C. A. (Finance)l.c.      D.M.C.(Infra)      D.M.C.(E.)      D.M.C.(S.E.)      Dir.(E.S.&P.)

**MUNICIPAL CORPORATION OF GREATER MUMBAI**

Office of the DMC CPD,  
Central Purchase Department,  
666, N.M.Joshi Marg, Byculla, Mumbai-400 011.

No. DyChE/ CPD/ 2025 / dt. 01/09/2021

**CIRULAR**

**Sub:** Formation of Grievance Redressal Committee (GRC)  
to address grievances from bidders.

**Ref.:** MGC/F/4961 dated 09/08/2021.

Hon. M.C.'s accorded sanction under reference to form Grievance Redressal Committee (GRC) to address grievances from the bidders regarding responsiveness/ non-responsiveness in Packets 'A', 'B' or 'C' in all the tenders. Therefore, all HOD's are requested to incorporate following condition in all the tenders;

**Grievance Redressal Committee (GRC)**

1. *If a Bidder is not satisfied with the decision of responsiveness/ non responsiveness in Packets 'A', 'B' or 'C', by the concerned HOD, he may appeal to D.M.C. (C.P.D.) by paying fee of Rs. 25,000/-.*
2. *D.M.C. (C.P.D.) will assign the work of co-ordination of various activities and administration work of G.C.R. to nominated Registrar – Shri. Uday B. Mande.*
3. *The Committee for hearing grievances and passing orders will be constituted as follows:*

*(a) The Committee will comprise of D.M.C. / Director / Jt.M.C. of tender inviting department and D.M.C. / Director / Jt.M.C. of the department for which tender is being invited.*

*For example, if tender is invited by C.P.D. dept, for K.E.M. Hospital then the Committee will be of DMC(CPD) and DMC (PH).*

*(b) In case the tender inviting department and department for which tender is being invited are same then the concerned DMC/ Director/ Jt.M.C. of the same department and DMC(CPD) will be the members of the Committee.*

*For example, if tender is invited by Dean (KEM) for KEM Hospital then the Committee will be DMC (PH) and DMC(CPD).*

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In tabular format:

Tender Inviting Department	Work belonging Department
DMC(CPD) or DMC /Director / Jt.M.C. of concerned Department.	Concerned DMC / Director/ Jt.M.C.

4. In case the work is pertaining to various departments then concerned DMC / Director/ Jt.M.C. having major contribution of work will be one of the member of the Committee.
5. The Committee will hear the grievances of bidder within 30 days on receipt of bidder's application and will pass an order within 45 days.
6. If Bidder is not satisfied with the decision of the above Committee, he may appeal to the concerned Addl. Municipal Commissioner of Tender Inviting Department. The Addl. Municipal Commissioner will hear the case within 45 days from the date of receipt of application for second appeal from the bidder and will pass the order within 60 days.


Sd/- 27.07.2021  
Dy ChE (Civil) CPD

sd/- 27.07.2021  
D.M.C. (C.P.D.)

Sd/- 30.07.2021  
A.M.C. (WS)

sd/- 06.08.2021  
Hon,ble M. C.

The above circular approved by Hon,ble MC is submitted for necessary  
tion please.

  
Dy ChE (CPD) Civil

## बृहन्मुंबई महानगरपालिका

परिपत्रक

२०१९-२०

क्रमांक : सीए/एफबीके/२४१, दिनांक २७.११.२०१९

विषय : बँकेने दिलेले हमीपत्र (बँकर्स गॅरंटी) स्विकारण्याबाबत.

संदर्भ : सीए/एफबीके/३९, दिनांक - ०७/१२/२०१२

सीए/एफबीके/२५, दिनांक - १०/१०/२०१२

कंत्राटदार / पुरवठादार यांच्याकडून सादर करण्यात येणारी बँक हमीपत्रे (बँकर्स गॅरंटी) स्विकारण्यासंदर्भात उपरोक्त संदर्भाधीन परिपत्रकान्वये मार्गदर्शनपर सूचना परिक्रमित करण्यात आल्या आहेत. सदर परिपत्रकातील परिच्छेद क्रमांक २ मध्ये पुढील प्रमाणे सुधारणा करण्यात येत आहेत.

सदर परिपत्रकात नमूद केलेली भारतीय रिझर्व बँकेची "rbidocs.rbi.org.in/docs/publications/pdfs/84656.pdf" ही लिंक "www.rbi.org.in" अशी वाचण्यात यावी.

तरी, सर्व खातेप्रमुख, सहाय्यक महापालिका आयुक्त आणि संबंधित यांनी वरील सुधारणेची नोंद घेऊन संबंधित कंत्राटदार/पुरवठादार यांना अवगत करावे.

सही/- १४.११.२०१९

प्रमुख लेखापाल (पा.पु.म.नि.)

सही/- १४.११.२०१९

प्रमुख लेखापाल (वित्त) प्र.

### परिपत्रक

२०१९-२०

क्रमांक : सीए/एफबीके/२४१, दिनांक २७.११.२०१९

----- यांना प्रत (-----) अधिक प्रतींसह  
माहितीकरिता व योग्य त्या कार्यवाहीसाठी पाठवित आहे.

सदर परिपत्रक महानगरपालिकेच्या <ftp://hr.mcgm.gov.in/Circular/CA/Finance/2019/> या संकेतस्थळावर प्रसिद्ध करण्यात आलेले आहे.

वि.प्र. कथरे. २७/११/१९

प्रमुख लेखापाल (वित्त) गांजकृतिना

**BRIHANMUMBAI MUNICIPAL CORPORATION**

**Chief Engineer (Vigilance) Deptt.**

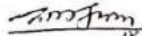
**Circular**

**No.ch.E(V)/436/B dated 18/05/2023**

Sub: - Annexing the Clause of GRC (Grievance Redressal committee) in the tenders.

Ref: - 1) AMC(P)'s approval U.no. AMC/P/677 dated 27.04.2023

As per the directions of AMC(P) u.no. AMC/P/677 dated 27.04.2023, all the concerned HODs, Ch.Eng. are requested to annex the Clause of GRC (Grievance Redressal committee) accompanying with this circular, in every tenders, so that vendor directly do not approach to higher authorities.

  
(Girish B. Nikam)

**Chief Engineer (Vigilance) D/c**

C.C. to:

City Engineer, Hydraulic Engineer, Ch. E.(Roads & Traffic), Ch.E.(S.W.D.), Ch.E.(C.S.),  
Ch. E. D.P., Ch.E.(W.S.P.), Ch.E.(S.P.), Ch.E.(S.O.), Ch. E. (B.M.), Ch.E.(M&E),  
Ch.E.(M.S.D.P.), Ch.E.(S.W.M.), Ch.E.(C.T.I.&R.C.),  
C.A.(Finance), C.A.(Treasury), C.A.(Stores), Law Officer.  
Dy.Ch. E. (Roads)City / W.S./E.S., Dy.Ch. E.(Bridges), Dy.H.E. City/W.S./E.S.,  
Dy.Ch. E. (S.W.D.)City/E.S./W.S., Dy.Ch.E.(Civil)Environmental, Dy.Ch.(SIC),  
Dy.Ch.E.(B.M.)City/W.S./E.S., Dy.H.E.(Ops), Dy.H.E.(PPC), Dy.H.E.(Const),  
Dy.C.E.(P.I.Cell), Dy.Ch.E(HIC), Dy.C.E. (BC)City / E.S./ W.S., Dy.H.E.(Maint),  
Dy.Ch.E.(Traffic),  
Asst. Comm.(A.B.T.)Wards., Asst. Comm.(Market.), Asst. Comm.(Estate),  
E.E. (B.C.) City, E.E. (B.C.) W.S., E.E. (B.C.) E.S., E.E.(M & R), E.E. (Garden  
Cell)A.O.FAS, A.O.FSA, A.O.FRD-II (City), A.O. (Stores), A.O.(Transport),  
Dean KEM Hospital, Dean Nair Hospital Dean Sion Hospital, Dean Cooper Hospital.

## ANNEXURE

### 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 procuring 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 specified in pre-qualification document, bidder registration document or bid documents, as the case may be.

Where BMC fails to dispose off the application within the specified 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 M.C.G.M.

**1<sup>st</sup> 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, 2<sup>nd</sup> 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 satisfied, 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 MCGM.**

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

- Determination of need 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 communicate 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.

Official Seal and Address

Full Signature of the tenderer with

बृहन्मुंबई महानगरपालिका

परिपत्रक

२०२३-२०२४

क्र. सीए/एफआरजी/०३ दिनांक ११.०५.२०२३

विषय :- महानगरपालिकेच्या विविध खात्यांमार्फत मागविण्यात येणा-या अनस्टार दरपत्रिका/  
निविदा/दरपत्रिका/ ई-दरपत्रिका/ ई-निविदा दस्तऐवजांच्या छाननी शुल्काबाबत

संदर्भ :- १) क्र. प्रले/एफसीई/२८ दि. १३.०१.२०२३

२) क्र.सीए/एफआरजी/२१ दिनांक ०८.०२.२०२३

३) क्र. अति.आ./प्रकल्प/६७१ दि. २७.०४.२०२३

बृहन्मुंबई महानगरपालिकेच्या विविध खात्यांमार्फत मागविण्यात येणा-या अनस्टार दरपत्रिका/निविदा/दरपत्रिका/ ई-दरपत्रिका/ई-निविदा दस्तऐवजांकरिता पक्षकारांकडून आकारण्यात येणारे निविदा शुल्क उपरोक्त संदर्भ क्र. ०२ वरील परिपत्रकानुसार दिनांक ०१.०४.२०२३ पासून दिनांक ३१.०३.२०२४ पर्यंत सुधारीत दराने आकारण्याबाबतचे निर्देश देण्यात आले होते.

उपरोक्त संदर्भित क्र २ चे परिपत्रक क्र.सीए/एफआरजी/२१ दिनांक ०८.०२.२०२३ च्या निदेशांत बदल करून सर्व अनस्टार दरपत्रिका/निविदा/दरपत्रिका/ ई-दरपत्रिका/ ई-निविदा दस्तऐवजांकरिता निविदा शुल्क (Tender Fee) न आकारता सर्व देकारदाराकडून खालील तक्त्यात दर्शविल्यानुसार छाननी शुल्क (Scrutiny Fee) अनुज्ञेय वस्तू व सेवाकरासहित आकारण्याचे सुधारित निर्देश देण्यात येत आहेत. सदर छाननी शुल्क इसारा अनामत रक्कमेचा (EMD) परतावा करण्यापूर्वी नागरी सुविधा केंद्रात चलनाद्वारे भरण्यात यावे अथवा देकारदाराची संमती प्राप्त करून इसारा अनामत रक्कमेमधून छाननी शुल्क समायोजित करावे. महानगरपालिकेचे वस्तू व सेवाकर सल्लागार एकबोटे देशमुख अँड कंपनी यांच्या दि. १८.०४.२०२३ रोजी प्राप्त झालेल्या अभिप्रायानुसार सदर छाननी शुल्कावर (Scrutiny Fee) १८% दराने वस्तू व सेवाकर आकारण्यात यावा.

अनु क्र.	स्वारस्याची अभिव्यक्ती प्रस्ताव/ मालाचा पुरवठा/ सल्लागार सेवासह स्थापत्य कामे आणि सेवा इत्यादी विषयक कार्यालयीन अंदाजे रक्कम	अनस्टार दरपत्रिका/निविदा/दरपत्रिका/ ई-दरपत्रिका/ ई-निविदा दस्तऐवजांचे विद्यमान शुल्क ( दि. ०१.०४.२०२३ पासून)	मंजुरीच्या दिनांकापासून मागविण्यात येणाऱ्या अनस्टार दरपत्रिका/निविदा/दरपत्रिका/ ई-दरपत्रिका/ ई-निविदा दस्तऐवजांचे सर्व देकारदारांकडून वसूल करावयाचे प्रस्तावित छाननी शुल्क
०१	रु. ०३ लाखापर्यंत	रु. ०३ लाखापर्यंत रु. २४२/- अधिक वस्तु व सेवाकर	रु. ३००/- + १८% वस्तु व सेवाकर
०२	रु. ३,००,००१/- ते रु. ५,००,०००/-	कार्यालयीन अंदाजाच्या ०.१२% (अशी येणारी रक्कम पुढील शंभराच्या पटीत परिवर्तित करणे यासापेक्ष) अधिक वस्तु व सेवाकर (म्हणजेच कमीत कमी रु. ३६०/- अधिक वस्तु व सेवाकर आणि जास्तीत जास्त रु. ११,५००/- अधिक वस्तु व सेवाकर)	रु. ६००/- + १८% वस्तु व सेवाकर
०३	रु. ५,००,००१/- ते रु. १०,००,०००/-	वरील प्रमाणे	रु. १,२००/- + १८% वस्तु व सेवाकर
०४	रु. १०,००,००१/- ते रु. २५,००,०००/-	वरील प्रमाणे	रु. ३,०००/- + १८% वस्तु व सेवाकर
०५	रु. २५,००,००१/- ते रु. ५०,००,०००/-	वरील प्रमाणे	रु. ६,०००/- + १८% वस्तु व सेवाकर

०६	रु. ५०,००,००१/- ते रु. १,००,००,०००/-	वरील प्रमाणे	रु.१२,०००/- + १८% वस्तू व सेवाकर
०७	रु. १,००,००,००१/- ते रु. २५,००,००,०००/-	वरील प्रमाणे	रु.१५,०००/- + १८% वस्तू व सेवाकर
०८	रु. २५,००,००,००१/- पेक्षा जास्त	वरील प्रमाणे	रु.२५,०००/- + १८% वस्तू व सेवाकर

अनस्तर दरपत्रिका/ निविदा/ दरपत्रिका/ ई-दरपत्रिका/ई-निविदा दस्तऐवजांकरिता छाननी शुल्काचे सुधारीत दर मंजुरी दिनांकापासून ते दिनांक ३१.०३.२०२४ पर्यंत अंमलात येतील.

तरी सर्व खाते प्रमुख/सहाय्यक आयुक्त/रुग्णालय प्रमुख, अधिष्ठाता यांनी त्यांच्या अखत्यारीतील संबंधित कर्मचारीवृंदांना उपरोक्त सुचनेची काटेकोरपणे अंमलबजावणी करण्याचे तसेच मंजुरीच्या दिनांकापासून मागविण्यात येणाऱ्या अनस्तर दरपत्रिका/ निविदा/ दरपत्रिका/ ई-दरपत्रिका/ई-निविदा दस्तऐवजांकरिता निविदा शुल्क न आकारता सर्व देकारदारांकडून या परिपत्रकातील सुधारीत दरांनुसार इसारा अनामत रक्कमेचा परतावा करण्यापूर्वी छाननी शुल्क अनुज्ञेय वस्तू व सेवाकरासहित वसूल करण्याचे अथवा देकारदाराच्या संमतीने इसारा अनामत रक्कमेतून समायोजित करण्यासंबंधीचे निदेश द्यावेत.

सही/- २८.०४.२०२३  
श्री.पांडुरंग गोसावी  
प्रमुख लेखापाल (पा.पु.म.नि.)

सही/- २८.०४.२०२३  
श्री. प्रदिप भा. पडवळ  
प्रमुख लेखापाल (वित्त)प्र.

सही/- २८.०४.२०२३  
श्री. रामदास आक्हाड  
उप. आयुक्त (वित्त)

सही/- ०२.०५.२०२३  
श्री. पी. वेलरासू  
अति.आयुक्त (प्रकल्प)

सही/- १०.०५.२०२३  
श्री. इ.सिं. चहल  
महापालिका आयुक्त

परिपत्रक

२०२२-२३

क्र.सीए/एफआरजी/०३ दिनांक ११.०५.२०२३

प्रत .....(जादा .....प्रतीसह ) यांना माहितीकरिता व पुढील  
आवश्यक त्या कार्यवाहीकरिता अग्रेषित

*D. Baduge*  
११/५/२३  
प्रमुख लेखापाल (वित्त) यांजकरिता



# वृहन्मुंबई महानगरपालिका

## विधी खाते

परिपत्रक क्र. २६२०६ दि. ३१.०८.२०२३

विषय - कंत्राट करार करण्यासाठी वसूल करावयाचे विधी आकार (Legal charges) व लेखनसाहित्य आकार (Stationery charges)

संदर्भ - १. परिपत्रक क्र. १०५३९ दि. २८.०३.२०२३  
२. एमजीसी/एफ/५३४ दि. २८.०८.२०२३


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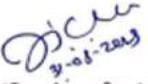
महानगरपालिकेच्या विविध खात्यांमार्फत मागविण्यात येणा-या निविदांसंदर्भात लेखी करार करताना पक्षकाराकडून एकत्रितरित्या आकारावयाच्या विधी आकार व लेखनसाहित्य आकाराची उपरोक्त संदर्भित क्र. १ वरील परिपत्रकानुसार दि. ०१.०४.२०२३ पासून आकारणी करण्यात आलेली आहे.


तथापि महानगरपालिका आयुक्त यांच्या संदर्भ क्र. २ च्या मंजूरीनुसार कंत्राट करार करण्यासाठी वसूल करावयाचे विधी आकार (Legal charges) व लेखनसाहित्य आकार (Stationery charges) यामध्ये सुधारणा करण्यात आली असून खालील तक्त्यामध्ये दर्शविल्याप्रमाणे दि.०१.०९.२०२३ पासून सुधारीत विधी व लेखनसाहित्य (एकत्रितरित्या) आकार विहित करण्यात आलेले आहेत.

अनु. क्र	कंत्राट किंमत	एकत्रितरित्या आकारावयाचे सुधारीत विधी व लेखन साहित्य आकार दि. ०१.०९.२०२३ पासून दि. ३१.०३.२०२४ पर्यंत
१	रु. ५०,०००/-	निरक
२	रु. ५०,००१ ते रु. १,००,००,०००	कंत्राट किंमतीच्या ०.१०% दराने (अशी येणारी रक्कम पुढील शंभराच्या पटीत परावर्तित करणे यासापेक्ष) अधिक १८% दराने वस्तू व सेवाकर ( किमान रु. १०००/- अधिक वस्तू व सेवाकर आणि कमाल रु. १००००/- अधिक वस्तू व सेवाकर )
३	रु. १,००,००,००१ ते रु. १०,००,००,०००/-	रु. १,००,००,०००/- पर्यंतच्या कंत्राट किंमतीसाठी रु.१०,०००/- अधिक रु. १,००,००,०००/- पेक्षा जास्त रक्कमेवर ०.०५% दराने (अशी येणारी रक्कम पुढील शंभराच्या पटीत परावर्तित करणे यासापेक्ष) अधिक १८% दराने वस्तू व सेवाकर

4	रु. 10,00,00,001 ते पुढील कंत्राट किमतीसाठी	रु. 10,00,00,000/- पर्यंतच्या कंत्राट किमतीसाठी रु.55,000/- अधिक रु. 10,00,00,000/- पेक्षा जास्त रक्कमेवर 0.01% दराने (अशी येणारी रक्कम पुढील खोबराच्या पटीत परावर्तित करणे यासापेक्ष) अधिक 18% दराने वस्तू व सेवाकर
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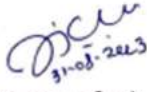
  
31/8/23  
( शोभा अजितकुमार )  
उप कायदा अधिकारी  
(हस्तांतरण -2)  
विधि खाते

  
31-08-2023  
( संदिप मो. पाटील )  
संयुक्त कायदा अधिकारी (प्र.)  
(शहर दिवाणी न्यायालय)  
विधि खाते

  
31-08-2023  
( सुनिल सोनवणे )  
कायदा अधिकारी  
विधि खाते

परिपत्रक क्र. दि. 31.08.2023

प्रत ..... यांना माहितीकरीता व पुढील  
आवश्यक त्या कार्यवाहीकरीता अग्रेषित.

  
31-08-2023  
( संदिप मो. पाटील )  
उप कायदा अधिकारी (आस्थापना )  
विधि खाते

बृहन्मुंबई महानगरपालिका

परिपत्रक  
२०२३-२०२४

क्र. सीए/एफआरजी/१० दिनांक १९.१०.२०२३

विषय :- महानगरपालिकेच्या विविध खात्यांमार्फत मागविण्यात येणा-या अनस्टार दरपत्रिका/  
निविदा/दरपत्रिका/ ई-दरपत्रिका/ ई-निविदा दस्तऐवजांच्या छाननी शुल्काबाबत

- संदर्भ :- १) प्रले/एफसीई/२८ दि. १३.०१.२०२३  
२) परिपत्रक क्र. सीए/एफआरजी/२१ दिनांक ०८.०२.२०२३  
३) एमजीसी/एफ/९५८५ दि. ११.०५.२०२३  
४) परिपत्रक क्र. सीए/एफआरजी/०३ दिनांक ११.०५.२०२३  
५) अति.आ./प्रकल्प/१३५१ दि. २३.०५.२०२३  
६) परिपत्रक क्र. सीए/एफआरजी/०४ दि. २४.०५.२०२३

बृहन्मुंबई महानगरपालिकेच्या विविध खात्यांमार्फत मागविण्यात येणाऱ्या अनस्टार दरपत्रिका/निविदा/दरपत्रिका/ ई-दरपत्रिका/ई-निविदा दस्तऐवजांकरिता छाननी शुल्क आकारण्याबाबत उपरोक्त संदर्भ क्र. ४ व ६ अन्वये परिपत्रक निर्गमित करण्यात आले होते. परिपत्रक क्र. सीए/एफआरजी/०३ दिनांक ११.०५.२०२३ मध्ये पुढील प्रमाणे निर्देश देण्यात आले आहेत.

“सर्व खाते प्रमुख/सहाय्यक आयुक्त/रुग्णालय प्रमुख, अधिष्ठाता यांनी त्यांच्या अखत्यारीतील संबंधित कर्मचारीवृंदांना उपरोक्त सुचनेची काटेकोरपणे अंमलबजावणी करण्याचे तसेच मंजुरीच्या दिनांकापासून मागविण्यात येणाऱ्या अनस्टार दरपत्रिका/ निविदा/ दरपत्रिका/ ई-दरपत्रिका/ई-निविदा दस्तऐवजांकरिता निविदा शुल्क न आकारता सर्व देकारदारांकडून या परिपत्रकातील सुधारीत दरांनुसार इसारा अनामत रक्कमेचा परतावा करण्यापूर्वी छाननी शुल्क अनुज्ञेय वस्तू व सेवाकरासहित वसूल करण्याचे अथवा देकारदाराच्या संमतीने इसारा अनामत रक्कमेतून समायोजित करण्यासंबंधीचे निर्देश द्यावेत.”

तदनंतर सुधारित परिपत्रक क्र. सीए/एफआरजी/०४ दि. २४.०५.२०२३ निर्गमित करण्यात आले. सदर परिपत्रकात पुढील प्रमाणे निर्देश देण्यात आले आहेत.

“दरपत्रिका/निविदा/दरपत्रिका/ई-दरपत्रिका/ई-निविदा दस्तऐवजांकरिता मा. महानगरपालिका आयुक्तांच्या मंजुरीच्या दिनांकापासून छाननी शुल्क न आकारता, एसआरएम कार्यप्रणाली मध्ये निविदा शुल्क न आकारण्यासंबंधीची कार्यवाही माहिती व तंत्रज्ञान खात्याकडून पूर्ण झाल्यावर त्यानंतरच निविदाकाराकडून छाननी शुल्क आकारण्यात यावेत. तसेच सदर छाननी शुल्काचा भरणा लेखा संकेतांक 140402609 - Scrutiny Fees From Tenders (From May 2023)-Taxable यामध्ये करण्यात यावा.”

परिपत्रक क्र. सीए/एफआरजी/०४ दि. २४.०५.२०२३ मध्ये नमूद केल्यानुसार एसआरएम प्रणाली मध्ये आवश्यक ते बदल माहित व तंत्रज्ञान विभागाकडून दि. २३.०६.२०२३ रोजी पूर्ण करण्यात आले आहेत.

दरम्यान माहिती व तंत्रज्ञान विभागामार्फत परिपत्रक क्र. Dir/IT/F-59 दि. १०.०५.२०२३ निर्गमित करण्यात आले. सदर परिपत्रकामध्ये दि. १५.०६.२०२३ पासून रु.२५ लाखावरील सर्व निविदा महानगरपालिकेच्या एसआरएम प्रणालीद्वारे न मागविता महाराष्ट्र शासनाच्या महाटेंडर पोर्टलद्वारे मागाविण्याबाबत निर्देश देण्यात आले आहेत. तसेच परिपत्रक क्र. सीए/एफआरजी/०३ दिनांक ११.०५.२०२३ मध्ये इसारा अनामत रक्कमेचा परतावा करण्यापूर्वी छाननी शुल्क, अनुज्ञेय वस्तू व सेवाकरासहित वसूल करण्याचे अथवा देकारदाराच्या संमतीने इसारा अनामत रक्कमेतून समायोजित करण्यासंबंधीचे निर्देश देण्यात आले आहेत. तथापि महाराष्ट्र शासनाच्या महाटेंडर पोर्टलवर इसारा अनामत रक्कमेतून समायोजना करण्याची सुविधा नसल्याने पुढील प्रमाणे सुधारित निर्देश देण्यात येत आहेत.

"महाराष्ट्र शासनाच्या महाटेंडर / एसआरएम प्रणालीद्वारे मागविण्यात येणारे सर्व अनस्टार दरपत्रिका/निविदा/दरपत्रिका/ ई-दरपत्रिका/ ई-निविदा दस्तऐवजांकरिता निविदा शुल्क (Tender Fee) न आकारता सर्व देकारदारांकडून परिपत्रक क्र. सीए/एफआरजी/०३ दिनांक ११.०५.२०२३ मधील सुधारित दरांनुसार छाननी शुल्क (Scrutiny Fee) अनुज्ञेय वस्तू व सेवाकरासहित लिफाफा 'अ' व 'ब' उघडल्यानंतर व लिफाफा 'क' उघडण्याआधी फक्त नागरी सुविधा केंद्रात चलनाद्वारे भरण्यात यावे."

संदर्भित परिपत्रकातील अन्य निर्देशांमध्ये कोणताही बदल करण्यात आलेला नाही.

सही/-१६.१०.२०२३  
श्री.पांडुरंग गोसावी  
प्रमुख लेखापाल (पा.पु.म.नि.)

सही/-१६.१०.२०२३  
श्री. प्रदिप भा. पडवळ  
प्रमुख लेखापाल (वित्त)प्र.

सही/-१६.१०.२०२३  
श्री. प्रशांत गायकवाड  
उप. आयुक्त (वित्त) प्र.

सही/-१८.१०.२०२३  
श्री. पी. वेलरासू  
अति.आयुक्त (प्रकल्प)

परिपत्रक

२०२३-२४

क्र.सीए/एफआरजी/१० दिनांक १९.१०.२०२३

प्रत .....(जादा .....प्रतीसष्ट) यांना माहितीकरिता व पुढील  
आवश्यक त्या कार्यवाहीकरिता अग्रेषित.

प्रमुख लेखापाल (वित्त) यांजकरिता

## बृहन्मुंबई महानगरपालिका परिपत्रक

प्र.ले./वित्त/प्रकल्प/२८ दि. २८/०३/२०२३

विषय: एकसामायिक दरसूची २०२३ अंतर्भूत करून महानगरपालिकेद्वारे हाती घेण्यात येणारी विविध कामे तसेच प्राप्त करण्यात येणा-या वस्तु व सेवा इत्यादीबाबतच्या ई-निविदा/निविदा/दरपत्रक यामध्ये वस्तु व सेवा कराच्या अनुषंगाने अंतर्भूत करावयाच्या अटीबाबत.

संदर्भ: १) प्र.ले./वित्त/प्रकल्प/२५ दि.१२.०७.२०२२

२) संचालक/अ.से.व प्र./२९१/एमसी दि.३१.०१.२०२३

बृहन्मुंबई महानगरपालिकेद्वारे हाती घेण्यात येणारी विविध कामे तसेच प्राप्त करण्यात येणा-या वस्तु व सेवा इत्यादीबाबतच्या ई-निविदा/निविदा/दरपत्रक यामध्ये वस्तु व सेवा कराच्या अनुषंगाने अंतर्भूत करावयाच्या अटीबाबत संदर्भित क्र. १ वरील परिपत्रकान्वये सूचना प्रसूत केल्या आहेत.

महानगरपालिका आयुक्त यांच्या क्र. एमजीसी/एफ/८७७१ दि. ३०.०१.२०२३ अन्वये एकसमान दरसूची २०२३ प्रसारीत करण्यात आली आहे. सदर एकसामायिक दरसूची २०२३ हि वस्तु व सेवाकर वगळून तयार करण्यात आली आहे. सदर अद्ययावत एकसामायिक दरसूची २०२३ नुसार अंदाजपत्रक तयार करून मागविण्यात आलेल्या/येणा-या ई-निविदा/निविदा/दरपत्रक यांमध्ये वस्तु व सेवाकराच्या अनुषंगाने महानगरपालिकेद्वारे हाती घेण्यात येणारी विविध कामे तसेच प्राप्त करण्यात येणा-या वस्तु

व सेवा इत्यादीबाबतच्या ई-निविदा/निविदा/दरपत्रक यामध्ये संदर्भित क्र.१ अन्वये दिलेल्या अटीमध्ये पुढीलप्रमाणे बदल करण्यात येत आहे.

विद्यमान अट	सुधारित अट
<p>“GST and other state levies/cess which are not subsumed under GST will be applicable. The tenderer shall quote inclusive of all taxes <u>applicable at the time of bid submission</u>. It is clearly understood that BMC will not bear any additional liability towards payment of any Taxes &amp; Duties.</p> <p>Wherever the services to be provided by the Tenderers, falls under Reverse Charge Mechanism, the Price quoted shall be exclusive of GST, but inclusive of Taxes/Duties/Cess other than GST, if any.</p> <p>Rates accepted by BMC shall hold good till completion of work and no additional individual claim shall be admissible on account of fluctuations in market rates; increase in taxes/any other levies / tolls etc. except that payment/recovery for overall market situation shall be made as per Price variation <b>and if there is any subsequent change (after submission of bid) in rate of GST applicable on the work/services to be executed as per tender, i.e. any increase will be reimbursed by BMC whereas any reduction in the rate of GST shall be passed on to BMC as per the provisions of the GST Act.</b></p>	<p>The tenderer shall quote inclusive of all taxes other than GST (<b>Excluding GST</b>), Levies, Duties, Cess etc as <u>applicable at the time of bid submission</u>. GST as applicable shall be paid separately on submission of bills/invoice.</p> <p>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.</p>

उपरोक्त सुधारीत अट अद्ययावत एकसामायिक दरसूची २०२३ नुसार अंदाजपत्रक तयार करुन मागविण्यात आलेल्या/ येणा-या ई-निविदा/निविदा/दरपत्रक या कामांकरिता लागू असेल.

अतएव, सध्या ज्या ई-निविदा/निविदा/दरपत्रक एकसामायिक दरसूची २०२३ अंतर्भूत करुन मागविलेल्या आहेत अशा निविदांमध्ये नियत दिनांकापूर्वी शुद्धीपत्रकाद्वारे उपरोक्त सुधारीत अट समाविष्ट करण्याबाबत तसेच यापुढे एकसामायिक दरसूची २०२३ अंतर्भूत करुन मागविण्यात येणाऱ्या ई-निविदा/निविदा/दरपत्रक यांमध्ये उपरोक्त सुधारीत अट समाविष्ट करण्याबाबत संबंधित खातेप्रमुख यांनी दक्षता घ्यावी.

सर्व खातेप्रमुख, रूग्णालयांचे अधिष्ठाता, सहायक आयुक्त, यांनी उपरोक्त सुचनांचे काटेकोरपणे अनुपालन करावे.

सही/- २८/०३/२०२३

(पांडुरंग गोसावी)

**प्रमुख लेखापाल (पा.पु.म.नि.)**

सही/- २८/०३/२०२३

(प्रदिप पडवळ)

**प्रमुख लेखापाल (वित्त) प्र.**

सही/- २८/०३/२०२३

(रामदास आक्हाड)

**उप आयुक्त (वित्त)**

सही/- २८/०३/२०२३

(पी. वेलरासू)

**अतिरिक्त आयुक्त (प्रकल्प)**

**BRIHANMUMBAI MUNICIPAL CORPORATION****Circular**

No. CA/Finance/Project/19 , Date 04.03.2024

Subject - Revised guidelines for payment of EMD for tenders to be uploaded on Mahatender Portal.

Ref - 1. MDD/7878, dt.27.09.2016.  
2. Dir./IT/F-59, dt.10.05.2023.  
3. Dir./IT/505038 , dt.19.12.2023

As per the guideline issued vide circular mention in reference no. 2 & 3, all department are directed to use Mahatender for all the tenders above 25 lacs with effect from 15<sup>th</sup> June 2023, and for tenders below 25 lacs with effect from 21<sup>st</sup> December 2023 respectively. Accordingly all departments of BMC shall use e-Procurement System of Government of Maharashtra (Mahatender). Further, it has been directed that, all BMC department will have to follow the standard procedures of the said e-Tendering system of GoM and make relevant changes in their respective tender documents.

For participating in bidding process, bidders are required to deposit Earnest Money Deposit (EMD) through the payment gateways while submitting the bids. In BMC's tenders, in some cases, as per the relevant clause of tender, 10% of EMD amount has to be forfeited. Further, in some cases, for more than 2 curable-defects shortfalls, 2% of EMD per instance is forfeited. However, in Mahatender System, there is no such provision of partial forfeiture of EMD amount. Hence, the existing condition of partial forfeiture of EMD elaborated above needs to be modified. Further, the work of modifying Standard Bid Document of BMC under chairmanship of DMC (Infra) is under progress. Final decision regarding partial forfeiture of EMD will be taken by the committee. However, till then, to streamline the process of bidding, interim instructions regarding EMD are as follows;



**1) Mode of payment of EMD**

A tenderer shall pay entire amount of EMD through payment gateways of GoM on URL <http://mahatenders.gov.in>. The bidder shall upload scan copy 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.

**2) If non-responsive;**

If the bidder is found non-responsive after scrutiny of packet 'A'/'B', in such circumstances, **the bidder will be made non-responsive and financial packet 'C' of non-responsive bidder will not be opened. However, there will not be any forfeiture of EMD.**

**3) Shortfalls:-**

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/de-registration, etc. shall be taken by Registration Cell with due approval of the concerned AMC.

**4) Refund of EMD :-**

c) Except successful bidder all other unsuccessful bidders' 100% EMD paid online will be refunded automatically.

d) The Bid security of successful bidder will be discharged when the bidder has signed the agreement and /or furnish the required Security Deposits as elaborated in Standard Bid Document.

**5) Forfeiture of Entire EMD:-**

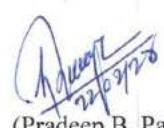
The existing conditions laid down in Standard Bid Document regarding forfeiture of entire bid security (EMD) shall remain unchanged.

These, interim-instructions will remain in force till the issuance of circular regarding amendment in SBD.

All the concerned Assistant Commissioners / HoDs shall note the above directives and to incorporate suitable clause in the draft tenders to be invited hereafter with immediate effect.



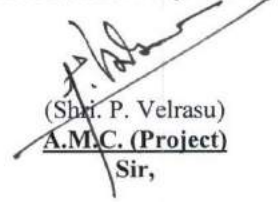
(Pandurang V. Gosavi)  
**Chief Accountant (W.S.S.D.)**



(Pradeep B. Padwal)  
**Chief Accountant (Finance)i/c**



(Shri. P. N. Gaikwad)  
**D.M.C. (Finance)**  
Sir,



(Shri. P. Velrasu)  
**A.M.C. (Project)**  
Sir,