

**Agriculture Produce Market
Committee Shirur
Anantpal**

TENDER DOCUMENT

E-Tendering System

-- Name of work --

**Proposed Construction of Shetkari Bhavan in
A.P.M.C Shirur Anantpal For Shirur Anantpal
A.P.M.C Tal- Shirur Anantpal Dist- Latur.**

Amount of Tender : Rs. 1,40,98,997/-

Earnest Money Deposit : Rs. 1,41,000/-

CONTRACTOR

NO. OF CORRECTIONS

Engineer in charge

Name of Work : Proposed Construction of Shetkari Bhavan in A.P.M.C.

INDEX

Sr. No.	Particular	Page	
		From	To
1]	Brief Tender Notice	03	03
2]	Detailed Tender Notice	04	04
3]	Integrity Pact	05	43
4]	Agreement Form B-1	45	95
5]	Additional General Condition & Specifications	96	155
6]	Schedule – A	156	156
7]	Price Variation Clause	157	162
8]	Additional Conditions for Material Brought by the Contractor	163	170
9]	Guarantee Bond for Performance Security.	171	172
10]	Guarantee Bond for Security Deposit	173	174
11]	Guarantee Bond for Anti termite	175	175
12]	Guarantee Bond for Waterproofing	176	176
12]	Declaration of Contractor	177	177
13]	Drawings	178	178
13]	Schedule “B” & Detailed Item wise Specification	179	217

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

DETAILED TENDER NOTICE Bid No: B-1/01/FOR 2025-26**APMCTENDER NOTICE**

Online Tenders (e-tender) in B-1 form for the following work are invited by Chairman ,Agriculture Produce Market Committee, , on GoM Electronic Tender Management System.
<http://mahatender.gov.in>

SYSTEM TENDER NO. NIT NO. Dated (1st Call)

Online Tender is invited for the following works upto 20.05.2026 at 15.00 hours

The details can be viewed and downloaded online directly from the GoM e-Tendering Portal <http://mahatender.gov.in> on sub form 20.05.2026 At 15.00 hours (IST) onwards.

Sr.No	Name of work	Estimated Cost	Period for Completion	Earnest Money	Cost of Blank Tender Form
1	Proposed Construction of Shetkari Bhavan in A.P.M.C Campus, Shirur Anantpal For A P.M.C, Tal- Shirur Anantpal, Dist-Latur	1,40,98,997/-	12 months	1,41,000/-	1,000+GST180=1,180/-

For more details on the tender and bidding process you may please visit the above Mentioned portal.

NOTE:

1. Details of tender documentsch will be available on website <http://mahatenders.gov.in>
2. Contractors are mandated to get enrolled on <http://mahatenders.gov.in>
3. For details contact – 24 X 7 Help Desk Toll Free No.1800 3070 2232, Mobile No. +917878107985/86 +917878007972/73, Email eproc.maharashtra@gmail.com, cppsupt@nic.in
4. Right is reserved to reject any or all tenders with any reason thereof
5. We are not responsible for any problem coup up during online E-tender process.
6. Above tender notice is also available on web site of <http://mahatenders.gov.in>

Chairman,
Agriculture Produce Market Committee,

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

**INVITATION FOR TENDER.
DETAILED TENDER NOTICE
Agriculture Produce Market Committee,**

1. TENDER SCHEDULE

Online percentage rate tenders in 'B-1' Form are invited by the **Chairman, APMC, Shirur Anantpal** for the following work from the eligible contractor. The Name of Work, Estimated Cost, Earnest Money, Security Deposit, Time limit for completion etc. are as under. The bidder is advised to examine carefully all instructions in this NIT including addendum/ amendments to NIT, conditions of contract, contract data, forms, terms, technical specifications, bill of quantities etc. in the bid Document

The Name of Work, Estimated Cost, Earnest Money, Security Deposit, Time limit for completion etc. are as under

Name of Work	Proposed Construction of Shetkari Bhavan in A.P.M.C Campus Shirur Anantpal For Shirur Anantpal A.P.M.C, Tal- Shirur Anantpal, Dist- Latur
Estimated Cost Put to Tender	Rs. 1,40,98,997/-
Earnest Money Deposit (EMD)	Rs. 1,41,000/- (to be paid online as prescribed)
Security Deposit	Rs.7,05,000/- (5% of Tender Cost)
Period for Downloading Tended forms	From 20/05/2026 at 15.00 Hrs to 27/05/2026 at 17.00 Hrs
Date and time of pre bid meeting	On 23/05/2026 at 12 Hrs (Venue- A.P.M.C Shirur Anantpal office)
Place, Time and Date of opening Technical Bid.	On 28/05/2026 at 17:00 Hrs (Online) (Tentative)
Place, Time & Date of opening of Financial Bid.	On dated 30/05/2026 at 17.00 Hrs. (Online) (Tentative)

Note - Above Schedule is subjective & to be verified by the Tenderer himself on web site. Tender Schedule Flashed on Web-Site (System Generate Schedule) is final & binding to all Tenderers

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

(2) Guidelines to Bidders on the operations of Electronic Tendering Management System

[ETMS] of APMC, <https://mahatenders.gov.in>

1. Tender Forms can be downloaded from the eTendering portal of Maharashtra i.e. <https://mahatenders.gov.in> Document Tender Fee and EMD to be paid Via SBI MOPS Online Payment Gateway Mode Only. And upload successful payment receipt in ENVELOPE NO.1 TECHNICAL BID Documents.
2. The tender submitted by the tenderer shall be based on the clarification, additional facility offered (if any) by the Department, and this tender shall be unconditional. Conditional tenders will be summarily REJECTED.
3. All tenderers are cautioned that tenders containing any deviation from the contractual terms and conditions, specifications or other requirements and conditional tenders will be treated as non responsive. The contractor should clearly mention in forwarding letter that his offer (in Envelope No.1 & 2) does not contain any condition, deviations from terms and conditions stipulated in the tender.
4. Tenderers should have valid Class II / III Digital Signature Certificate (DSC) obtained from any Certifying Authorities.
5. For any assistance on the use of Electronic Tendering System, the Users may call the below
6. Toll Free Ph. No. 1800 3070 2232 E-Mail : eproc.support@maharashtra.gov.in, cphp-support@nic.in
7. Special Instructions to the Contractors / Bidders for the e-submission of the bids online through this tender site: <https://mahatenders.gov.in> Bidder must register themselves on <https://mahatenders.gov.in> portal by clicking "Online Bidder Enrollment" and then map Digital Signature certificate.
8. Bidder then login to the site giving User id / Password chosen during registration.
9. The DSC e-token that is registered should be used by the bidder and should not be misused by others.

10. 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.
11. After downloading / getting the tender schedules, the Bidder should go through them carefully and then submit the documents as asked, otherwise, the bid will be rejected.
12. If there are any clarifications, this may be obtained online through the tender site, or through the contact details. Bidder should take into account of the corrigendum published before submitting the bids online.
13. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender schedule and they should be in PDF/XLS/RAR formats. If there is more than one document, they can be clubbed together.
14. Document Tender Fee and EMD to be paid via SBI MOPS Online Payment Gateway Mode only and upload successful payment receipt in **ENVELOPE NO.1 TECHNICAL BID Documents.**
15. The bidder reads the terms & conditions and accepts the same to proceed further to submit the bids.
16. The bidder has to submit the tender document online well in advance before the prescribed time to avoid any delay or problem during the submission process.
17. After the bid submission, the acknowledgement number, given by the e-tendering system should be printed by the bidder and kept as a record of evidence for online submission of bid for the particular tender.
18. Document Tender Fee and EMD to be paid via SBI MOPS Online Payment Gateway Mode only. And upload successful payment receipt in Envelope No.1 Technical Bid Documents. and BOQ in .xls format file to Uploaded in ENVELOPE NO.2 FINANCIAL BID Documents.
19. 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.
20. The bidder may submit the bid documents by online mode through the site (<https://mahatenders.gov.in>) as indicated in the tender.

21. The tendering system will give a successful bid updating message after uploading all the bid documents submitted & 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 DSC e-token of the bidder and then submitted. 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 date.
22. Bidder should log into the site well in advance for bid submission so that he submits the bid in time i.e on or before the bid submission end time. If there is any delay, due to other issues, bidder only is responsible.
23. 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.
24. The time settings fixed in the server side & displayed at the top of the tender site, will be valid for all actions of requesting, bid submission, bid opening etc., in the e-tender system. The bidders should follow this time during bid submission.
25. All the data being entered by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered will not be viewable by unauthorized persons during bid submission & not be viewable by any one until the time of bid opening. Overall, the submitted tender documents become readable only after the tender opening by the authorized individual.
26. The confidentiality of the bids is maintained since the secured Socket Layer 128 bit encryption technology is used. Data storage encryption of sensitive fields is done.
27. The bidders are requested to submit the bids through online eTendering System to the TIA well before the bid submission end date & time (as per Server System Clock).

28. The bidder should logout of the tendering system using the normal logout option available at the top right hand corner and not by selecting the (X) option in the browser.
29. The bidder should upload the Technical Bid in .rar format single file to upload in Technical cover and then BOQ in .xls format single file to Uploaded in ENVELOPE NO.2 FINANCIAL BID Documents.
30. The User acknowledges and agrees that his/ her information will be managed in accordance with the laws for the time in force.
- 31 **Payment Gateway Disclaimer The Service** is provided in order to facilitate payment of Tender Fees/Earnest Money / Bid Security Deposit online. The Merchant or the Payment Gateway Service Provider(s) do not make any representation of any kind, express or implied, as to the operation of the Payment Gateway other than what is specified in the Website for this purpose. By accepting/ agreeing to these Terms and Conditions, the User expressly agrees that his/ her use of the aforesaid online payment service is entirely at own risk and responsibility of the User.

3 EXAMINATION OF DRAWING AND SITE CONDITIONS :

- (3.1) The tenderer shall in his own interest Shall visit site, traffic condition, carefully examine the drawings, conditions of contract specifications etc.
- (3.2) He shall also inspect the site and acquaint himself about the climate, physical and all other conditions prevailing at site, the nature, magnitude, special features, practicability of the works, all existing and required means of communications and accesses to site, availability of housing and other facilities, the availability of labour, materials, Power & Water, space for labour's camp, plant, stores and Godown etc.
- (3.3) He shall obtain all necessary information as to the risk, contingencies and other circumstances, which may affect and influence the tender.
- (3.4) Should there be any discrepancy or doubt or obscurity as to meaning of any of the tender document or as to the instructions to be observed by him, he shall set forth in writing such discrepancies, doubts obscurity

and submit the same to the **Chairman, APMC**, for elucidation as soon as possible.

(3.5) No claims on any of the above or any other factors will be entertained by the APMC.

4. PRE – TENDER CONFERENCE :-

(4.1) The Pre- Tender conference will be open to all prospective tenderers, who have downloaded tenders from, can ask for any clarification regarding tender conditions, seek additional information by submitting Pre Tender queries before the date mentioned in the Tender Schedule by “Post Queries” option available on e-tendering system portal. Reply of these queries will be given by the Department through the same “Post Queries” option.

(4.2) This reply / clarification / Amendment given by the department refer to as common set of condition / Deviations (CSD) will form part of Tender. Which will be common and applicable to all tenderers.

(4.3) This CSD will be available on the e tendering portal as corrigendum to the tender documents.

(4.4) The tender submitted by the tenderer shall be based on the clarification, additional facility issued (if any) by the Department, and this tender shall be unconditional. Conditional tender will be summarily **REJECTED**.

(4.5) Point / Points if any throw online by the contractor in online queries and not finding place in CSD issued after the are deemed rejected. In such case the provision in NIT shall prevail. No individual correspondence will be made thereafter with the contractor in this regard.

(4.6) All Intending Tenderers are cautioned that the tenders containing any deviation from the contractual terms and condition, specifications or other requirements, and conditional tenders will be treated as non responsive.

(4.7) If CSD is not issued uploaded by the Department then it shall deemed that there is no any Amendment to NIT.

5. EARNEST MONEY DEPOSIT (EMD):-

(5.1) Earnest Money Deposit (EMD.) which should be paid online using NEFT/RTGS or payment gateway mode only as prescribed elsewhere in the Tender Document. Earnest Money in any other form or cash or cheques will not be accepted

(5.2) The EMD Exemption Certificate is not allowed

(5.3) Required amount of EMD must be paid through the Bank Account in the name of Tendering Firm only. Screenshot of EMD transaction showing Name & Account Number shall be uploaded in Envelop No. 1

(5.4) Any tender not accompanied by the EMD shall be rejected as non-responsive.

(4.6) The amount of EMD will be forfeited, in case a successful contractor does not pay the amount of initial security deposit within the time specified as stipulated by the Chairman, and complete the contract documents. In all other cases, EMD will be refunded to account provided by the bidder during the bid preparation by Concerned Divisional Office.

(6) CONDITION FOR PAYMENT OF ADDITIONAL PERFORMANCE SECURITY DEPOSIT IF THE OFFER IS RECEIVED LOWER MORE THAN 1% BELOW

In Case lowest successful bidder's offer found more than 1.00% below the estimated cost put to tenderer, in that case, the tender shall have to pay Additional Performance Security deposit drawn in favor of the concerned Chairman (in form of Demand Draft only) with in 8 (eight) days [in no case limit of 8 days will be increased] from the date of opening of Financial bid i.e. 2nd envelope as specified below;

6.1 There is no need to pay Additional Performance Security deposit, if Tenderer's offer is up to 1% (one percent) below the estimated cost put to tender

6.2 If Tenderer's offer is upto 10% below the estimated cost put to tender, then the Additional Performance Security deposit shall be 1% of the estimated cost put to tender.

6.3 If Tenderer's is upto 15 percent below the estimated cost put to tender, Tenderer shall submit 1% plus the percentage by which tender offer is more

than 10% below of amount put to tender. (e.g. if tenderer offered 14% below he have to submit $(14\% - 10\%) + 1\%$ i.e. total 5% of estimated cost put to tender) or minimum Rs. 1000/- which ever is higher.

6.4 If Tenderer's offer is more than 15 percent below the estimated cost put to tenderer shall have to submit Additional Performance Security Deposit as specified below

1.	for offer upto 10% below the estimated cost put to tender	1%
2.	for offer upto 15% below the estimated cost put to tender (15%-10%=5%)	5%
3.	more than 15% below tenderer have to submit (e.g. if tenderer offered 19% below tenderer have to submit $(19-15\% = 4\% \times 2 = 8\%)$)	8%
	Total (1%+5%+08%)	14%

6.5 If the calculated amount of additional Performance Security deposit is less than Rs.1000/- then the performance security deposit shall be Rs.1000/- minimum of the estimated cost put to tender.

6.6 Amount of Additional Performance Security Should be rounded upto two decimal only.

6.7 All above Demand Draft shall be of either of APMC Bank or of Scheduled Bank drawn in favour of Concerned Chairman only. In respect of Demand Draft it's duly mentioning the MICR and IFSC code of said bank shall be mentioned specifically on the said Demand Draft.

6.8 Successful Tenderer's Additional Performance Security will be refunded immediately upon the Certificate of satisfactorily completion of works issued by Chairman. In all other cases additional Performance Security shall be forfeited to APMC.

6.9 In case of lowest successful bidder whose offer found more than 1% below fails or neglects to deposit the Additional Performance Security with in 8 (eight) specified days, then his EMD shall be forfeited to APMC and 2nd lowest tenderer will become lowest and will be negotiated for award of work.

6.10 The said amount of Additional Performance Security shall not carry any interest whatsoever.

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

7. Manner of Submission :

7.1 Uploading of Formats, Templates and Tender Documents:-

- (a) The Intending Tenderer shall prepare the Bids in the Templates provided online as part of tender. The Templates shall be either Documents based (in which the Intending Tenderer is required to attach the relevant documents separately) or Forms Based (in which the Intending Tenderer is required to fill in the information in given Formats).
- (b) The required Documents (single document or a compressed file containing multiple document having size of each document not more than 5 MB) available in Brief Case shall be attached against each up loadable option in the Document Based Templates.
- (c) The Information being filled in the Form Based Templates shall be encrypted using a valid class II / III DSC.
- (d) The Formats/ Templates shall be uploaded in Envelope No.1 (**Technical Bid**) on the sub- Portal <http://mahatender.gov.in>
1. Tenderer has to pay EMD by way of using online Gate way payment facility/NEFT/RTGS only as prescribed elsewhere and upload the scanned copy of **Screen shot of payment showing the name & account number of Tendering Firm.**
 2. **Scanned Copy** of Original valid Certificate of constitutional or legal status of Bidder with place of registration as may be applicable.
 3. **Scanned Copy** of AFFIDAVIT regarding correctness of uploaded Documents in the given ANNEXTURE- A (***The Original Copy of the Bond of the above affidavit should be submitted before award of work to Concerned Division Office***)
 4. **Scanned copy of** Details of the works tendered for and in hand with the value of the work unfinished on the last date of submission of tender (in Statement No. 1, on **page No. 29**). The Statement from the Head of the Officer under whom the works are in progress should be uploaded.
 5. **Scanned copy of** the list of owned machinery and Plants immediately available with the tenderer for use on this work and the list of machinery proposed to be utilized on this work, but not immediately available and the

manner in which it is proposed to be procured. (In Statement No. 2 and 2(A) on **page No. 29 & 30 respectively.**)

6. **Scanned copy** of the list of the details of work of similar type and magnitude carried out by the contractor during last Five years (in **Statement No.3 Page No.31**)
7. **Scanned copy of list of** details of Technical personnel on the rolls of the tenderers. (in the **Statement No. IV on Page No. 32**)
8. **Scanned copy** Partnership Deed and Power of Attorney, in case of a firm tendering for work.
9. **Scanned copy** of Valid Professional Tax Registration Certificate in the Form of PTR and PTE under Section (I) of Section 5 of Maharashtra State Tax in Profession, Trade calling and Employment Act, 1975 Rule 3(2) for Employees including technical personnel from the Professional Tax Office of the concerned district of Maharashtra
10. **Scanned copy of** Registration Certificate of GST registration Certificate from concerned authority under GST Act 2017.
11. Scanned Copy of Integrity Pact executed on plain paper in the given format only duly signed by Authorised signatory (The Original Copy of the Integrity Pact shall be submitted before award of work to Concerned Division Office)
12. Certificate obtained from APMC towards verification by bidder of site condition where proposed work to be executed .

13. QUALIFICATION CRITERIA:-

To qualify for award of the contract each tenderer in his name should have in the last Five **Years** i.e, 2020-21, 2021-22, 2022-23, 2023-24 and 2024-25 as specified.

- (a) Achieved minimum financial Turn Over in any one year of last **Five years** is Rs. **104.66 lakhs** at price during last **Five year** i.e. 2020- 21, 2021-22, 2022-23, 2023-24 & 2024-25 (information to be uploaded in statement No. V on page No. 36) Above Turnover should be certified by the registered Chartered Accountant with Tenderer's Total Contract Receipts
- (b) Satisfactorily completed as a prime contractor of at least;
 - (1) Three similar works of value not less than **NA**
 - (2) Two similar works of value not less than **NA**

- (3) one similar work of value not less than **Rs. 41.84 lakh** at price level **2024-25** during last **Five years** i.e. 2020-21, 2021-22, 2022-23, 2023-24, and 2024-25 on page No. 34) (information to be uploaded in statement No. III
- (c) Satisfactorily executed in any one year of last **Five years** for the following minimum quantities of the work in, 2020-21, 2021-22, 2022-23, 2023-24 2024-25 (information to be uploaded in statement No. VI on page No. 37)

1.	Excavation / Earthwork	227.00 Cum
2	Structural Steel Work	11.04 M.T

Note No 1: - Financial turnover and cost of completed works of previous year shall be given linear weightage of 10 % per year on rupee value to bring them at 2023-24 price level.

Note No. 2:- All these uploaded statement / forms shall be filled in and signed properly and correctly. If these forms are found incomplete or filled or wrongly filled, Contractor's envelope No. 2 (financial Bid) will not be opened.

Note -3:- All the uploaded Scanned Copies of the necessary Certificates shall be legible. Non readable uploaded scanned copies shall not be considered.

Note – 4 Uploading of documents in the briefcase does not mean that the documents are available to APMC at the time of Tender Opening stage unless the documents are specifically attached to the bid during the online Bid Preparation and Hash Submission stage as well as during decryption and Re-encryption stage.

(d) Each Contractor should further demonstrate the availability of the following key and critical equipment should be **Owned or hired, as specified** by the contractor and be actually in his possession and available exclusively for this work at the time of submission of tender (**Information is to be uploaded Statement No 2 A on page No. 30**)

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

1.	Fully automatic micro processor PLC with SCADA Reversible drum type mixer / concrete batch mix plant (Pan mixer) + Transit Mixer	1 No. (Owned/Hired)
2.	Truck / Tipper	4 No. (Owned)
3.	Water Tanker	1 No. (Owned/Hired)
4.	Vibrator Roller	1 No. (Owned)
5.	Excavator	1 No. (Owned)

- (e) Availability of a Project Manager for this work with not less than Three years experience in construction of similar type of work and other key personnel with adequate experience as required (Information to be uploaded in **Statement No. 4 on Page No. 33**)
- (f) The Necessary certificates as mentioned in qualification criteria for sr. no. (a) to (c) are required to be obtained from the officer not below the rank of Chairman / Divisional Accounts Officer. In the absence of these certificates, envelope No. 2 (Financial Bid) shall not be opened.
- (g) Bidder who meet the minimum qualification criteria will be qualified only if their available bid capacity is more than the total bid value. The available bid capacity will be calculated as under.
Assessed available bid capacity = $(A \times N \times 2.0) - B$
Where:
A = Maximum value of civil engineering works executed in any one year during the last Five years (updated to 2023-24 price level) taking into account the completed as well as works in progress.
N = Number of years prescribed for completion of the work for which bids are invited.
B = Value, at 2023-2024 price level, of existing commitments and on-going works to be completed during the **next 12 (Twelve)** months (period of completion of the works for which bids are invited).

Note-1-All statements / forms shall be filled in and signed properly and correctly. If these forms / statements found incomplete or wrongly filled the Envelope No. 2 (Financial

bid) will not be opened Even though the bidder meet the above qualifying criteria, they are subject to be disqualified if they have made :-

- ~ Misleading or False representation in the form, statements and attachments submitted in proof of the qualification requirements and/or
- ~ Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history of financial failure etc.

Note – 1 All uploaded scanned copies of the necessary certificates shall be legible. Non readable uploaded scanned copies shall not be considered.

Note -2 - All statements / forms shall be filled in and signed properly and correctly. If these forms / statements found incomplete or wrongly filled the Envelope No. 2 (Financial bid) will not be opened

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

- Misleading or False representation in the form, statements and attachments submitted in proof of the qualification requirements
- Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history of financial failure etc.

Note: - The downloaded Tender Document along with detailed set of conditions issued / additional stipulations (C.S.D.) (if issued) shall be signed by the Intending Tenderer (In the event of Tender being submitted by Firm, it must be signed by the Nominated partner or person holding power of attorney to sign the bid) **submit the same to Division Office before award of work. Along-with Original copy of AFFIDAVIT in format ANNEXURE A and original copy of Integrity Pact which is uploaded in Envelope No.1**

14. Site Visit Report from APMC Shirur Anantpal

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

(e) Envelope No. 2 Tender (Financial Bid)

(1) The Intending Tenderer must quote his offer in form of percentage of Estimated Rates only at the appropriate place provided online.

(8.2) ONLINE Submission:-

- (i) Submission of online Tender Documents {uploading of Formats & Templates} (in Env no.1) shall be followed by Digitally signed Bid Hashes (Seals) within the Tender Time Schedule (Key Dates)
- (ii) Then the Intending Tenderer is required to enter the date and encrypt the data using the DSC.
- (iii) The Hashes are the Thumbprint of electronic Data and are based on one – way algorithm. The Hashes establish the unique identity of Bid Data.
- (iv) The Bid hash values are digitally signed using valid Class – II or Class – III DSC issued any Certifying Authority.
- (v) After the hash value of bid data is generated, the intending Tenderer cannot make any change / additions in his bid data.

Note -

- (a) **As the tenders** are being processed on the Electronic Tender Management System on APMC of Maharashtra, all the provisions of Indian Information Technology Act -2000 (re-enacted) is applicable & binding to all Intending Tenderer, So it is presumed that the contractor gone carefully through the whole tender document Before using his **DSC for quoting Offer**
- (b) The Contractor upload a single document or a compressed file containing documents against each upload able option.
- (c) The Step by step procedure as per system requirement must be followed.

9. Dead line for Submission of Tender

The Engineer-in-Charge may at his discretion extend the deadline for submission of tender by issuing an addendum in which case, all rights and obligations of the APMC and Tenderers previously subjected to the original dead line shall therefore be subjected to new deadline as extended.

10. Submission of Hard Copy of online submitted copy.

Hard Copy of the online submitted Tender & Documents in one copy should be compulsorily submitted within 72 (Seventy Two) hours after Bid Lock in following manner.

(10.1) Documents submitted on line in Envelope No. 1 & 2 are put in separate Envelope as Envelop No. 1 (Technical Bid) and Envelope No. 2 (Financial Bid) respectively and sealed properly.

(10.2) The above two sealed Envelopes No.1 and 2 shall be again put together in one common cover and sealed. The name of work, online tender Notice Number (i.e.SGN) and Name and full address of Tenderer with Mobile Number shall be mentioned on the said common cover marked sealed Common Cover Properly covers corner.

(10.3) The above Common Cover containing Envelope No. 1 & 2 must be submitted to one of the following Office which may suitable to Tenderer within the time and date specified in Tender Schedule Flashed on Web-Site portal on working days **(during office hours)** only.

(1) Chairman, APMC,.

(10.4)No delay on account of any cause will be entertained for the receipt of said Hard Copy..

Note:- In Case of inability to Proceed with the E-Tender due to technical disruption,/Problems, Physical documents should be considered as valid tender. But in any circumstances, the submitted physical documents should not be opened without he prior information of date and time to the concerned.

11. Close for bidding (Generation of Super Hash Values) : After the expiry of the cut off time of Bid Preparation and Hash Submission stage to be completed by the Intending Tenderer has lapsed, the Tender will be closed by the Tender Authority. The Step by step procedure as per system requirement must be followed. The Tender Authority from PWD shall generate and digitally signed the Super Hash values (Seals).

12. Decryption and Re-encryption of Bids (Submitting the Bids online) :- The Intending Tenderers are expected to get themselves fully conversant with the GoM E-Tender System and latest changes therein. However brief details about

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

E-Tender System, it's requirements, necessary procedure regarding purchase of Tender Forms, downloading of Tender Forms, Submission of Tender Documents, quoting offer etc, has been mentioned below;

- (12.1) After the time for generation of Super Hash values by the Tender Authority from PWD has lapsed, And After making online payment towards Fees of Service Provider, the Contractors are required to decrypt their bid data using their DSC and immediately re-encrypt their bid data using the Public Key of the Tendering Authority. The Public Key of the Tendering Authority is attached to the Tender during the Close for Bidding stage.
- (12.2) At this time, the Intending Tenderer are also required to upload the files for which they generated the Hash Vales during the Bid Preparation and Hash Submission stage.
- (12.3) The Bid Data and Documents of only those Intending Tenderer who have submitted their Bid Hashes (Seals) within the stipulated time (as per the Tender Schedule), will be available for decryption and re-encryption and to upload the relevant documents from Briefcase.
- (12.4) A Intending Tenderer who has not submitted his Bid Preparation and Hash Submission stage within the stipulated time will not be allowed to decrypt/ reencrypt the Bid Data / submit documents during the stage of Decryption and Reencryption of Bids (submitting the Bids Online)
- (12.5) The Step by step procedure as per system requirement must be followed.
- 13. Receipt of Tender After Deadline:** The Tenderer will have to carry out their respective tasks within the deadline defined in the Tender Schedule.
- 14. Department will not be responsible,** For non Enrolment and non Empanelment of ETMS, non submitting / uploading tender online due to failure of internet services, or power supply or online submission of Tender Fees of EMD or any other unforeseen or foreseen reasons/causes what-so-ever. No claims on any of the above or any other factors in the regards will not be entertained.
- 15. Opening of Technical Bid (Envelope No. 1) :**
- 15.1** Tenders will be opened as per the Tender Schedule, (if possible) in the presence of such intending Tenderers or his/ their authorized representatives who may be present at that time.

(15.2) Tenders will be opened as per the Tender Schedule,

- (a) All tenders are to be received on-line so Tender Opening Authority not able to know who have submitted tender. Therefore it is not possible to communicate the date and time of Tender opening to Tenderer. Hence it is responsibility of Tenderer remain keep in touch with concerned office to know the date and time of Tender Opening to present for Tender Opening. Therefore all Tender Opening Procedure will be done in the presence of such tenderer who may wish to be present or their representatives. No claim or any grievances will be entertain what-so-ever by the Tender Opening Authority in this regards.
- (b) The Tendering Authority will first open the Envelope – I documents of all Intending Tenderer and after scrutinizing these documents will shortlist the Intending Tenderer who are eligible for Financial Bidding Process. The Short listed Tenderers will be intimated by e-mail.
- (c) The Contents in Envelope No. 1 will be verified by the Tender opening authority to check their validity as per requirements. If any particular document of any tender is either missing or does not meet the requirements as specified above then a above to that effect will be recorded by the tender opening authority at the time of short listing of Envelope – 1.

16. Opening of Financial Bid (Envelope No. 2)

- (16.1)** The Envelope No. 2 of the tenderer whose Envelope No. 1 dose not contain the specified documents or any of the specified document is missing or do not satisfy the requirements, such tenders will be rejected. The Envelope No. 2 of such tender shall not be opened and a note to that effect will be made online at the time of short listing of Envelope -1
- (16.2)** After the analysis and scrutiny of documents and evaluation with respect to Departmental Requirement is over, the tender opening authority shall intimate the date and time of opening of Envelope No. 2 to the Eligible Tenderers. The Envelope No. 1 shall be opened as per tender schedule.
- (16.3)** The Envelope No. 2 of Eligible Tenderers shall be opened serially. The percentage above or below over the estimated cost put to tender by the Department quoted by each Eligible Tenderers shall then be read out by tender

opening authority and shall be reflected online for information of those present /participated.

(16.4) In the case of difference between the rates written in figures and in words, the correct rate will be the one, which is lower of the two

17. Tender Liable for Rejection.

Tender is liable for outright rejection if on opening it is found that –

- (a) If Tenderer has not strictly followed the procedure laid down for submission of tender.
 - (b) If the tender is CONDITIONAL
 - (c) If the Tenderer has quoted his offer anywhere else other than specified place provided.
 - (d) The Tenderer has not uploaded the documents or Failed to fill the templates as stated
 - (e) Any Corrections, modifications, additions, omission or any type of changes in main tender document is not permissible and if it is found or noticed at any stage the tender shall be rejected by forfeiting the Security Deposit.
- 17 (i)** Contractor will be solely responsible and also liable for action under Indian Penal Code for submission of any false information, false bills/ invoice / vouchers of purchase of material in supporting proof of purchase, proof of testing / test results and any other required documents submitted by his staff / representative or by himself or subletting company / contractor during contract period or even after completion of work till finalization of bill and completion of defect liability period.
- 17 (ii)** If false information / documents are submitted as mentioned above, the contractor will be blacklisted and if contract is at initial stage then such contract will be terminated and no any compensation will be payable on any account to the contractor.
- 17 (iii)** PWD Officials / PWD Officers / Divisional Accounts Officer will not be responsible for any complications due to submission of false / fraudulent documents by the contractor as mentioned above.
- 18.** The Contractor will have to sign the tender papers and the drawings C.S.D. according to which the work is to be carried out. He shall also have to give a declaration to the effect that he has fully studied the plans, specifications, local

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

conditions and availability of labour and materials and that he has quoted his rates with due consideration to all these factors. and same shall submit to Division office before award of work.

19. The acceptance of the tender may be intimated to the Contractor telegraphically or **otherwise (even may be by e-mail)** and either by the Officer competent to accept the tender or any authority in the department including APMC and such intimation shall be deemed to be an intimation of acceptance of the tender given by the authority competent to accept the tender.

20. SECURITY DEPOSIT:-

(20.1) The Total Security Deposit to be paid shall **be 5% (Five Percent)** of amount put to tender.

(20.2) The Successful tenderer shall have to pay, half of the Security Deposit preferably in the form of National Saving Certificate or in the form of Bank Guarantee (in the form as prescribed by Govt.) from any Scheduled Bank in favour of **Chairman, APMC**, within 10 days of acceptance of tender, and the balance security deposit will be recovered from running account bills at the percentage as shown in item (d) of the memorandum in printed B-1 form or as may be decided by the Chairman during course of execution of the work looking to the position and circumstances that may prevail, whose orders will be final and binding on the contractor.

(20.3) The Security Deposit for the due performance of the contract shall be as detailed in the tender documents elsewhere. Fifty percent of the Security deposit will have to deposit within ten days of the acceptance of the tender and the Balance Security Deposit will be recovered from the Running Bills at the rates as specified in the tender form on the cost of work as per CSR prevailing at the time of acceptance of tender. Amount of total security deposit to be paid shall be 5% (Five Percent) of the cost of work worked out as per **S.S.R. 2022-23** of respective District.

(20.4) Initial Security Deposit may be in Bank Guarantee form in format on page no.175 to 176 of Tender document for full period of completion of work and it should be extendable upto expiry of valid extension if any, as directed by Engineer-in-charge.

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

(20.5) In the event of the tenderer to pay cash security deposit within 10 days (unless **extended** in writing by the Chairman,) from the date of receipt of notice (sent by Registered Post) of acceptance of his tender, the amount of EMD shall be forfeited to APMC and the acceptance of his tender, shall be considered withdrawn. Except that in the event of the notice of acceptance of the tender not being issued within 60 days of the date of opening of Envelope No. 2 (financial bid). The tenderer shall have the option (to be intimated in writing in good time before the expiry of 60 days period) of withdrawing his tender, in which case the earnest money should be refunded in full. All the tenders shall remain open for acceptance for 60 days from the date fixed for opening of envelope No.2 (financial bid) and thereafter until it is withdrawn by the tenderer by notice in writing as per condition No2 of the Memorandum on

21. Income Tax :-

Income tax @ 2.00 % and surcharge thereon or at the rates amended from time to time as intimated by competent Income tax authority shall be deducted from bill amount, whether measured bills, advance payment or secured advance.

22. GST

GST @ 2 % at the rates as amended from time to time as intimated by competent GST Authority shall be deducted from bill amount, whether measured bills, advance payment or secured advance

23. Insurance:-

As per the Govt. Resolution No. FD/Insurance 1098/cess No. 28/98 dated 19/08/1998 and Director of Insurance Maharashtra, Mumbai letter dated 26/04/2005. Contractor has to submit Govt. insurance policy before starting the work, failing to which an amount equivalent to (1%) one percent of the tendered cost will be recovered from the first Running Account Bill of this work.

- ii) If completion period of work is Extended then period of work Insurance must be renewed extended as per requirement.

24. BUILDING & OTHER CONSTRUCTION WORKERS WELFARE CESS:-

Building & other Construction workers welfare cess @ 1% or at the rates amended from time to time as intimated by the competent authority of Building and other construction workers welfare Act, 1996 shall be deducted from bill amount, whether measured bill, advance payment or secured advance.

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

25. The contractor whose tender is accepted is required to note that no foreign exchange will be released by the Department.
26. The e-notice-inviting tender and shall form part of the tender agreement.
27. The Tendering Authority is interested to make payment of contractor's bill through ECS / NEFT system. For this purpose contractor should open his Bank Account, having core banking facility only.
28. Contractor shall submit a certificate to the effect that, all the payments to the labour / staff are made in bank accounts of staff linked to Unique Identification Number *AADHAR CARD)" The Certificate shall be submitted by the contractor within 60 days from the commencement of contract. If the time period of contract is less than 60 days then such certificates shall be submitted within 15 days from the date of commencement of contract.
29. Tenderer should note that, Tenderer shall quote for the PART-A (i.e. work portion) of Schedule B Items only. The accepted percentage rates shall applicable for PART-A (i.e. work portion) only and not be applicable to the Part-B (i.e. Royalty & Testing charges) of Schedule B.
30. **Integrity Pact**
- (1) Integrity Pact executed on plain paper in the given format only duly signed by Authorised signatory shall be part of the Contract Agreement.
 - (2) Any Corrections, modifications, additions, omission or any type of changes in format given in Tender is not permissible and if it is found at any stage the tender shall be rejected by forfeiting the Security Deposit.
 - (3) Successful Bidder shall submit the Original Copy of the Integrity Pact before award of work to APMC Office.
31. The measurements of work will be taken according to the usual methods in use in the APMC and no proposals to adopt alternative methods will be accepted. The Chairman's decision as to what is "the usual method in use in the APMC" will be final.
32. **E-Billing**
- Contractor shall submit every bill through E-bill system. All the necessary measures for recording measurements and submission of E- Bill shall be taken

by the contractor only with any extra cost to APMC. No claim what-so-ever shall be entertained by the APMC on this ground.

31. Payment of stamp duty

As per article 63 of Bombay stamp (Amendment) Act, 2006 and further amendments in April, 2015 the contractor shall have to pay stamp duty on the value of accepted tender amount as per prevailing rate declared by the APMC of Maharashtra from time to time before work order. The rates quoted by the contractor will deemed to have considered all taxes, duties etc including stamp duty. No separate claim will be entertained on this account by the Employer. The stamp duty has to be paid on GRAS online/eSBTR through net banking or any other medium as per the direction of the APMC in this regard.

As per article 63 of the bombay stamp act. the stamp duty is payable as per the following rates which is payable and mandatory for the execution of the contract before the work order.

1] For the work having contract price upto Rs. 10,00,000-- Rs. 500/-

2] For the work having contract price above Rs. 10,00,000/- Rs. 500/- + 0.10 % of amount in excess of Rs. 10,00,000/-

32. GST : (1) For GST charges on Royalty and material testing, the receipt of payment of GST charges on royalty and testing charges shall be submitted by the contractor at the time of bill Payment and amount will be reimbursed to the contractor accordingly.

33. Attendance in Pre-Bid meeting arranged by APMC is compulsory. The bidder who fails to attend pre bid meeting, the technical bid of such bidder will not be opened and will be granted as disqualified in bidding process.

ANNEXURE – A
Affidavit
(on Rs. 100/- Stamp Paper)

I..... age address

.....(Authorized signatory to sign the contract) hereby submit, vide this affidavit in truth, that I am the owner of the contracting firm..... / authorized signatory and I am submitting the documents in envelope no.1 for the purpose of scrutiny of the contract. I hereby agree to the conditions mentioned below:-

1. That I have submitted on line Tender for the work.....(Name of work)..... on portal <http://mahatenders.gov.in>
2. That I have carefully gone through, read thoroughly studied and understood all terms & condition, specification included in the tender document (Tender Form, Detail Tender Notice, conditions and specification common set of Deviations drawings etc.) I hereby accept all these conditions, I agree to abide by the terms & condition in the tender document and agree to execute the work as per terms and conditions, specifications laid down in the tender document.
3. That I have Furnished EMD (Earnest Money Deposit) from the Bank Account in the name of my firm only.
4. I do here by state on oath that the documents uploaded by in Envelope No. 1 of this tender are true, correct and bonafied, There are no errors and omissions in the uploaded documents.
5. I do here by state on oath that the value of work in hand (value of –B) is accurate on the date of submission of this tender. If in the future it is found wrong or misleading, I am liable for action under Indian Penal Code if any papers are found false/fraudulent during contract period and even after the completion of contract
6. I am liable for action under Indian Penal Code for submission of any false / fraudulent paper / information submitted in envelope no. 1.
7. The undersigned also hereby certifies that neither our firm M/s/ Shree..... have abandoned any work on Building/Bridges/Roads etc a nor any contract awarded to us for such works have been rescinded, during last five years prior to the date of this bid.
8. The undersigned hereby authorize (s) and request(s) any bank, person, firm or corporation to furnish pertinent information deemed necessary and requested by the Department to verify this statement or regarding my (our) competence and general reputation.

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

9. The undersigned understand and agrees that further qualifying information may be requested, and agrees to furnish any such information at the request of the Department! Project implementing agency.

10. I am neither associated, nor has been associated, directly or indirectly, with the Consultant or any other entity that has prepared the design, specification, and other documents for the Project or being proposed

11. I am liable for action under Indian Penal Code if during contract period and defect liability period, any any false information, false bill of purchases supporting proof of purchase, proof of testing submitted by my staff, subletting company or by myself, I will be liable for action under Indian Penal Code.

12. I am liable for action under Indian Pental Code if any paper are found false / fraudulent during contract period and even after the completion of contract (finalization of final bill).

13. I/we, hereby solemnly agree that, I/we have willingly entered into the contractor with Public Works Department, Government of Maharashtra for the work of (Name of work) for the said work, I/we am/are buying the required quantired quantity of asphalt having stipulated specifications from the refinery of IOC/HP/BP, I/we also aware of the fact after receiving the said quantity of asphalt from the refinery, it is mandatory upon me to deposit the original copy / copies of challan of asphalt in the office of Chairman in charge of the work this work or his authorised officer, I/we also agree that if I fail to produce sufficient documentary evidence i.e. original copy / copies of challan for the purchase of asphalt, I will be totally held responsible for this non complaince & in such a case I will be responsible for any actions which the department may deem fit to impose on me/us, or legal proceedings as per prevailing law.

Hence this Affidavit.

Place :-

Date :-

Signature of Contractor

(Signed by an Authorised Officer of the Firm)

[The Scanned copy of above AFFIDAVITS should be uploaded in Envelope No. 1 And The Original Copy of the Bond of the above affidavit should be submitted when demanded by this office or before award of work to Concerned Division Office]

Statement No. I**Statement of List of Works in Hand and works Tendered for as on Last date of submission of Submission this tender**

Name of Contractor : _____

1 Works in Hand

Sr No	Name of Work	Agreement No.	Tendered Amount	Date of commencement	Stipulated date of Completion	Value of Work already done	Value of balance Work	Value of balance Work to executed in next 12 months.	Probable Date of Completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
..... Sample Form										

(B) Works Tendered For

Sr. No.	Name of Work	Name and address of client	Tendered Amount	Time Limit	Probable Date when decision is expected	Other relevant details if any
1	2	3	4	5	6	7
..... Sample Form						

Note : Details are to be uploaded in this format in envelope -1 duly signed.

Signature of Contractor

Chairman

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

Statement No. II

Details of Plants and machinery immediately owned and available
with the tendered for this work

Name of Contractor : _____

Sr. No.	Name of Equipment	No. Of Units	Kind and Make	Capacity	Age & Condition	Present Location	Remarks
1	2	3	4	5	6	7	8
<p>.....Sample Form.....</p>							

Signature of Contractor

Note -1 : Details are to be uploaded in this format in envelope -1 duly signed.

Note -2 : Please attach the documentary proof of ownership of the machinery by the concerned company.

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

STATEMENT NO. 2 [A]
(To be included in envelope No.1)

(A) QUESTIONNAIRES OF MACHINERY: -

Performa for information regarding availability / Procurement of machinery required for this work.

1.	Fully automatic micro processor PLC with SCADA Reversible drum type mixer / concrete batch mix plant (Pan mixer) + Transit Mixer	1 No. (Owned/Hired)
2.	Truck / Tipper	1 No. (Owned/Hired)
3.	Water Tanker	1 No. (Owned/Hired)
4.	Vibrator Roller	1 No. (Owned/Hired)

Question – 1

Is the above machinery owned by you and available with you for immediate deployment of this work ?

If 'yes' please attache the documentary proof of ownership of above machinery & upload information in this sample form.

<i>Type of machine</i>	<i>No. of Units</i>	<i><u>Names of work on which deployed at present</u></i>	<i>Lactation</i>	<i>Out-Put</i>	<i>Work in Hand</i>
------------------------	---------------------	--	------------------	----------------	---------------------

----- sample form -----

Note :

- 1) The life of new machinery will be considered as 15 Years.
- 2) There will no need of fitness certificate from SE (Mechanical) for first 10 Years.
- 3) After 10th year the machinery shall be checked and certified for its fitness by SE Mechanical / ACE (Mechanical) every year till the 15th years.
- 4) After the 15th year, the contract or will get machinery certified every year from SE / ACE (Mechanical) and produce the certificate of fitness. The Certificate will be required for machinery where it is necessary and not issued by RTO .
- 5) In respect of Hired Machinery tender must upload the scanned copy of original Agreement on appropriate stamp paper executed for hired with the company who possess the said machinery along with the documentary proof of ownership who owned the machinery in envelope No.1
- 6) If the above mentioned machinery in respect Sr. No. 1 Annexure – I is less than 6 years old then tenderer shall have to upload the certificate regarding SCADA either from Automation Manifold Service Pvt. Limited Nagpur or Vasundhara IT Pvt. Ltd. Pune in lieu of certificate of Assistant Chief Engineer (Mechanical) in all other cases tenderer have to upload certificate of Assistant Chief Engineer

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

(Mechanical) regarding SCADA . In the absence of these certificate , the Envelope No.2 (Financial bid) shall not be opened.

Condition Regarding Machinery

1) If the Machinery is not more than 6 years old, the contractor has to provide TAX invoice (VAT or GST as the case may be) and the transaction details of the purchase of the said machinery i.e.

bank statement or bank pass book, No Dues documents in this regard will be considered.

2) In the case of pre-owned machinery i.e. purchase / procured from another owner/ user of the machinery, scanned copy of following documents shall be attached.

(a) Proof of Ownership of Previous Owner ie. Tax Invoice / Transfer Agreement.

(b) Sale Agreement of Machinery.

Note:-The Contractor shall submit only those documents which are required/ asked in the tenderdocuments, Uploading of unnecessary attachments with the tender should be avoided.

Statement No. III

Details of Works of Similar Type and magnitude carried out by the Contractor last Five
Years

Name of Tenderer :

Sr. No.	Name of Work	Name and address of organization for whom the work was done	Place and Country	Agreement No. and Date	Date of commencement	Tendered cost	Total cost of work done	Date of completion	Remarks (Principal feature as in brief)
1	2	3	4	5	6	7	8	9	10
<p>.....Sample Form.....</p>									

Note -1 : Details are to be uploaded in this format in envelope -1 duly signed.

Note-2 : Please attach documentary proof certified by the Engineer-in-charge not below the rank of Chairman.

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

Statement No. IV

Statement showing Technical Personnel available with the contractor, which can be speared exclusively for this work.

Name of Tenderer : _____

Sr. No.	Name of Person	Qualification	Whether working in field of office	Experience of execution of similar works	Period for which person is working with the tenderer	Remarks
1	2	3	4	5	6	7
<p>----- Sample Form -----</p> <p style="text-align: right;">Signature of Contractor</p>						

Note-1 : Details are to be uploaded in this format in envelope -1 duly signed.

Note-2 : Please attach documentary evidence.

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

Statement No. V

Statement showing work done in all classes of civil Engineering

Construction works during last Five years

i.e. 2019-20,2020-21,2021-22, 2022-23, 2023-24

Name of Contractor: _____

Sr. No.	Name of Division	Amount Put to tender / tendered cost	Agreement No.	Date of Commencement of work	Amount of work done during each of last Five years.					Amount of Work still remaining to be executed	Remarks
					2019-2020	2020-2021	2021-2022	2022-2023	2023-2024		
					8	9	10	11	12		
1	2	3	4	5	8	9	10	11	12	13	14
..... S A M P L E F O R M											

Out word No. and date of certificate issuing Authority

Note : Details are to be uploaded in this format in envelope -1 duly signed.

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

Statement No. VI

Statement showing quantities of work executed in during last Five Years
(i.e. 2019-20,2020-21,2021-22, 2022-23, 2023-24)

Sr. No.	Name of work	Year	Agreement No.	Quantity of work performed					Remarks (Indicate concrete reference)
				Cement concrete work M-20 grade and above	Fly Ash Brick	Plastering	Flooring / Tiles	Any paint	
1	2	3	4	5	6	7	8	9	10
		2019-20							
		2020-21							
		2021-22							
		2022-23							
		2023-24							
		Total							

Note -1 : Details are to be uploaded in this format in envelope -1 duly signed.

Signature of Contractor

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

INTEGRITY PACT

Between

APMC

having its Office at , Dist-Latur.

Here in after refered to as

“APMC ”

and

[Insert the name of the sole Bidder / Lead Partner of Joint Venture]

Having its Registered Office at

[Insert full Address]

and

[Insert the name of the partner[s] of Joint Venture, as applicable

Having its Registered Office at

[Insert full Address]

Hereinafter referred to as

“The Bidder / Contractor”

Preamble

APMC intends to award, under laid – down organizational procedures contractors for (Inset the name of the package)

APMC Values full compliance with all relevant laws and regulations, and the principles of economical use of resources, and of fairness and transparency in its relations with its Bidders/Contractors.

In order to achieve these goals, APMC and the above named Bidder/Contractor enter into this agreement called ‘Integrity Pact’ which will form a part of the bid.

It is hereby agreed by and between the parties as under:

Signature
(For & on behalf of APMC) (For & on behalf of Bidder

Signature
Partners of Joint Venture/
Contractor

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

Section I – Commitments of APMC

- (1) APMC commits itself to take all measures necessary to prevent corruption and to observe the following principles:
- a) No employee of APMC, personally or through family members, will in connection with the tender, or the execution of the contract, demand, take a promise for or accept, for him/herself or third person, any material or other benefit which he/she is not legally entitled to.
 - b) APMC will during the tender process treat all Bidder(s) with equity and fairness. APMC will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
 - c) APMC will exclude from evaluation of Bids its such employee(s) who has any personnel interest in the Companies/Agencies participating in the Bidding/Tendering process
- (2) If APMC obtains information on the conduct of any employee of APMC which is a criminal offence under the relevant Anti-Corruption Laws of India, or if there be a substantive suspicion in this regard, he will inform its Chief Vigilance Officer and in addition can initiate disciplinary actions under its Rules.

Section II – Commitments of Bidder/Contractor

- (1) The Bidder/Contractor commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution:

Signature
(For & on behalf of APMC) (For & on behalf of Bidder

Signature
Partners of Joint Venture /
Contractor

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

- a) The Bidder/Contractor will not, directly or through any other person or firm, offer, promise or give to APMC, or to any of APMC'S employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange an advantage during the tender process or the execution of the contract.
- b) The Bidder/Contractor will not enter into any illegal agreement or understanding, whether formal or informal with other Bidders/Contractors. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or actions to restrict competitiveness or to introduce cartelization in the bidding process.
- c) The Bidder/Contractor will not commit anti criminal offence under the relevant Anti-corruption Laws of India, further, the Bidder/Contractor will not use for illegitimate purposes or for purposes of restrictive competition or personal gain, or pass on to others, any information provided by APMC as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- d) The Bidder/contractor of foreign origin shall disclose the name and address of the Agents/representative in India, if any, involved directly or indirectly in the Bidding, Similarly, the Bidder/Contractor of Indian Nationality shall furnish the name and address of the foreign principals, if any, involved directly or indirectly in the Bidding.
- e) The Bidder/Contractor will, when presenting his bid, disclose any and all payments he has made, or committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract and/or with the execution of the contract.
- f) The Bidder/Contractor will not misrepresent facts or furnish false/forged documents/information in order to influence the bidding process or the execution of the contract to the detriment of APMC.

Signature
(For & on behalf of APMC) (For & on behalf of Bidder

Signature
Partners of Joint
Venture / Contractor

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

- (2) The Bidder/Contractor will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section III – Disqualification from tender process and exclusion from future contracts

- (1) If the Bidder, before contract award, has committed a serious transgression through a violation of Section II or in any other form such as to put his reliability or credibility as Bidder into question, APMC may disqualify the Bidder from the tender process or terminate the contract, if already signed, for such reason.
- (2) If the Bidder/Contractor has committed a serious transgression through a violation of Section II such as to put his reliability or credibility into question, APMC may after following due procedures also exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the circumstances of the case, in particular the number of transgressions, the position of the transgressors within the company hierarchy of the Bidder/Contractor and the amount of the damage. The exclusion will be imposed for a minimum of 12 months and maximum of 3 years.
- (3) If the Bidder/Contractor can prove that he has restored/recouped the damage caused by him and has installed a suitable corruption prevention system, APMC may revoke the exclusion prematurely.

Section IV – Liability for violation of Integrity Pact

- (1) If APMC has disqualified the Bidder from the tender process prior to the award under Section III, APMC may forfeit the Bid Guarantee under the Bid.
- (2) If APMC has terminated the contract under Section III, APMC may forfeit the Contract Performance Guarantee of this contract besides resorting to other remedies under the contract.
- (3) If contractor fails to pay Royalty charges, Testing charges, GST, Labour Insurance charges APMC will retain the amounts and will be released on certificate from PMC.
- (4) The electrification will be preferably solar system as per circulars of Director of marketing and Govt. Of Maharashtra RESCO/PPP model On financial provisions in Govt. Resolution/Administrative approval. Contractor will provide underground pipes as per direction of PMC.

Signature
(For & on behalf of APMC) (For & on behalf of Bidder

Signature
Partners of Joint Venture
/Contractor

Section V – Previous Transgression

- (1) The Bidder shall declare in his Bid that no previous transgression occurred in the last 3 years with any other Public Section Undertaking or APMC Department that could justify his exclusion from the tender process.
- (2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section VI – Equal treatment to all Bidders/Contractors

- (1) APMC will enter into agreements with identical conditions as this one with all Bidders.
- (2) APMC will disqualify from the tender process any bidder who does not sign this Pact or violate its provisions.
- (3) Bills of contractor will released as per items executed and Payments of GST, Labour Insurance, Royalty etc. Will be released on certificate of PMC.
- (4) Electrification will be as per circulars of Director of Marketing and Govt. For Solar System on RESCO basis. Contractor should provide under ground pipe lines as Directed by PMC.

Section VII – Punitive Action against violating Bidders/Contractors

If APMC obtains knowledge of conduct of a Bidder or a Contractor or his subcontractor or of an employee or a representative or an associate of a Bidder or Contractor or his Subcontractor which constitutes corruption, or if APMC has substantive suspicion in this regard, APMC will inform the Director, Marketing Pune

(*) Section VIII – Independent External Monitor/Monitors

If required APMC will appoint third party QC testing

Signature
(For & On behalf of APMC) (For & on behalf of Bidder

Signature
Partners of Joint Venture/
Contractor

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

41

NIL

Section IX – Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor after the closure of the contract and for all other Bidder's six month after the contract has been awarded.

Section X – Other Provisions

- (1) This agreement is subject to Indian Law Place of performance and jurisdiction is the establishment of APMC. The Arbitration clause provided in the main tender document / contract shall not be applicable for any issue / dispute arising under Integrity Pact.
- (2) Changes and supplements as well as termination notices need to be made in writing.
- (3) If the Contractor is a partnership firm or a consortium or Joint Venture, this agreement must be signed by all partners, consortium members and Joint Venture partners.
- (4) Nothing in this agreement shall affect the rights of the parties available under the General Conditions of Contract (GCC) and Special Conditions of Contract (SCC)
- (5) Views expressed or suggestions/submissions made by the third parties and the recommendations of the in respect of the violation of this agreement, shall not be relied on or introduced as evidence in the arbitral or judicial proceedings (arising out of the arbitral proceedings) by the parties in connection with the disputes / differences arising out of the subject contract.

Signature
(For & On behalf of APMC) (For & on behalf of Bidder

Signature
Partners of Joint Venture/
Contractor

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

- (6) Should one-or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

(Signature)
(For & On behalf of APMC)

(Signature)
(For & On behalf of Bidder/Partner
Of Joint Venture/Contractor)

(Office Seal)

(Office Seal)

Name: -

Name:-

Designation:-

Designation:-

Witness 1:-

Witness 1:-

(Name & Address)

(Name & Address)

Witness 2:-

Witness 2:-

(Name & Address)

(Name & Address)

FORM B-1**PERCENTAGE RATE TENDER AND CONTRACT FOR WORK****DEPARTMENT : APMC**

NAME OF WORK - Proposed Construction of Shetkari Bhavan in A.P.M.C
Campus Shirur Anantpal For A.P.M.C , Tal- ,
Dist-Latur. Building

GENERAL RULES AND DIRECTION FOR THE GUIDANCE OF
CONTRACTORS.

1. All works proposed to be executed by contract shall be notified in a form of invitation to tender pasted on a board hung up in the office of the **Chairman, APMC**, and signed by the **Chairman APMC**, . This form will state the work to be carried out as well as the date for submitting and opening tenders and the time allowed for carrying out the work, also the amount of earnest money to be deposited with the tender, and the amount of the security deposit to be deposited by the successful tenderer and the percentage, if any, to deducted from bill. Copies of the specification, designs and drawings estimated rates, scheduled rates and any other documents required in connection with the work shall be signed by the Chairman during office hours.
- 2 In the event of the tender being submitted by a firm it must be signed separately by each partner thereof, and in the event of the absence of any partner, it shall he signed on his behalf by a person holding a power of attorney authorising him to do so.

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

- 2(A) i** The contractor shall pay online only along with the tender the sum of **Rs. 1,41,000/- (Rupees One lakh Fourty One Thousand Only)** as and by way of earnest money by forwarding along with the tender the said amount of earnest money shall not carry any interest whatsoever.
- ii)** In the event of his tender being accepted subject to the provisions of sub clause (iii) below, the said amount of earnest money shall be appropriated towards the amount of security deposit payable by him, under conditions of General conditions of contract.
- iii)** If, after submitting the tender, the contractor withdraws his offer, or modifies the same or if after the acceptance of his tender the contractor fails or neglects to furnish the balance of security deposit without prejudice to any other right and powers of the APMC, hereunder, or in law, APMC shall be entitled to forfeit the full amount of the earnest money deposited by him.
- iv)** In the event of his tender not being accepted, the amount of earnest money deposited by the contractor, shall unless it is prior thereto forfeited under the provision of sub-clause(iii) above, be refunded to him on his passing receipt therefore.
- 3** Receipts for payments made on account of any work , when executed by a firm shall also be signed by all the partners except where the contractors are described in their tender as a firm , in which case the receipt shall be signed in the name of the firm by one of the partners or by some other person having authority to give effectual receipts for the firm.
- 4.** Any person who submits a tender shall fill- up the usual printed form stating at what percentage above or below the rates specified in scheduled 'B' (Memorandum showing items of work to be carried out)he is willing to undertake the work. Only one rate or

such percentage on all the Estimated rates/Schedule rates shall be named. Tenders which proposed any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work , or which contain any other conditions, of any sort will be liable to rejection. No printed form of tender shall include a tender for more than one work, but if contractor who wish to tender for two or more works ,they shall submit a separate tender for each . tender shall have the name and number of the work to which the refer, written outside the envelope.

5. The Chairman, APMC.or his duly authorised assistant shall open tenders. In the event of a tender being accepted, the contractor shall, for the purpose of identification, sign copies of the specifications and other documents mentioned in Rule 1.In the event of tender being rejected, the Divisional Officer shall authorise the Treasury officer/Bank concerned to refund the amount of the earnest moneydeposited, to the contractor making the tender, on his giving a receipt for the return of the money.
The officer competent to dispose off the tenders shall have the right of rejecting all or any of the tenders.
6. No receipt for any payment, alleged to have been made by a contractor in regard to any matter relating to this tender or the contract, shall be valid and binding on APMC unless it is signed by the Chairman.
7. The memorandum of work to be tendered for and the schedule of materials to be supplied by the APMC and their rates shall be filled in and complete by the office of the Chairman before the tender form is issued. If a form issued to an intending tenderer has not been so filled in and complete he shall request the said office to have this done before he completes and delivers this tender.
- 9 All work shall be measured net by standard measure and according to the rules and customs of the APMC and without reference to any local custom.

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

10. Under no circumstances shall any contractor be entitled to claim enhanced rates for any item in this contract.
11. Every registered contractor should produce along with his tender certificates of registration as approved contractor in the appropriated class and renewal of such registration with date expiry. (Copies to attested by a Gazetted Officers.)
12. All correction and additions or pasted slips should be initialed.
13. The measurements of work will be taken according to the usual methods in use in the APMC and no alternative methods will be accepted. The Chairman's decision as to what is "the usual method in use in the APMC" will be final.
14. In view of the difficult position regarding the availability of foreign exchange, no foreign exchange would be released by the Department for the purchase of plant and machinery required for the execution of the work contracted for.
15. The contractor will have to construct shed / godown for storing controlled and valuable materials brought by him at work site at contractor's cost.
16. The tendering contractor shall furnish a declaration along with the tender showing all works for which he has already entered into contract and the value of the work that remains to be executed in each case on the date of the submitting the tender(with certificate from the head of the office concerned).
17. **DELETED**
18. Successful tenderer will have to produce to the satisfaction of the accepting authority a valid and current licence issued in his favour under the provision of Contract Labour (Regulation and Abolition) Act 1970 before starting work, failing which acceptance of the tender will be liable for withdrawal and earnest money will be forfeited to APMC.
19. The contractor shall comply with the provision of the Apprentices Act. 1961 and the rules and orders issued there under from time to time. If he fails to do so his failure will be breach of the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the Act.

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

TENDER FOR WORKS

I / we hereby tender for the execution for the Governor of Maharashtra (here-in-before and hereinafter referred to as "APMC") of the work specified in the under written memorandum within the time specified in such memorandum **at the rate quoted by me for Part A of Schedule B only at specified place provided online in envelope No. (E-2)** percent below/above the estimated rates entered in Schedule –B (Memorandum showing items of work to be carried out) and in accordance in all respects with the specifications, designs, drawings, and instructions in writing referred to in Rule 1 hereof and in Clause 12 of the annexed conditions of contract and agree that when material for the work are provided by the APMC such materials and therates to be paid for them shall be as provided in Schedule `A' hereto

Note: Tenderer should note that, Tenderer shall quote for the PART-A (i.e. work portion of Schedule B Items only. The accepted percentage rate shall applicable for PART-A (i.e. work portion) only and not be applicable to the Part B (i.e. Royalty & Testing charges) of Schedule B.

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

MEMORANDUM

a)	If several Sub-works are included they should be detailed in a separate list.	1. a)	General Description		
			Proposed Construction of Shetkari Bhavan in A.P.M.C Campus Shirur Anantpal For A.P.M.C , Tal i, Dist-Latur.		
c)	The amount of earnest money to be deposited shall be in accordance with the G.R. Dated 27/09/2018	(b)	Estimated Cost	Rs.	1,40,98,997/-
		(c)	Earnest Money	Rs.	1,41,000/-
d)	This deposit shall be in accordance with the G.R. Dated 27/09/2018	(d)	Security Deposit		
		(i)	FDR (Not less than the amount of earnest money)	Rs.	3,51,225/-
		(ii)	To be deducted from current bills	Rs.	3,51,225/-
			Total Rs.		7,02,550/-
e)	This percentage where no security deposit is taken will vary from 5% to 10 % according to the requirement of the case where security deposit is taken see note to clause I of conditions of contract.	(e)	Percentage, if any to be deducted from bills so as to make up the total amount required as security deposit by the time, the half the work as measured by the cost, is done		
f)	Give Schedule where necessary showing dates by which the various items are to be completed	f)	Time allowed for the from date of written order to commence is of 12 (Twelve) months(Including Monsoon season)		

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

2) I / We agree that this offer shall remain open for acceptance for a minimum period **of 60 days** from the date fixed for opening the "same" means envelope No.2 and thereafter until it is withdrawn by me/us by notice in writing duly addressed to the authority opening the tenders and sent by registered post A. D. or otherwise delivered at the office of such authority.

“representing the earnest money is herewith forwarded. The amount of earnest money shall not bear interest and shall be liable to be forfeited to the APMC should I/We fail to (i) abide by the stipulation to keep the offer open for the period mentioned above or

(ii) Sign and complete the contract documents as required by the Engineer and furnish the security deposit as specified in item (d) of the memorandum contained in paragraph (i) above within the time limit laid down in Clause (1) of the annexed General conditions of contract. The amount of earnest money may be adjusted towards the security deposit or refunded to me/us if so desired by me/us in writing, unless the same or any part thereof has been forfeited as aforesaid.

4) Should this tender be accepted I / We here by agree to abide by and fulfil all the terms and provisions of the conditions of contract annexed hereto so far as applicable, and in default thereof to forfeit and pay to Govt. the sums of money mentioned in the said conditions.

<p>Signature of Contractor before submission of tender</p>	<p>@ Contractor Address..... </p>
<p># Signature of witness to contractor's signature.</p>	<p>Date the the day of..... 20 # (witness) Address (Occupation)</p>

The above tender is hereby accepted by me for and on behalf of the Governor of Maharashtra.

.....

Chairman,
APMC,

i) Signature of the officer by whom accepted

Dated Day of..... 20.....

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

CONDITIONS OF CONTRACT**Security
deposit**

CLAUSE 1 : The person / persons whose tender may be accepted (hereafter called the contractor which expressions shall unless excluded by or repugnant to the context include his heirs executors, Administrators, and assigns) shall (A) within 10 days (which may be extended by the Chairman, APMC or the PMC Engineer concerned up to one month/two month / three months respectively. If the Chairman/APMC/ Chief Engineer thinks fit to do so) of the receipt by him of the notification of the acceptance of his tender deposit with the Chairman(if deposited for more than 12 months) of sum sufficient which will make up the full security deposit specified in the tender or (B) Permit APMC at the time of making any payment to him for work done under the contract to deduct such sum as will amount to * **One percent** of all moneys so payable such deduction to be held by APMC by way of security deposit. Provided always that in the event of the contractor depositing a lump sum by way or security deposit as contemplated at (A) above then and in such case if the sum so deposited shall not amount to * **One percent** of the total estimated cost of the work it shall be lawful for APMC at the time of making any payment to the contractor for work done under the contract to make up the full amount of , * **One percent** , by deducting a sufficient sum from every such payment as last aforesaid until the full amount of the security deposit is made up. All compensation or other sums of money payable by the contractor to the APMC under the terms of his contract may be deducted from, or paid by the sale of a sufficient part of his security deposit of from interest arising there from, or from any sums which may be due or may become due by APMC to the contractor under any other contract or

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

transaction of any nature on any account whatsoever and in the event of his security deposit being reduced by reason of any such deduction or sale as aforesaid, the contractor shall within 10 days there after make good in cash or APMC securities endorsed as aforesaid any sum or sums which may have been deducted from all raised by sale of his security deposit or any part there of. The security deposit referred to when paid in cash, may at the cost of the depositor, be converted into the interest bearing securities provided that the depositor has express by desired this in writing. If the amount of the security deposit referred to when paid in cash may at the cost of the depositor, be converted into the interest bearing securities provided that the depositor has expressly desired this in a lump sum within the period specified at (A) above is not paid, the tender/contract already accepted shall be considered as cancelled and legal steps taken against the contractor for the recovery of the amounts. The amount of the Security deposit lodged by a contractor shall be refunded along with the payment of the final bill, if the date up to which the contractor has agreed to maintain the work in good order is over, if such date is not, over only **50** percent amount of security deposit shall be refunded along with the payment of the final bill. The amount of the security deposit retained by the APMC shall be released after expiry of period up to which the contractor agreed to maintain the work in good order is over. In the event of the contractor failing or neglecting to complete rectification work within the period up to which the contractor has agreed to maintain the work in good order then, subject to provisions of clauses 17 and 20 hereof the amount of security deposit retained by APMC shall be adjusted towards the excess cost incurred by the Department on rectification work.

The amount retained toward defect liability period in pursuant to clause 20 shall not be in the form of Bank Guarantee.

Note : This will be the same percentage as that in the tender at (e)

**Compensation
For delay**

CLAUSE – 2 : 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 order to commence work is given to the contractor. The work shall through out the stipulated period of the contract be proceeded with all due diligence and the contractor shall pay compensation an amount equal to one percent or such similar amount as the APMC(whose decision in writing shall be final) may decide, of the amount of the estimate cost of the whole work as shown by the tendered for every day that the work remains uncompleted or unfinished after the proper dates. And further to ensure good progress during execution of the work, the contractor shall be bound, in all cases in which the time allowed for any work exceeds one month to complete. The contractor should complete the work as per phase period given below.

1/4 of the work in 1/4 of the time

1/2 of the work in 1/2 of the time

3/4 of the work in 3/4 of the time

full of the work in full of the time

[Full work will be completed in **12 (Twelve) Months** including monsoon.]

In the event of the contractor failing to comply with this, conditions he shall be liable to pay as compensation an amount equal to one percent or such smaller amount as the APMC(whose decision in writing shall be final) may decide of the said estimated cost of the whole work for every day that the due quantity of work remains incomplete. Provided

always that the total amount of compensation to be paid under the provision of this clause shall not exceed 10 % of the estimated cost of the work as shown in tender.

**Action when
Whole security
deposit is
Forfeited**

CLAUSE -3 : In any case in which under this any Clause or clauses of this contract the contractor shall have rendered himself liable to pay compensation Amounting to the whole of his security deposit (whether paid in one sum or deducted by installments) or in the case of abandonment of the work owing to serious illness or death of the contractor or any other cause to Chairman on behalf of the APMC of Maharashtra shall have power to adopt any of the following courses as he may deem best suited to the interest of APMC.

a) To rescind the contract (for which rescission notice in writing to the contractor under the hand of the Chairman, shall conclusive evidence) and in the case the Security deposit of the contractor shall stand forfeited and be absolutely at the disposal of APMC.

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 unexcited 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 Chairman as to the costs and other allied expenses so incurred and as to the value of

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

the work so done departmentally shall be final and conclusive against the contractor.

c) To order that the work of the contractor be measured up and to take such part thereof as shall be unexecuted out of his hands and to give it to another contractor to complete in which case all expenses incurred on advertisement for fixing a new contracting agency, additional supervisory staff including the cost of work charged establishment and the cost of the work executed by the new contract agency will be debited to the contractor and the 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 Chairman, as to all the cost of the work and other expenses incurred as aforesaid for or in getting the unexecuted 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 work therefore actually performed by him under this contract unless and until the Chairman, shall have certified in writing the performance of the 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 the amount of excess shall

be deducted from any money due to the contractor by APMC under the contract or other wise. However or from his security deposit or the sale proceeds thereof provided however that the contractor shall have no claim against APMC 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 Chairman, the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials, or entered into any engagements, or made any advances on account of or with a view of the execution of the work or the performance of the contract.

**Action when
the progress of
any particular
portion of the**

CLAUSE – 4: If the progress of any particular portion Of the work is unsatisfactory the Chairman, Shall not with standing that the general progress of the Work is in accordance with the conditions mentioned In clause 2 be entitled to take action under clause 3 (b) after giving the contractor 10 days notice in writing. The contractor will have no claim for compensation for any loss sustained by him owing to such action.

**Power to
take
possession
of or require
removal or
sell
contractor's
plant**

CLAUSE – 5 : In any case in which any of the powers Conferred upon the Chairman, by clauses 3 And 4 hereof shall have become exercisable and the Same shall not have been exercised the non exercise Thereof shall not constitute a ver of any of the Conditions hereof and such powers shall not with Standing is exercisable in the event of any further case of default by the contractor for which under any clause or clauses hereof he is declared liable to pay compensation

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

**Contractor
remains liable to
pay
compensation if
action not taken
under clause 3 &**

amounting to the whole of his security deposit and liability of the contractor for past and future compensation shall remain unaffected. In the event of the Chairman, taking action Under sub clause (a) or (c) or clause-3 he may, if he So desires, take possession of all or any tool and Plant, materials and stores in or upon the works or the 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 Chairman, whose certificate there of shall be final. In the alternative, the Chairman, may, after giving notice in writing to the contractor of his clerk of the work, foreman or other authorized agent require him to remove such tools plant, 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 Chairman, may remove them at the contractor's expenses for sale them be auction or private sale on account of the contractor and at his risk in all respect and the certificate of the Chairman, as to the Expenses of any such removal and the amount of the proceeds and expenses of the proceeds and expenses of any such sale shall be final and conclusive against the contractor.

Extension of time

CLAUSE-6: If the contractor shall desire an extension of the time for completion of work on the ground of his having been unavoidably hindered in its execution or on any other ground he shall apply in writing to the Chairman, before the expiration of the period stipulated in the tender or before the expiration of 30

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

days from the date on which he was hindered as aforesaid or on which the cause for asking for extension occurred whichever earlier ever and the Chairman, may with prior approval of the authority component to accept the tender if in his opinion, there are reasonable grounds for granting an extension. Grant such extension as he thinks necessary or proper. The decision of the Chairman, in this matter shall be final.

**Final
certificate**

CLAUSE-7: On the completion of the work the contractor shall be furnished with a certificate by the Chairman, (hereinafter called the Engineer- In charge) of such completion, but no such certificate shall be given nor shall the work be considered to be complete until the contractor shall have removed from the premises on which the work shall have been executed, all scaffolding, surplus materials and rubbish, and shall have cleaned off, the dirt from all wood work, doors windows walls floors or other parts of any building in or upon which the work has been executed, or of which he may have until the work shall have been measured by the Engineer-in-charge or where the measurements have been taken by his subordinates until they have possession for the purpose of executing the works, not until the work shall have been measured to the Engineer in charge or where the measurement have been taken by his sub-ordinates until they have received the approval of the Engineer-in-charge the said measurements being binding and conclusive against the contractor. If the contractor shall fail to comply with the requirements of his clause as to the removal of scaffolding surplus materials and rubbish and cleaning of the dirt on or before the date fixed for the completion of the work the Engineer-in-

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

charge may at the expense of the contractor remove such scaffolding, surplus materials and rubble and dispose off the same as he thinks fit and clean off such dirt as aforesaid and the contractor shall forthwith pay the amount of all expenses so incurred, but shall have no claim in respect of any such scaffolding or surplus materials as except for any sum actually realized by the sale thereof.

**Payment on
intermediate
certificate to be
regarded as
advance**

CLAUSE-8: No payment shall be made for work, estimated to cost less than rupees one thousand, till after the whole of work shall have been completed and a certificate of completion given. But in the case of works estimated to cost more than rupees one thousand the contractor shall On submitting a monthly bill therefore be entitled to receive payment proportionate to the part of the work then approval and passed by Engineer-in-charge whose certificate of such approval on posing of the sum 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 actually done and completed and shall not preclude the Engineer-in-charge from requiring any bad, unsound imperfect or unskillful work to be removed or taken away and reconstruction or re-erected nor shall any such payment be considered as an admission of the due performance of the contractor or any part thereof in any respect or the accruing of any claim nor shall if conclude, determine or affect 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.

Material Advance: - 75% of the cost material brought to site based on invoice/ challans at the rate mentioned in SSR/DSR payable as a RA Bill and same will be recovered in next RA bill to the Extent of material consumed. All advances against material shall be recovered up to 75 % of value of work.

Payment at reduced rates on account of item of work not accepted as completed to be at the discretion of the engineer-in-charge.

CLAUSE-9: The rates for several items of works estimated to cost more than Rs.1000/- agreed to within shall be valid only when the item concerned is accepted as having been completed fully in accordance with the sanctioned specifications. In case where the items of work are not accepted as so completed the Engineer-in-charge may make payment on account of such items at such reduced rates as he may consider reasonable in the preparation of final or on account bills.

Bill to be submitted monthly.

CLAUSE-10 : A bill shall be submitted by the contractor in each month on or before the date fixed by the Engineer-in-charge for all work executed in the previous month and the Engineer-in-charge shall take or cause to be taken the 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 ten 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.

**Bill to be on the
printed form**

CLAUSE-11: The contractor shall submit all bills on the printed forms to be had on application at the office of the Engineer-in-charge. The charges to be made in the bills shall always be entered at the rates specified in the tender or in the case of any extra work ordered in pursuance of these conditions and not mentioned or provided for in the tender at the rates hereinafter provided for such work.

**Store supplied by
APMC**

CLAUSE – 12 : If the specification or estimate of the work provides for the use of any special description of materials to be supplied from the store of the APMC store or if it is required that the contractor shall use certain stores to be provided by the Engineer-in-charge (such material and stores and the prices to be charged therefore as hereinafter mentioned being so far as practicable for the convenience of the contractor but not so as in any way to control the meaning or effect of this contract specified in the schedule or memorandum annexed) the contractor shall be supplied with such materials and stores as may be required from time to time to be used by him for the purposes of the contract only and the value of the full quantity of the materials and stores so supplied shall be set off or deducted from any sums then due or thereafter to become due to the contractor under the contract, or otherwise from the security deposit or the proceeds of sale thereof. If the security deposit is held in APMC Securities the same or a sufficient portion thereof shall in

that case be sold for all purpose. All materials supplied to the contractor shall remain the absolute property of the APMC and shall on no account be removed from the site of the work, and shall at all times be open to inspection by the Engineer-in-charge. Any such materials unused and in perfectly good condition at the time of completion or determination of the contract shall be returned to the APMC store if the Engineer-in-charge so requires by a notice in writing given under his hand, but the contractor shall not be entitled to return any such materials except with consent of the Engineer- in-charge and he shall have no claim for compensation on account of any such material supplied to him as aforesaid but remaining unused by him or for any wastage in or damage to any such materials.

CLAUSE -13 : The contractor shall execute the whole and every part of the work in the most substantial and workman like manner and both as regards materials and in every other respect in strict accordance with specifications. The contractor shall also conform exactly, fully and faithfully to the designs drawing 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 of the work during office hours. The contractor will be entitled to receive three sets

**Work to be
executed in
accordance with
specifications
drawing orders etc**

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

of contract drawings and working drawings as well as one certified copy of the accepted tender along with the work order free of cost. Further copies of the contract drawings and working drawings if required by him, shall be supplied at the rate of Rs. 300/- per set of contract drawings and Rs. 150/- per working drawings except where other wise specified.

Alteration in specifications and designs not to invalidate contracts

CLAUSE -14: The Engineer-in-charge shall have Power to make any alterations in or additions to the original specifications drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and the contractor shall be bound to carry out the work in accordance with any instructions in this connection which maybe given to him in writing signed by the Engineer-in- charge and such alteration shall not invalidate the contract, and any additional work , which the contractor may be directed to do in the manner above, specified as part of the work shall be carried out by the contractor on the same condition in all respects on which he agreed to do the main work, and at the same rates as are specified in the tender for the main work and if the additional and altered work includes any class of work for which no rate is specified in this contract, then such class of work shall be carried out at the rates entered in the schedule of rates of the Division or at the rates mutually agreed upon between the Engineer-

in-charge and the contractor whichever, are lower.

Rates for work not entered in estimate or schedule of rate of the district.

If the additional or altered work for which no rate is entered in the schedule of rates of the Division, is ordered to be carried out before the rates are agreed upon the contractor shall within seven days of the date of receipt by him of the order to carry out the work inform the Engineer-in-charge of the rate which it is his intention to charge for such class of work and if the Engineer-in-charge of the rate which it is his intention to charge for such class of work and if the Engineer-in-charge does not agree to this rate he shall be notice in writing be at liberty to cancel his order to carry out such class of work and arrange to carry it out in such manner as he may consider advisable provided always that if the contractor shall commence work or incur any expenditure in regard there to before the rates shall have been determined as lastly herein before the mentioned, then in such case he shall only be entitled to be paid in respect of the work carried to or expenditure incurred by him prior to date of the determination of the rate as aforesaid according to such rate or rates as shall be fixed by the Engineer-in-charge. In the event of accordance dispute, the decision of the Chairman of APMC , will be final.

Where, however, the work is to be executed according to the designs drawings and specifications recommended by the contractor

Extension of time in consequence of additions or alterations

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

and accepted by the competent authority the alterations above referred to shall be within the scope of such designs, drawings and specifications appended to the tender. The time limit for the completion of the work shall be extended in the proportion that the increase in its cost occasioned by alterations or additions bears to the cost of the original contract work and the certificate of the Engineer-in-charge as to such proportion shall be conclusive.

No claim to any payment or Compensation for alteration in or restriction of work

CLAUSE-15 (1) : If at any time after the execution of the contract documents. The Engineer shall for any reason what-so-ever (other than default on the part of the contractor for which the APMC is entitled to rescind the contract) desires that the whole or any part of the work 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 to the work already done or endanger the safety there of 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 what so ever 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.

(2) Where the total suspension of work ordered 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 accordance 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 Engineer, to record the final measurement of the work already done and to pay the final bill. Upon given such notice, the contractor shall be deemed to have been discharged from his obligation 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 contract. Such payment shall not in any manner prejudice the right of the contractor to any further compensation

under the remaining provisions of this of this clause.

(3) Where the Engineer requires the contractor to suspend the work for accordance 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 rendered idle on the site or on account of his having, had to pay the salary or wages of 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 30 days whether consecutive or in the aggregate of such suspension or in respect of any suspension whatsoever occasioned 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.

(4) The event of

(i) Any total stoppage of work on notice from the Engineer under sub-clause(1), in that behalf,

(ii) Withdrawal by the contractor from the contractual obligation to complete the remaining unexecuted work under sub clause (2) on account of continued suspension of work for accordance period exceeding 90 days.

~~OR (iii) Curtailment in the quantity of item or items originally tendered on account of any alteration, omission or substitutions in the specifications drawings designs, or instructions under clause 14 where such curtailment exceeds 25% in quantity and the value of the quantity curtailed beyond 25% at the rates for the item specified in the tender is more than Rs. 5000/- NA~~

~~It shall be open to the contractor within 90 days from the service of (i) the notice of stoppage of work or (ii) the notice of with drawl from the contractual obligations under the contract on account of the continued suspension of work or (iii) notice under clause 14 resulting in such curtailment to produce to the Engineer satisfactory documentary evidence that he had purchased or agreed to purchase material for use in the contracted work, before receipt by him of the notice of stoppage, suspension or curtailment and require the APMC to take over on payment such material at the rates determined by the Engineer, Provided however, such rates shall in no case exceed the rates at which the same were acquired by the contractor. The APMC shall thereafter take over the material so offered, provided the quantities offered are not in excess of the requirements of the unexecuted work as specified in the accepted tender and are of quality and specifications approved by the Engineer.~~

No claim to compensation on account of loss due to delay in supply of material by APMC

CLAUSE-15 (A) : The contractor shall not be entitled to claim any compensation from APMC for the loss suffered by him on account of delay by APMC in the supply of materials entered in Schedule –A where such delay is caused by :

- (i) Difficulties relating to the supply of railway wagons.
- (ii) Force measure
- (iii) Act of God.
- (iv) Act of enemies of the state or any other reasonable cause beyond the control of APMC.

In the case of such delay in the supply of materials, APMC shall grant such extension of time for the completion of the works as shall appear to the Chairman, to be reasonable in accordance with the circumstances of the case. The decision of the Chairman on to the extension of time shall be accepted on final by the contractor.

Time limit for unforeseen claims

CLAUSE –16 : Under no circumstances whatsoever shall the contractor be entitled to any compensation from APMC on any account unless the contractor shall have submitted a claim in writing to the Engineer-in-charge within One month of the cause of such claim occurring.

CLAUSE –17 : If any time before the security deposit or any part thereof is refunded or any part thereof is refunded to the contractor it shall appear to the Engineer –in-

Action and compensation payable in case of bad works

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

charge or his subordinate in charge of the work, that any work has been executed with unsound, imperfect or unskillful workmanship or with materials of inferior quality, 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 are otherwise not in accordance with contract it shall be lawful for the Engineer-in-charge to intimate this fact in writing to the contractor and then notwithstanding the fact that the work, materials or articles complained of may have been inadvertently passed, certified and paid for, the contractor shall be bound forthwith to rectify or remove and reconstruct the work so specified in whole or in part, as the case may require of if so required, shall remove the materials or articles so specified and provide other proper and suitable materials or articles at his own charge and cost, and in the event of his failing to do so within a period to be specified by the Engineer-in-charge in the written intimation aforesaid, the contractor shall be liable to pay compensation at the rate of 1% on the amount of the estimate for every day not exceeding 10 days during which the failure so continues and in the case of any such failure the Engineer-in-charge may rectify or remove, and re-execute the work or remove and replace the materials or articles complained of as the case may be at the risk and expense in all respects of the contractor should the Engineer-in-charge consider that any such inferior work or materials as described above

may be accepted or made use of it shall be within his discretion to accept the same at such reduced rates as he may fix therefore.

Works is to be Contractor or responsible agent to be present.

CLAUSE -18: All works 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 Engineer-in-charge and his subordinates and the contractor shall at all time during the usual working hours, and at all other times at which reasonable notice of the intention of the Engineer-in-charge or his subordinate to visit the work shall have been given to the contractor, either himself be present to receive orders and instructions or have accordance responsible agent duly authorized in writing, present for that purpose. Orders given to the contractor's duly authorized agent shall be considered to have the same force and effect as if they had been given to the contractor himself.

Notice to be given before work is covered up

CLAUSE- 19 : The contractor shall give not less than five days notice in writing to the Engineer-in-charge or his subordinate in charge of the work before converting up or otherwise placing beyond the reach of measurements any work in order that the same may be measured and correct dimensions thereof taken before the same is so covered up or placed beyond the reach of measurement any work without the consent in writing of the Engineer-in-charge or his subordinate in charge of the work, and if any work shall be covered up or placed beyond the reach of measurements without such notice

having been given or consent obtained the same shall be uncovered at the contractor's expenses and in default thereof no payment or allowance shall be made for work or for the materials with which the same was executed.

**Contractor liable for
damage done and for
impureberction**

CLAUSE –20 : If during the period of **“10 (Ten) Years” for CC Road & CC Drain & 5 (Five) Year for Compound Wall Work** from the date of completion as certified by the Engineer-in-charge pursuant to clause 7 of the contract or **“10 (Ten) Years” for CC Road & CC Drain & 5 (Five) Year for Compound Wall Work** after commissioning the work, whichever is earlier in the opinion of the Chairman, the said work is defective in any manner whatsoever, the contractor shall forthwith on receipt of the notice in that behalf from the Chairman, duly commence execution and completely carry out at his cost in every respect all the work that may be necessary for rectifying and setting right the defects specified therein including dismantling and reconstruction of unsafe portion strictly in accordance with and in the manner prescribed and under the supervision of the Chairman in the event of the contractor failing or neglecting to commence execution of the said rectifications work within the period prescribed therefore in the said notice, and / or to complete the same as aforesaid as required by the said notice, the Chairman, get the same executed and carried out departmentally or by any other agency at the risk on account and at the cost of the contractor. The contractor shall

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

forthwith on demand pay to the APMC the amount of such costs, charges and expenses sustained or incurred by the APMC of which the certificate of the Chairman, shall be final and binding on the contractor. Such cost, charges and expenses shall be deemed to be arrears of land revenue and in the event of the contractor failing or neglecting to pay the same on demand as aforesaid without prejudice to any other rights and remedies of the APMC the same may be recovered from the contractor as arrears of land revenue. The APMC shall also entitled to deduct the same from any amount which may then be payable or which may thereafter become payable by the APMC to the contractor either in respect of the said work or any other work whatsoever, or from the amount of the security deposit retained by APMC.

Contractor to supply plant, ladders, scaffolding etc.

And is liable for damages arising from non-provision of light, fencing etc.

CLAUSE- 21 : The contractor shall supply at his own cost all material (except such special materials, if any as may in accordance with the contract be supplied from the APMC Stores, plant, tools, appliances, implements, ladders, cordage, tackle, scaffolding and temporary works which may required for the proper execution of the work in the original altered or substituted form and whether included in the specifications or 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

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

Engineer-in-charge as to any matter as to which under these conditions he is entitled to be satisfied, or which he 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 persons with the means and materials necessary for the purpose of setting out works and counting, weighing and assisting in the measurement or examination at any time to time of the work or the materials. Failing which the same may be provided by the Engineer-in-charge at the expense of the contractor and the expenses may of the contractor and 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 of a 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 defense 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 costs which may be awarded in any such suit action or proceedings to any such person or which may with consent of the contractor be paid for compromising any claim by any such person.

CLAUSE- 21 (A) : The contractor shall provide suitable scaffolds and working platforms, gangways and stairways and shall comply with the following regulations in connection there with

- a) Suitable scaffold be provided for workman for workmen for all works that cannot be safely done from a by other means.
- b) A scaffold shall not be constructed, taken down or substantially altered except.
 - i) Under the supervision of accordance competent and responsible person and
 - ii) As far as possible by competent workers possessing adequate experience in this kind of work.
- c) All scaffold and appliances connected therewith and ladders shall.
 - i) be of sound material.
 - ii) be of adequate strength having regard to the loads and strains to which they will be subjected and;
 - iii) be maintained in proper condition.
- d) Scaffolds shall be so constructed that no part thereof can be displaced in consequence of normal use.
- e) Scaffolds shall not be over loaded and so far as practicable the load shall be evenly distributed.
- f) Before installing lifting gear on scaffolds special precautions shall be taken to ensure the strength and stability of the scaffolds.
- g) Scaffolds shall be periodically inspected by a competent person.
- h) Before allowing a scaffold to be used by his workmen the contractor shall, whether the scaffold has been erected by his workmen or not taken step to ensure that it

complies fully with the regulation here in specified.

i) Working platforms, gangways and stairways shall:

(i) be so constructed that no part thereof can sag unduly or unequally

(ii) be so constructed and maintained, having regard to the prevailing conditions as to reduce as far as practicable risks of persons tripping or slipping and

(iii) be kept free from any unnecessary obstruction.

j) In the case of working platform gangways working places and stairway at accordance height exceeding 3.00 Meters.

(i) Every working platform and every gangway shall be closely boarded unless other adequate measures are taken to ensure safely.

(ii) Every working platform and gangway, shall have adequate width and

(iii) Every working platform, gangway, working place and stairway shall be suitable fenced.

k) Every opening in the floor of accordance building or in a working platform shall except for the time and to the extent required to allow the excess of persons or the transport or shifting of material be provided with suitable means to prevent the fall of persons or material.

l) When persons are employed on a roof where there is a danger of falling from a

height exceeding 3.00-meter suitable precautions shall be taken to prevent the fall of persons or material.

m) Suitable precautions shall be taken to prevent persons being struck by articles, which might fall from scaffolds or other working place.

n) Safe means of access shall be provided to all working platforms and other working places.

CLAUSE -21(B) : The contractor shall comply with the following regulations as regards the Hoisting Appliances to be used by him:

a) Hoisting machines and tackle, including their attachments, anchorages and supports shall

i) be of good mechanical construction, sound materials and adequate strength and free from patent defect and

ii) be kept in good repair and in good working order

b) Every rope used in hoisting or lowering materials or a means of suspension shall be of suitable quality and adequate strength and free from patent defect.

c) Hoisting machines and tackle shall be examined and adequately tested after erection on the site and before use and be re-examined in position at intervals to be prescribed by the APMC.

d) Every chain ring, hook shackle swivel and pulley block used in hoisting or

lowering materials or as a means of suspension shall be periodically examined.

e) Every crane driver or hoisting appliance operator shall be properly qualified.

f) No persons who are below the age of 21 years shall be in control of any hoisting machine, including any scaffold which, or give signals to the operator.

g) In the case of every hoisting machine and of every chain, ring, hook, shackle, swivel pulley block used in hoisting or lowering or as a means of suspension, the safe working load shall be ascertained by adequate means.

h) Every hoisting machine and all the gear referred to in the preceding regulation shall be plainly marked with the safe working load.

i) In the case of a hoisting machine having variable safe working load, each safe working load and the conditions under which it is applicable, shall be clearly indicated.

j) No part of any hoisting machine or of any gear referred to in regulation (s) above shall be loaded beyond the safe working load except for the purpose of testing.

k) Motors, gearing transmissions, electric wiring and other dangerous part of hoisting appliances shall be provided with efficient safeguards.

l) Hoisting appliances shall be provided with such means as will reduce to

accordance minimum the risk of the accidental descent of the load.

m) Adequate precautions shall be taken to reduce to a minimum the risk of any part of accordance suspended load becoming accidentally displaced.

Measure for prevention of fire

CLAUSE –22 : The contractor shall not set fire to any standing jungle, Trees, brushwood or grass without a written permit from the Chairman. 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 measures to prevent such fire spreading to or otherwise damagingsurrounding property. The contractor shall make his own arrangements for drinking water for the labour employed by him.

Liability of contractor for any damage done in or outside work area

CLAUSE –23: Compensation for all damages done Intentionally or un-intentionally by contractor's Labour whether in or beyond the limits of APMC property including any damage caused by the spreading of fire mentioned in clause 22 shall be estimated by the Engineer-in-charge or such other officer as he may appoint and the estimates of the Engineer-in-charge subject to the decision of the APMC 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 in

the man prescribed in clause 1 or deducted by the Engineer-in-charge from any sums that may be due or become due from APMC to the contractor under this contract or otherwise. The contractor shall bear the expenses of defending any action or other legal proceedings that may be brought by any person for injury sustained by him owing to neglect of precautions to prevent the spread of the fire and he shall pay any damages and cost that may be awarded by the court in consequence.

Employment of female labour

CLAUSE -24 : The employment of female laborers on works in neighborhood of soldiers barracks should be avoided as far as far as possible.

Work on sunday

CLAUSE -25 : No work shall be done on a Sunday without the sanction in writing of the Engineer-in-charge.

Work not to be sublet

CLAUSE -26 : The contract shall not be assigned or sublet without the Written approval of the Engineer-in-charge and if the contractor shall assign or sublet his contract or attempt so to do, become insolvent or commence any proceedings to get himself adjudicated an insolvent or make any composition with his creditors or attempt so to do or if bribe, gratuity, gift, loan perquisite, reward or advantage perquisite, or otherwise shall either directly or indirectly be given promised or offered by the contractor or any of his servants or agents to any public officer or person in the employ of APMC in any way relating to

Contract may be rescinded and security deposit forfeited for subletting it without approval or for bribing a public officer or if contractor becomes insolvent.

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 there upon notice in writing rescind the contract and the security deposit of contractor shall there upon stand forfeited and be absolutely at the disposal of APMC an the same consequences shall insure as if the contract had been rescinded under clause 3 hereof and in addition the contractor shall not be entitled to recover or be paid for any work therefore contract.

Sum payable by way of compensation to be considered as reasonable compensation without reference to actual loss.

CLAUSE- 27 : All sums payable by a contractor By way of compensation under any of this conditions shall be considered as a reasonable compensation to be applied to the use of APMC without reference to the actual loss or damage sustained, and whether any damage has or has not been sustained.

Changes in the constitution of firm to be notified

CLAUSE -28 : In the case of tender by partners any change in the constitution of a firm shall be forthwith notified by the contractor to the Engineer in charge for his information.

Direction & control of the APMC.

CLAUSE – 29 : All works to be executed Engineer under the contractor Shall be executed under the direction and subject to the approval in all respects of the APMCfor the time being,who shall be entitled to direct at what point orpoints and in what manner they are to be commenced and from time to time carried on.

Direction & control of the APMC.

CLAUSE – 30 (1) : Except where otherwise specified in the contract and subject to the

powers delegated to him by APMC under the code rules then in force. The decision of the APMC of the Circle for the time being shall be final, conclusive and binding on all parties to the contract upon all questions relating to the meaning of the specifications designs, drawings and instructions herein before mentioned and as to the quality of workmanship or materials used on the work, or as to any other question, claim, right, matter or things whatsoever, if any way arising out of or relating to the contracts, designs, drawings specifications, estimates, instructions orders, or other conditions or otherwise concerning the works, or the execution or failure to execute the same whether arising during the progress of the work or after the completion or abandonment thereof.

CLAUSE-30(2) : The contractor may within 30 days of receipt by him of any order passed by the APMC of the circle as aforesaid appeal against it to the Chief Engineer concerned with the contract, work or project provided that;

- a) The accepted value of the contract exceeds Rs. 10 Lakh. (Rs. Ten lakh)
- b) Amount of claim is not less than Rs. 1.00 lakh (Rupees One Lakh.)

CLAUSE- 30(3) : If the contractor is not satisfied with the order passed by the Chief Engineer as aforesaid the contractor may, within thirty days of receipt by him of any

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

such order, appeal against it to the concern APMC who if convinced that prima facial the contractor claim rejected by APMC in not frivolous and that there is some substance in the claim of the contractor as world merit a detailed examination and decision by Standing Committee. Shall put up to the Standing Committee at APMC level for suitable decisions.

Store of European or American manufacture to be obtained from APMC

CLAUSE -31 : The contractor shall obtain from the APMC stores, all stores and articles of European or American manufacture which may be required for the work of any part thereof or in making up any article required there- fore or in connection therewith unless he has obtained permission in writing from the Engineer in charge to obtain such stores and articles elsewhere. The value of such stores and articles as may be supplied to the contractor by the Engineer in charge will be debited to the contractor in his account at the rate shown in the schedule, in form- A attached to the contract and if they are not entered in the said schedule, theyshall be debited to him at cost price which for the purpose of this contract shall include the cost of carriage and all other expenses whatsoever which shall have been incurred inobtaining delivery of the same at the stores aforesaid.

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

Lump – sums in estimate

CLAUSE- 32 : When the estimate on which accordance tender is made includes lump sums in respect of parts of the work the contractor shall be entitled to payment in respect of the items of works involved or the part of the work in question at the same rates as are payable under this contract for each item, or if the part of the work in question is not in the opinion of the Engineer in charge capable of measurement, the Engineer in charge may at his discretion pay the lump sum amount entered in the estimate and the certificate in writing of the Engineer in charge shall be final and conclusive against the contractor with regard to any sum or sums payable to him under the provisions of this clause.

Action where no specification**CLAUSE- 33 :**

In the case of any class of work for which there is no such specifications as is mentioned in rule 1 such work shall be carried out in accordance with the divisional specifications and in the event of there being no divisional specification then in such case the work shall be carried out in all respects in accordance with the instructions and requirements of the Engineer in charge.

Definition of work

CLAUSE- 34 : The expression “ work” or “works” where used in these conditions shall unless there be something in the subject or context repugnant to such construction be constructed to mean the work

or worked contracted to be executed under or in virtue of the contract whether temporary or permanent and whether original altered, substituted or additional.

**Contractors percentage
whether applied to net
or gross amount of bill**

CLAUSE- 35 : The percentage referred to in the tender shall be deducted from/added to the gross amount of the bill before deducting the value of any stock issued.

CLAUSE- 36 : All quarry fees, royalties, octroi dues and ground rent, for stacking materials, if any, should be paid by the contractor.

**Compensation under
the workmen's
compensation act**

CLAUSE- 37: The contractor shall be responsible for and shall pay compensation to his workmen payable under the workmen's compensation Act 1923 (viii th of 1923) (hereinafter called the said act) for injuries caused to the workmen, if such compensation is payable/ paid by the APMC as principal under subsection (i) of section 12 of the said act on behalf of the contractor it shall be recoverable by APMC from the contractor under subsection (2) of the said section. Such compensation shall be recovered in the manner laid down in clause 1 above.

CLAUSE- 37(A) : The contractor shall be responsible for and shall pay the expenses of providing medical aid to any workmen who may suffer a bodily injury as a result of an accident. If such expenses are incurred by APMC the same shall be recoverable from the contractor forthwith and be deducted

without prejudice to any other remedy of APMC from any amount due or that may become due to the contractor.

CLAUSE- 37(B) : The contractor shall provide all necessary personnel safety equipment and first aid apparatus available for the use of the persons employed on the site, and shall maintain the same condition suitable for immediate use at any time and shall comply with the following regulations in connection therewith : a) The worker shall be required to use the equipment so provided by the contractor and the contractor shall take adequate steps to ensure proper use of the equipment by those concerned. (b) When work is carried on in proximity to any place where there is a risk of drowning all necessary equipment shall be provided and kept ready for use and all necessary steps shall be taken for the prompt rescue of any person in danger. (c) Adequate provision shall be made for prompt first aid treatment of all injuries likely to be sustained during the course of the work.

CLAUSE- 37(c) : 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 the liabilities and penalties provided by the said act and said rules.”

Claim for quantities entered in the tender or estimate.

CLAUSE- 38 (1) : Quantities in respect of the several items shown in the tender are approximate no revision in the tendered rate shall be permitted in respect of any of the items so long as subject to any special provision contained in the specification prescribing a different percentage of permissible variation, the quantities of the items does not exceed the tender quantity by more than 25% and so long as the value of the excess quantity beyond this limit, at the rate of the item specified in the tender is not more than Rs.5000/-

~~(2) The contractor shall if ordered in writing by the Engineer so to do also carry out any quantities in excess of the limit mentioned in sub-clause (1) here of on the same conditions as and in accordance with specifications in the tender and at the rates (i) derived from the rates entered in the current shedule of rates and in the absence of such rates (ii) at the rate prevailing in the marked the sand rates being increased or decreased as the case may be by the percentage which he total tendered amount bears to the estimated cost of the work as put tender. based upon the schedule of rates applicable to the year in which the tenders were invited. ***(For the purpose of operation of this clause, this cost shall be taken, as arrived at S.S.R for 2022-23 respective District)***~~

~~(3) Claims arising out of reduction in the tendered quantity of any item beyond 25% will be governed by the provision of clause 15 only when the amount of such reduction beyond 25% at the rate of the item specified in the tender is more than Rs. 5000/-~~

Employment of famine labour etc.

CLAUSE-39 : The contractor shall employ any famine convict or other labour of a particular kind or class, if ordered in writing to do so by the Engineer in charge.

Claim for compensation for delay in starting work

CLAUSE- 40 : No compensation shall be allowed for any delay in the execution of the work on account of acquisition of land or in the case of clearance works on account of any delay in according sanction to estimates.

Claim for compensation for delay in execution

CLAUSE – 41: No compensation shall be allowed for any delay in the execution of the work on account of water standing in borrow pits or compartments. The rates are inclusive of hard or cracked soil excavation in mud, sub Soil water or water standing in borrow pits and no claim for an extra rate shall be entertained unless otherwise expressly specified.

Entering upon or commencing any portion of work.

CLAUSE- 42 : The contractor shall not enter upon or commence any portion of work except with the written authority and instruction of the Engineer in charge or of his subordinate in Charge of the work. Failing such authority the contractor shall have no claim to ask for measurements of or payment for work.

Minimum age of person employed the employment of donkeys and / or other animals and the payments of fair wages.

CLAUSE- 43 :

- i) No contractor shall employ any person who is under the age of 18 years.
- ii) No contractor shall employ donkeys or other animals with breaching of string or thin rope. The breaching must be at least 7.50 m. wide and should be of tape (Newar).
- iii) No animal suffering from sores; lameness or emaciation or which is immature shall be employed on the work.
- iv) The Engineer in charge or his Agent is authorized to remove from the work any person or animal found working which does not satisfy these conditions and no responsibility shall be accepted by APMC for any delay caused in the completion of the work by such removal.
- v) The contractor shall pay fair and reasonable wages to the workmen employed by him in the contract undertaken by him. In the event of any dispute arising between the contractor and his workmen on the grounds that the wages paid are not fair and reasonable, the dispute shall be referred without delay to the Chairman, who shall decide the same. The decision of the Chairman, shall be conclusive and binding on the contract regarding the payment to be made by APMC at the sanctioned tender rates.
- vi) The contractor shall provide drinking water facilities to the workers. Similar amenities

shall be provided to the workers engaged on large work in urban areas.

vii) The contractor should take precaution against accidents, which take place on account of labour using loose garments while working near machinery.

Method of payment

CLAUSE- 44 : Payment to contractor shall be made by cheque drawn on any treasury within the division convenient to them, provided the amounts exceed Rs. 10. Amount not exceeding Rs. 10/- will be paid in cash.

Acceptance of conditions compulsory before tendering for work

CLAUSE- 45 : Any contractor who does not accept these conditions shall not be allowed to tender for works.

Employment of scarcity labour

CLAUSE- 46 : If APMC declares a state of scarcity or famine to exist in any village situated within 16 km. of the work, the contractor shall employ upon Such parts of the work, as are suitable for unskilled labour any person certified to him by the Chairman, or by any person to whom the Chairman, may have delegated this duty in writing to be in need of relief and shall be bound to pay to such persons wages not below the minimum which APMC may have fixed in this behalf. Any disputes which may arise in connection with the implementation of this clause shall be decided by the Chairman, whose decision shall be final and binding on the contractor.

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

CLAUSE- 47 : The price quoted by the contractor shall not in any case exceed the control price, if any, fixed by APMC or reasonable price which it is permissible for him to charge a private purchaser for the same class and description the controlled price or price permissible under Hoarding and Profiteering Ordinance, 1943 as amended from time to time. If the price quoted exceeds the controlled price or the price permissible under Hoarding and profiteering ordinance, the contractor will specifically mention this fact in his tender along with the reasons for quoting such higher prices. The purchaser at his discretion will in such case exercises the right of revising the price at any stage so as to conform with the controlled price on the permissible under the Hoarding and Profiteering Prevention Ordinance. This discretion will be exercised without prejudice to any other action that may be taken against the contractor.

CLAUSE- 47 (A) : The tender rates are inclusive of all taxes, rates cesses except GST

CLAUSE- 48 : The rates to be quoted by the contractor must be exclusive of GST.

CLAUSE- 49 : In case of materials that remain surplus with the contractor from those issued for the work contracted for the date of ascertainment of the materials being surplus will be taken as the date of sale for the purpose of tax and the tax will be recovered on such sale.

CLAUSE- 49(A) : Contractor should note that recovery at penal rate of twice the issue rates will be effected if the contractor does not return surplus material. tax will be recovered from them.

CLAUSE- 50 : The contractor shall employ the unskilled labour to be employed by him on the said work only from locally available labors and shall give preference to those persons enrolled under APMC Employment and self Employment Department's Scheme. Provided, however, that if the required unskilled labors are not available locally, the contractor shall in the first instance employ such number of persons as is available and thereafter may with precious permission, in writing of the Chairman- in-charge of the side work, obtain the rest of his requirement of unskilled the labour from outside the above scheme.

CLAUSE- 51 : Wages to be paid to the skilled and unskilled labors engaged by the contractor. The contractor shall pay the labors skilled and unskilled according to the wages prescribed by the Minimum Wages Act 1948 applicable to the area in which the work of the contractor is located.

CLAUSE- 52 : All amounts whatsoever which the contractor is liable to pay to the APMC in connection with the execution of the work including the amount payable in respect of (i) materials and / or stores supplied / issued hereunder by the APMC to the contractor (ii) hire charges in respect of heavy plant, machinery and equipment given on hire by the APMC to the contractor for execution by him of the work and / or on which to advances have been given by the APMC to the contractor shall be deemed to be Arrears of Land Revenue and The APMC may without prejudice to any other rights and remedies of the APMC recover the same from the contractor as arrears of land revenue.

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

CLAUSE- 53 : The contractor shall duly comply with all the provision of the contract (Labour Regulation and Abolition Act 1970.) (37 of 1970) and the Maharashtra contract Labour Regulation and Abolition Rules 1971 as amended from time to time and all other relevant status and statutory provision concerning payment of wages particularly to workmen employed by the contractor and working on the site of the work in particular the contractor shall pay wages to each worker employed by him on the site of the work at the rates prescribed under the Maharashtra Contract Labour (Regulation And Abolition) Rules 1971. If the contractor fails or neglects to pay wages at the said rates or makes short thereof less paid by the contractor, as the case may be the amount so paid by the APMC to such works shall be deemed to be an arrears of land revenue and the APMC shall be entitled to recover the same as such from the contractor or deduct the same from the amount payable by the APMC to the contractor here under or from any other amounts payable to him by the APMC.

CLAUSE- 54 : The contractor shall engage apprentices such as bricks layers, carpenters, wireman, plumber as well as blacksmith, as recommended by the state Apprenticeship Advisor Director of Technical Education, Dhobi Talao, Bombay-1 on the construction work.

CLAUSE- 55(A) : The antimalarial and other health measure shall be as directed by the joint Director (Malaria and Filarial) of Health Services, Pune.

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

(B) Contractor shall see that mosquitogenic conditions are not created so as to keep vector populations to the minimum level.

(C) Contractor shall carry out anti malaria measures in area as per guidelines prescribed under national malaria eradication programme and as directed by the Joint Director (M& F) of Health Services, Pune.

(D) In case of default in carrying out prescribed antimalaria measure resulting increasing in malaria incidence contractor shall be liable to pay to APMC the amount spent by APMC on antimalaria measures to control the situation in addition to fine.

(E) **AUTHORITIES** : The contractor shall make sufficient arrangement for draining away the sullage water as well as water coming from the bathing and washing places and shall dispose off this water in such a way as not to cause any nuisance. He shall also keep premises clean by employing sufficient number of sweepers. The contractor shall comply with all rules regulation, by laws and direction given time to time by any local or public authority in connection with this work and shall pay fees or charges with are livable on him without any extra cost to APMC.

ADDITIONAL GENERAL CONDITION AND SPECIFICATION.

1. These are to apply as additional specifications and conditions unless otherwise already provided for contradictorily elsewhere in this contract

2. CONTRACTOR TO STUDY SITE CONDITION

The contractor shall be deemed to have carefully examined the work and site conditions including labour, the general and the special conditions, the specifications, schedules and drawings and shall be deemed to have visited the site of the work and to have fully informed himself regarding the local conditions and carried out his own investigations to arrive at the rates quoted in the tender. In this regard, he will be given necessary information to the best of the knowledge of Department but without any guarantee about it.

If he shall have any doubt as to the meaning of any portion of these general conditions or the special condition, to the scope of working of the specifications and drawings or any other matter concerning the contract, he shall in good time, before submitting his tender, set forth the particulars thereof and submit them to the **Chairman APMC, Chandwadin** writing in order that such doubts may be clarified authoritatively before tendering. Once a tender is submitted, the matter will be decided in accordance with tender conditions in the absence of such authentic pre-clarification.

3. DECLARATION OF THE CONTRACTOR.

The contractor should sign the declaration form on Page No 174.

4. INDEMNITY :

The contractor shall indemnify the APMC against all actions, suits, claims and demands brought or made against it in respect of anything done or committed to be done by the contractor in execution of or in connection with the work of this contract and against any loss or damage to the APMC in consequence to any action or suit being brought against the contractor for anything done or committed to be done the execution of this contract.

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

5. DEFINITIONS :

Unless excluded by or repugnant to the context :-

- (a) The expression “ APMC “ as used in the tender papers shall be mean the Agriculture Produce Market Committee.
- (b) The expression “ PMC “ as used any where in the tender papers shall mean Project Management Consultant (D.A.Patil and Associates) of the APMC who is designated as such.
- (c) The expression “ Chairman APMC” as used in the tender papers shall mean an officer of APMC’s rank (by whatever designation he may be known) under whose control the worklies for the time being.
- (d) The expression “ Engineer” or “Engineer - in - charge” as used in the tender papers shall mean Engineer appointed by PMC, in charge of the work for the time being.
- (e) The expression “Employee” used in the tender papers shall mean the party who will employ the contractor to carry out the works.
- (f) The expression “ Architect” as used in tender paper shall mean the Architect appointed by PMC.
- (g) The Expression “ Contractor “ used in the tender papers shall mean the successful tenderer whose tender has been accepted, and who has been authorized to proceed with the work.
- (h) The expression “Contract” as used in tender papers shall mean the deed of contract together with its original accompaniment and those later incorporated in it by mutual consent.
- (i) The expression “Plant” as used in the tender papers shall mean every machinery, necessary or considered necessary by the Engineer to execute, construct, complete and maintain the works and used in altered, modified, substituted and additional work ordered in the time and the manner herein provided and all temporary materials and special and other articles of appliances of every sort, kind and description whatsoever intended or used hereof.
- (j) “Drawings” shall mean the drawings referred to in the specifications and any modifications of such drawings approved in writing by

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

Engineer and such other drawings as may from time to time be furnished or approved in writing by the Engineer.

- (k)** “Engineer’s representative” shall mean an assistant of the Engineer notified in writing to the contractor by the Engineer.
- (l)** “Provisional items” shall mean items for which approximate quantities have been included in the tender documents.
- (m)** The “Site” shall mean the lands and / or other places, on, under, in or through which the work is to be executed under the contract including any other lands or places which may be allotted by APMC or used for the purpose of contract.
- (n)** The “Work” shall mean the works to be executed in accordance with the Contract or part (s) thereof as the case may be and shall include all extra, additional, altered or substituted works as required for performance of the contract.
- (o)** The “Contract sum” shall mean the sum for which the tender is accepted .
- (p)** The “Accepting Authority” shall mean the officer competent to accept the tender.
- (q)** The “Day” shall mean a day of 24 hours from midnight to midnight irrespective of the number of hours worked in any day.
- (r)** “Temporary works” shall mean all temporary works of every kind required in or about the execution, completion or maintenance of the works.
- (s)** “Urgent works” shall mean any measure which, in the opinion of the Engineer - in - charge, become necessary during the progress of the works to obviate any risk or accident or failure or which become necessary for security of the work or the persons working, thereon. Where the context so requires, words importing the singular only also include the plural and vice-versa. Heading and marginal notes, if any, to the general conditions shall not be deemed to form part thereof or be taken into consideration in the interpretation or construction thereof the contract. Wherever there is mention of “Schedule of rates” of the

Division or simply D.S.R. in this tender, it will be taken to mean as “the Schedule of the rate of the Division in whose jurisdiction the work lies.”

6. ERRORS, OMISSIONS AND DISCREPANCIES :

- a) In case of errors, omissions and / or disagreement between written and scaled dimensions in the drawing or between the drawings and specifications etc. the following order of preference shall apply.
 - i) Between actual scaled and written dimensions or descriptions on a drawing the latter shall be adopted.
 - ii) Between the written or shown description of dimensions in the drawing and the corresponding one in the specifications, latter shall apply.
 - iii) Between the quantities shown in the schedule of quantities and those arrived at from the drawings, the latter shall be preferred.
 - iv) Between the written description of the item in the scheduled of quantities and the detailed description in the specifications of the same items, the latter shall be adopted.
- b) In case of discrepancy between percentage rate quoted in figures and words, the lowest of the two will be considered for acceptance of the tender.
- c) In all cases of omissions and / or doubts or discrepancies in the dimensions or description of any item or specifications, a reference shall be made to the **Chairman APMC**, whose elucidation, elaboration or decision shall be considered as authentic. The contractor shall be held responsible for any errors that may occur in the work through lack of such reference and precaution.
- d) The special provision in detailed specifications and wording of any item shall gain precedence over corresponding contradictory provision (if any) in the standard specifications of APMCHand Book where reference to such specifications is given without reproducing the details in contract.

7 METHODOLOGY OF CONSTRUCTION & CONSTRUCTION EQUIPMENT'S

7-a) Methodology of Construction

Contractor shall furnish at least 15 days in advance, his programme of commencement of items of work, the details of actual methods that would be adopted by the contractor for the execution of various items of work such

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

as well sinking cast-in-situ, superstructure for bridge work, earth work, W.B.M. black topping items etc. for road works supported by necessary drawings and sketch including those of the plant and machinery that would be used, their locations, arrangement for conveying and handling materials etc. and obtain prior approval of the Engineer-in-charge well in advance of starting of such items of work. The Engineer-in-charge reserves the right to suggest modifications or make completion in the method proposed by the contractor, whether accepted previously or not, at any stage of work to obtain the desired accuracy, quality and progress of the work which shall be binding on the contractor and no claim on account of such change in method of execution will be entertained by APMC so long as specification of the items remain unaltered. The sole responsibility for the safety and adequacy of the methods adopted by the contractor will however rest on the contractor irrespective of any approval given by the Engineer.

In case of slippage from the approved work programme at any stage the contractor shall furnish revised programme to make up the slippage within the stipulated time schedule and obtain the approval of the Engineer to the revised programme.

7-b) CONSTRUCTION EQUIPMENT

The contractor shall be required to give a trial run of the equipment's for establishing their capacity to achieve the laid down specifications and tolerance to the satisfaction of the Engineer before commencement of the work. All equipment provided shall be proven efficiency and shall be operated and maintained at all times, in a manner acceptable to the Engineer and no equipment or personal will be removed from situ without permission of the Engineer.

7-c) PROGRESS SCHEDULE

- i) The contractor shall furnish within the period of one month of the order to start the work, the programme of work in CPM/PERT charts in quadruplicate indicating the date of actual start, the monthly progress expected to be achieved and the anticipated completion date of each major item of work to be done by him, also indicating dates of procurement and setting up to materials, plant and machinery. The schedule is to be such as is practicable

of achievement towards the completion of the whole work in the time limit, the particular items, if any on the due dates specified in the contract and shall have the approval of the Engineer in charge. No revised schedule shall be operative without such acceptance in writing. The Engineer is further empowered to ask for more detailed schedule or schedules say. Week by week for any item or items, in case of urgency of work as will be directed by him and the contractor shall supply the same as and when asked for.

- ii) The contractor shall furnish sufficient plant, equipment and labour as may be necessary to maintain the progress schedule. The working and shift hours restricted to one shift a day for operations to be done under the APMC supervision shall be such as may be approved by the Engineer-in-charge. They shall not be varied without the prior approval of the Engineer. Night work requiring supervision shall be such as may be approved by the Engineer-in-charge. They shall not be varied without the prior approval of the Engineer, Night work requiring supervision shall not be permitted except when specifically allowed by Engineer on each item if requested by contractor. The contractor shall provide necessary lighting arrangements etc. for night work as directed by Engineer without extra cost to APMC.
- iii) Further the contractor shall submit the progress report of work in prescribed forms and charts etc. at periodical intervals as may be specified by the Engineer-in-charge. Schedule shall be in form of progress charts, forms progress statement and /or reports as may be approved by the Engineer.
- iv) The contractor shall maintain proforma, charts, details (regarding machinery, equipment, labour, materials, personnel etc.) as may be specified by the Engineer and submit periodical returns thereof as may be specified by the Engineer in charge.

8. AGENTS AND WORK ORDER BOOK

The contractor shall himself engage an authorized all – time agent on the work capable of managing and guiding the work and understanding the specifications and contract conditions. A qualified and experienced Engineer shall be provided by the contractor as his agent for technical Matters in case the Engineer-in-charge considers this as essential for the

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

work and so directs the contractor. He will take orders as will be given by the Chairman, or his representative and shall be responsible for carrying them out. This agent shall not be changed without prior intimation of the Chairman, and his representative on the work site.

The Engineer in charge has the unquestionable right to ask for change in the quality and strength of contractor's supervisory staff and to order removal from work of any of such staff. The contractor shall comply with such orders and effect replacements of the satisfaction of the Engineer, in charge

A work order book shall be maintained on site and it shall be the property of the APMC and the contractor shall promptly sign orders given therein by the Chairman, or his representative and his superior Officers, and comply with them.

The contractor to the Engineer shall report the compliance in good time so that it can be checked. The Department free of charge will provided the blank work order book with machine numbered pages for this purpose. The contractor will be allowed to copy out instructions therein from time to time.

8. SETTING OUT

(i) SETTING OUT FOR (BUILDING WORK) :-

The Engineer-in-charge shall furnished the contractor with only the four corners of the works site and a level bench mark and the contractor shall set out the works shall provide an efficient staff for the purpose and shall be solely responsible for the accuracy of such setting out.

The contractor shall provide, fix and be responsible for the maintenance of all stacks, templates, level marks, profiles and other similar things and shall take all necessary precautions to prevent their removal or disturbance and shall be responsible for the consequence of such removal or disturbance should be the same take place and for their efficient and timely reinstatement.

The contractor shall also be responsible for the maintenance of all existing survey marks, boundary marks, distance marks and center line marks, either existing or supplied and fixed by the contractor. The approval thereof or joining with the contractor by the Engineer in charge in setting out the work, shall not relieve the contractor of any of his responsibilities.

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

Before beginning the work, the contractor shall at his own cost provide all necessary reference and level posts, pegs, bamboo's, flags, ranging rods, strings and other materials for proper layout of the work in accordance with the scheme for bearing marks acceptable to the Engineer in charge. The centre, longitudinal or face lines and cross lines shall be marked by means of small masonry pillars. Each pillar shall have distinct mark at the centre to enable theodolite to be set over it. No work shall be started until all these points are checked and approved by the Engineer in charge in writing but such approval shall not relieve the contractor of any of his responsibilities. The contractor shall also provide all labour, material and other facilities, as necessary for the proper checking of layout and inspection of the points during construction.

Pillars bearing geodetic marks located at the sites of units of works under construction should be protected and fenced by the contractor. On completion of works, the contractor must submit the geodetic documents according to which the work was carried out.

(II) RESPONSIBILITIES FOR LEVEL AND ALIGNMENT :

The contractor shall be entirely and exclusively responsible for the horizontal and vertical alignment, the levels and correctness of every part of the work and shall rectify effectively any errors or imperfections therein. Such rectifications shall be carried out by the contractor, at his own cost, when instructions are issued to that effect by the Engineer in charge.

9. LEVELING INSTRUMENT :

If measurements of items of the work are based on volumetric measurements calculated from levels taken before and after construction of the item a large number of leveling staves, tapes etc. will have to be kept available by the contractor at the site of work for this purpose, Lack of such leveling staves tapes etc. in required numbers may cause delay in measurements and the work. The contractor will have therefore to keep sufficient number of these instruments readily available at the site and in good working condition

11. AUTHORITIES OF THE ENGINEER -IN- CHARGE'S REPRESENTATIVE

The duties of the representative of the Engineer-in-charge are to watch and supervise the work and to test and examine any material to be used for workmanship employed in connection with the works.

The Engineer-in-charge may from time to time, in writing delegate to his representative any of the powers and authorities vested in the Engineer-in-charge and shall furnish to the contractor a copy of all such delegations of powers and authorities. Any written instruction or approval given by the representative of the Engineer-in-charge to the contractor within the terms of such delegations (but not otherwise) shall bind the contractor and the Department as though it had been given by the Engineer-in-charge, provided always as follows.

Failure of the representative of the Engineer-in-charge to disapprove and work or material shall not prejudice the power of the Engineer-in-charge there after the disapprove such work or materials and to order to pulling down, removal or breaking up thereof.

12.CO-ORDINATION :

When several agencies for different sub-work of the project are to work simultaneously on the project site there must be full co-ordination between the contractors to ensure timely completion of the whole project smoothly. The scheduled dates for completion specified in each contract shall, therefore, be strictly adhered to each contractor may make his independent arrangements for water, power, housing etc. If they so desire, on the other hand the contractor are at liberty to come to mutual agreement in this behalf and make joint arrangement with the approval of the Engineer. No contractor shall take or cause to be taken any steps or action that may cause disruption, discontent or disturbance to work, labors or arrangements etc. of other contractors in the project localities. Any action by any contractor, which the Engineer in his unquestioned discretion may consider as infringement of the above code, would be considered as a breach of the contract conditions and shall be dealt with accordingly.

In case of any dispute or disagreement between the contractors, the Engineer's decision regarding the co-ordination, co-operation and facilities

to be proved by any of the contractors shall be final and binding on the contractor concerned and such a decision shall be final and binding on the contractor concerned and such a decision shall not vitiate any contract nor absolve the contractor of his obligations under the contract nor form the grounds for any claim or compensation.

13. ASSISTANCE IN PROCURING PRIORITIES, PERMITS ETC :

The Engineer on a written request by contractor, will, if in his opinion the request is reasonable and in the interest of work and its progress, assist the contractor in securing, the priorities for deliveries, transport, permits for controlled materials etc. where such are needed. The APMC will not however be responsible for the non-availability of such facilities or delays on this behalf and no claims on account of such failure of delays shall be allowed by the APMC.

The contractor shall have to make his own arrangement for machinery required for the work. However if the same is conveniently available with the Department it may be spared as per the rules in force on recovery of necessary Security Deposit and rent at the rate approved from time to time by the independent agreement to this contract and the supply or non supply of machinery shall not form a ground for any claim or extension of time for this work.

14. QUARRIES:

14.1 The contractor(s) shall have to arrange himself/themselves to procure the quarry. However necessary assistance without any extra cost to APMC will be rendered by the Department for procuring the quarries if required by the contractor.

14.2 The quarrying operations shall be carried out by the contractor with proper equipment such as compressor jack hammers, drill bits, explosive etc. and sufficient number of workmen shall be employed so as to get the required output.

14.3 The contractor shall carry out the works in the quarries in conformity with all the rules and regulations already laid down or may be laid down from time to time by APMC. Any cost incurred by APMC due to non-compliance of any rules or regulations or

due to damages by the contractor shall be the responsibility of the contractor.

The Engineer-in-charge or his representative shall be given full facility by the contractor for inspection at all times of the working of the quarry, records maintained, the stocks of the explosives and detonators etc. so as to enable him to check that the working records and storage are all in accordance with the relevant rules. The Engineer-in-charge or his representative shall at any time be allowed to inspect the work, building and equipment at the quarries .

- 14.4 The contractor shall maintain at his own cost the books, register etc. required to be maintained under the relevant rules and regulations and as directed by the Engineer-in-charge. These books shall be open for inspection at all times by the Engineer- in –charge or his representative and the contractor shall furnish the copies or extracts of the books or registers as and when required.

- 14.5 All quarrying operations shall be carried out by the contractor in organized and expeditions manner systematically and with proper planning, the contractor shall engage licensed blaster and adopted electric blasting and /or any other approved method which would ensure complete safety to all the men engaged in the quarry and its surroundings. The contractor shall himself provide suitable magazines and arrange to procure and store explosives etc., as required under the rules at his own cost. The designs and the location of the magazine shall be got approved in advance form the chief inspector of explosives and the rules and regulations in this connection as laid down by the chief inspector of explosives, form time to time shall be strictly adhered to by the contractor. It is generally experienced that it takes time to obtain the necessary license for blasting and license for storage of material form the concerned authorities. The contractor must therefore take timely advanced action for procuring all such licenses so that the work progress may not be hampered.

- 14.6 The approaches to the quarrying place from the existing public roads shall have to be arranged by the contractor at his own cost, and the approaches shall be maintained by the contractor at his own cost till the work is over.
- 14.7 The quarrying operations shall be carried out by the contractor to the entire satisfaction of the Engineer-in-charge and the development of the quarry shall be made efficiently so as to avoid the wastage of stones. Only such stone as are of the Engineer-in-charge, not in accordance with the specifications or of required quality will be rejected at any time, at the quarry or at the site of work. The rejected stones shall not be used on the work and such rejected material shall be removed to the place shown at the contractor's cost.
- 14.8 Since all stones quarried from APMC quarry (if made by the contractor including the excavated over burden are the property of the APMC, no stones or the earth shall be supplied by the contractor to any other agencies or works, and are not allowed to be taken away for any other works. All such surplus quarried materials not required for work under this contract shall be property of the APMC shall be handed over by the contractor to the APMC free of cost at the quarry site duly heaped at the spots indicated by the Engineer-in-charge.. If however the APMC does not require such surplus material, the contractor may be allowed to dispose off or use such material elsewhere with prior written permission of Engineer-in-charge. Leaving off a quarry face of opening of new quarry face shall be done only with the approval of the Engineer-in-charge.
- 14.9 Quarrying permission will have to be directly obtained by the contractor from the Collector of the District concerned for which purpose the Department will render necessary assistance. All quarry fees, royalty charges, Octroi duties ground rent for stacking material etc. if any to be paid shall be paid directly by the contractor as per rules in force.

14.10 The contractor will be permitted to erect at his own risk and the cost at the quarry site if suitable vacant space in APMC area is available for the purpose, his own structures or stores, offices etc. at places approved by the Engineer-in-charge. On completion of the work the contractor shall remove all the structures erected by him and restore the site to its original conditions.

14.11 The contractor shall not use any land in the quarry for cultivation or for any other purpose except that required for breaking or stacking transporting stones.

15 COLLECTION OF MATERIALS :

- (I) Where suitable and approved P.W. Department's quarries exist, the contractor piece of worker will be allowed if otherwise there is no objection to obtain the materials to the extent required for the work from the quarry. He will be however, liable to pay compensation, if any damage is caused to the quarry either deliberately or through negligence or for wastage of materials by himself or his staff or labour. The contractor shall pay necessary royalty in advance.
- (II) Where no suitable P.W. Department's quarries exist or when the quality of the material required cannot be obtained form P.W. Department quarry the contractor or piece-worker shall make his own arrangement to obtain the material from existing or a new quarry in APMC waste land, private land or land belonging to other States or Talukas, etc. After opening the quarry but before starting collection, the quarry shall be got approved by the Engineer-in-charge or his representatives. The contractor or piece workers shall pay all royalty charges compensation etc. No claims or responsibility on account of any obstructions caused to execution of the work by difficulties arising out of private owners of land will be entertained.
- (III) The rates in the tender includes all incidental charges such as opening of new quarry, opening out a new portion in a existing quarry, removing top soil and the unsuitable material, dewatering a quarry, cost of blasting powder and fuse, lift lead, repairs of existing cart tracks, making new cart tracks, control charges Central/State APMC or Municipal taxes.

- (IV) The rates in the tender are for the delivery of approved material on road side property stacked at places specified by Engineer-in-charge and are inclusive of conveyance charges in respect of the leads and lift. No claim on account of the charges in lead will be entertained.
- (V) No material shall be removed from the land within road boundary or the land touching it without the written permission of the Engineer-in-charge or his authorized agent. If any material is unauthorized obtained from such places, the contractor or piece worker shall have to make good the damages and pay such compensation, in addition as may be decided by the Chairman, and will have stop further collection.
- (VI) Any material that on any road from the cart etc. during conveyance shall be immediately picked up and removed by the contractor or piece worker, failing which it will be got removed departmentally at his cost. No heap shall be left prior to stacking even temporarily on the road surface or in any way so as to cause any obstruction or danger to the traffic. The contractor or the piece worker shall be liable to pay for any claims of compensation etc. arising out of accident etc. Any such material causing obstruction danger etc. Will be got removed departmentally at his cost and no claims for any loss or damage to the material, thus removed, will be entertained. The contractor shall also be responsible for the damage or accident etc. arising out of any material that falls on the road or track, not in charge of the Department and shall attend to any complaints, which may be received.
- (VII) The material shall not be stacked in place where it is liable to be damaged or lost due to traffic passing over it, to be washed away by rains or flood, to be buried under the land slide etc. or to slip down on embankment or hill side etc. No claims for any loss due to these and similar causes will be entertained.
- (VIII) Before stacking, the material shall be free from all earth, rubbish, begettable matter, and other extraneous substances and in the course of metal, screened to gauge, if so directed. When ready, it shall be stacked entirely clear of the roadway, on ground which has been cleaned of vegetation and leveled. On high banks, Ghat roads etc. where it may not

be practicable to stack it entirely clear of the roadway, it may be stacked with the permission of the Engineer-in-charge on berms in such a way as to cause minimum danger and obstruction to the traffic or as may be directed by him.

(IX) No. deduction will be made for voids.

16. TEMPORARY QUARTER AND SITE OFFICE :

(1) The contractor shall at his own expenses maintain sufficient experienced supervisory staff etc. required for the work and shall make his own arrangements, provide housing for them with all necessary arrangements

including fire preventive measures etc. as directed by the Engineer - in - charge.

(2) The contractor shall provide, furnish, maintain and remove on completion of the work, a suitable office on the work site for the use of Chairman's representative. The covered area exclusive of verandah should not be less than 37.17 Sq.M. It may have bamboo matting walls and asbestos or corrugated iron roof, paved floor should be 45 cm. above ground level. He should provide latrines, urinals and keep them clean daily. This will be supposed to be included in his rate.

17. TREASURE TROVE :

In the event of discovery by the contractor or his employees, during the progress of the works of any treasure, fossils, minerals or any other articles or value or interest the contractor shall give immediate intimation thereof to the Engineer such Treasure or thing which shall be the property of the APMC.

18. PATENTED DEVICES, MATERIALS AND PROCESSES :

Whenever the contractor desires to use any designed device, materials or process covered by letter of patent or copy right, the right for such use should be secured by suitable legal arrangement and agreement with patent owner and a copy of their agreement shall be filed with the Engineer-in-charge if so desired by the latter.

19. EXPLOSIVES :

The contractor shall at his own expenses contract and maintain proper magazines, if surcharge required for the storage of explosive for use in connection with the works such magazine being situated, construction and maintained in accordance with the APMC prevalent rules applicable on that behalf. The contractor shall at his own expense obtain such license or licenses as may be necessary for storage and using explosives. Notwithstanding that the location etc. for storage of explosives are approved by the Engineer, the Govt. shall not bear any responsibility whatsoever in connection with the storage and use of explosive on the site or any accident or occurrence what so ever in connection there with, all operations of the contractor in or for which explosive employed being at the risk of the contractor and upon his sole responsibility in respect thereof.

20. DAMAGE BY FLOODS OR ACCIDENTS :

The contractor shall take all precautions against damages by floods or from accident etc. No compensation will be allowed to the contractor on this account or for correcting and repairing any such damage to the work during construction. The contractor shall be liable to make good at his cost any plant or materials belonging to the APMC, lost or damaged by floods or from any other cause while is in his charge.

21. POLICE PROTECTION :

For the special protection of camp of the contractor's works, the Department will help the contractor as far as possible to arrange for such protection with the concerned authorities. The cost is borne by the contractor.

22. SUPERVISION AND INSPECTION OF WORKS AND QUALITY CONTROL

22.1 SUPERVISION :

The contractor shall either himself supervise the execution of the works or shall appoint the competent agent approved by the Engineer-in-charge the contractor has himself no sufficient knowledge and experience of receiving instruction or can not give his full attention to the works, the contractor shall at his own expenses, employ as his accredited agent in qualified Engineer approve by the Engineer-in-charge.

Orders given to the contractor's agent shall be considered to have the force as if these had been given to the contractor himself. If the contractor fails to appoint a suitable agent as directed by the Engineer-in-charge, the Engineer charge shall have full power to suspend the execution of the work until such date a suitable agent is appointed and the contractor shall be responsible for the delay so caused to the works and contractor shall not be entitled for any compensation on this behalf.

22.2 INSPECTION :

The contractor shall inform the Engineer-in-charge in writing when any portion of the work is ready for inspection giving him sufficient notice to enable him to inspect the same without affecting the further progress of the work. The work shall not be considered to have been completed in accordance with the terms of the contract until the Engineer-in-charge shall have certified in writing to that effect. Approval of materials or workmanship or approval of part of the work during the progress of execution shall not bind the Engineer-in-charge or in any way effect him even to reject the work which is alleged to be completed and to suspend the issue of his certificate of completion until such alteration and modification or reconstruction have been effected at the cost of the contractor as shall enable him to certify that the work has been complete to his satisfaction.

The contractor shall provide at his cost necessary ladders and such arrangements as to provide necessary facilities and assistance for proper inspection of all parts of work at his own cost.

23. INITIAL MEASUREMENTS FOR RECORD :

Where, for proper measurements of the work, it is necessary to have an initial set of levels or other measurements taken, the same recorded in the authorized field book or measurement book of APMC by the Engineer or his authorized representative will be signed by the contractor who will be entitled to have a copy of the same made at his cost. Any failure on the part of the contractor to get such levels etc. recorded before starting the work, will render him liable to accept the decision of the Engineer as to the basis of taking measurements.

Likewise the contractor will not cover any work, which will render its subsequent measurements difficult, or impossible without first getting the same jointly measured by himself and the authorized representatives of the Chairman, The contractor will sign the record of such measurements on the APMC side and he will be entitled to have a true copy of the same made at his cost.

24. SAMPLES AND TESTING OF MATERIALS :

- 24.1 All materials to be used on work shall be got approved in advance from the Engineer-in-charge and shall pass the tests and analysis required by him, which will be
- (a) as specified in the specifications for the items concerned and/or
 - (b) as specified by the Indian Road Congress Standard Specifications and code of practice for Road and Bridge or
 - (c) I.S.I. Specification (whichever and wherever applicable) or
 - (d) such recognized specifications acceptable to the Engineer-in-charge as equivalent their to or in the absence of such authorized specification.
 - (e) such requirements test and / or analysis as may be specified by the Engineer in charge in the order of procedure given above.
- 24.2 The contractor shall at his risk and cost make all arrangements and / or shall provide for all such facilities as the Engineer-in-charge may require for collecting preparing testing required number of samples for tests or for analysis at such time and to such place or places as may be directed by the Engineer and bear all charges and cost of testing. Such samples shall also be deposited with the Engineer-in-charge.
- 24.3 The contractor shall as and when required submit at his cost the samples of materials to be tested or analyzed and if, so directed, shall not make use or incorporate in the work any materials represented by the samples until the required analysis have been made and after the test of the materials, finally accepted by the Engineer-in-charge.
- 24.4 The contractor shall not be eligible for any claim or compensation, either rising out of any delay in the work or due to any corrective

measures required to be taken on account of and as a result of testing of the materials .

- 24.5** The contractor or his authorized representative will be allowed to remain present in the departmental laboratory while testing samples furnished by him. However the results of all the tests carried out in the departmental laboratory in the presence or absence of the contractor or his authorized representative will be binding on the contractor.
- 24.6** Cost of routine day quality control testing charges for tests required as per specifications will be borne by contractor by sending the same to the concerned APMC Laboratories.
- 24.7** The contractor shall have at his own cost set up laboratory to carry out the routine tests of material, which are to be used on the work. The test will have to be carried out either in his field laboratory or in an approved laboratory. In case tests are carried out in field laboratory at least 50% testing should be carried out at the nearest quality control laboratory of the Department.
- 24.8** In case of material procured by the contractor, testing as required by the codes and specifications shall be arranged by him at his own cost. Testing shall be done in the presence of authorized representative of the Engineer-in-charge at he nearest approved laboratory. If additional testing other than as required by specifications is ordered, the testing charges shall be borne by the Department. If the test results are satisfactory and by the contractor if the same are not satisfactory.
- 24.9** In case of material supplied by the APMC. If the contractor demands certain testing, the charges thereof shall be paid by the contractor. If the test results are satisfactory and by the department if the same are not satisfactory.
- 24.10** Testing shall be carried out at approved APMC Laboratories or institutions are directed by Engineer-in-charge and all testing charges shall be borne by the contractor.
- 24.11** 15% of the rate shall be withheld and shall be released only after the receipt of the satisfactory test results whenever specified excluding

concrete items. “ Routine test shall mean testing of aggregate for gradation, flakiness index, impact value and binder contents”

24.12 Mix design of concrete items where specified shall be brought by the contractor at his own cost, from approved laboratory. Also testing of high tensile steel is to be done by the contractor at his own cost.

25. MISCELLANEOUS :

- 1) Rate shall be inclusive of Sale Tax, Turnover Tax, Octroi duty, General Tax, Royalty, and other taxes etc.
- 2) For providing electric wiring or water lines etc. recesses shall be provided if necessary through walls, slabs, beams etc. and later on refilled it with bricks or stones chipping cement mortar without any extra cost.
- 3) In case it becomes necessary for the due fulfillment of contract for the contractor to occupy land outside the Department limits, the contractor will have to make his own arrangements with the land owners and pay such rents, if any, are payable as mutually agreed between them. The Department will afford the contractor all the reasonable assistance to enable him to obtain APMC land for such purpose of usual terms and conditions as per rule of APMC.
- 4) The special provision in detailed specification or wording of any item shall gain precedence over corresponding contradictory provision(if any) in the standard specifications or P.W.D. Hand Book where reference to such specifications is given without reproducing details in contract. Decision of the Engineer in charge shall be final in case of interpretation of specifications.
- 5) Suitable separating barricades and enclosures as directed shall be provided to separate material brought by contractor and material issued by APMC to contractor under schedule “A” same applies of the material obtained from difference sources of supply.
- 6) It is presumed that the contractor has gone carefully through the standard specification (Vol. I& II 1981 edition) M.O.S.T. Specifications(edition 1995) and the schedule of rate of the Division, and studied the site condition before arriving at rates quoted by him.

- 7) The stacking and storage of building materials at site shall be in such a manner as to prevent deterioration or inclusion of foreign materials and to ensure the preservation of the quality, properties and fitness of the work. Suitable precautions shall be taken by contractor to protect the materials against atmospheric fire and other hazard. The materials likely to be carried away by wind shall be stored in suitable stores or with suitable barricades and where there is likelihood of subsidence of soil, heavy materials shall be stored on paved platforms. The contractor shall at his own expenses engage watchman for guarding the material and plant and machinery and working during day and night against any pilferage or damage and also for prohibiting trespasser.
- 8) The contractor shall be responsible for making good the damages done to the existing property during construction by his men.
- 9) If it is found necessary from safety point of view to test any part of the structure, the test shall be carried out by the contractor with the help of the Department at his own cost.
- 10) The contractor shall provide, maintain, furnish and remove on completion temporary shed for office on work side for the use of Chairman's representative.
- 11) Defective work is liable to be rejected at any stage. The contractor on no account can refuse to rectify the defects merely on reasons that further work has been carried out. No extra payment shall be made for rectification.
- 12) In the Schedule 'B' the work has been divided into sections but notwithstanding this, every part of it shall be deemed supplementary to and complementary of every other part.
- 13) General directions or detailed description of work, material and items coverage of rates given in the specification are not necessarily repeated in the Bill of Quantities/item wise specifications. Reference is however, drawn to the appropriate section clause(s) of the General specifications in accordance with which the work is to be carried out.
- 14) In the absence of specific directions to the contrary, the rates and the prices inserted in the items are to be considered as the full inclusive

rates and prices for the finished work described there under and are to cover all labour, materials, wastage, temporary work, plant overhead charges and profits, as well as the general liabilities, obligations and risks arising out of the General Conditions of contract.

- 15) The quantities set down against the item in the Schedule 'B' are only estimated quantities of each kind of work included in the contract and are not to be taken as a guarantee that the quantities scheduled will be carried out or required or that they will not be exceeded.
- 16) All measurements will be made in accordance with the methods indicated in the specifications and read in conjunction with the General conditions of contract.
- 17) The details shown on drawings and all other information pertaining to the work shall be treated as indicative and provisional only and are liable to variation as found necessary while preparing working drawings which will be supplied by the APMC during execution. The contractor shall not, on account of such variation be entitled to any increase over the ones quoted in the tender which are on quantity basis.
- 18) The recoveries if any from contractor will be effected as arrears of land revenue through the collector of the District.
- 19) Clause 101 to 107 of specifications of Road and Bridge work adhered herewith will be applicable to works as per Schedule 'B' unless specified otherwise in the detailed specifications of the relevant items.

26.0 CHANGE OF CEMENT CONTENTS ETC :

The tendered rates for any items, involving the use of cement shall apply to the quantity of cement specified for the mix for that item in the specifications. If for any reasons, except those required for compensating the deficiencies in the components, the cement content and properties are altered by the Engineer in charge (Engineer-in-charge) at any time or from time to time the tendered rates for that particular item and quantity or quantities, reduction in cost of the cement content from the laid down in the specification at the rates. Specified in D.S.R. of the

district on which the estimate is based plus 10% to cover all other incidental change whatever.

Likewise if any additives compounds, water proofing materials etc. are ordered by the Engineer to be added to the mortar or concrete, no extra rate shall be payable for this change which shall be carried out as per directions of the Engineer-in-charge provided cost of such additives etc. is borne by APMC or these are supplied free of costs to contractor at site by the APMC.

27. CEMENT CONCRETE :

- a) The contractor shall carry out all preliminary tests to work out grading and proportioning of aggregates in order to obtain and maintain uniform quality of work. The contractor shall supply all materials, labour and testing cost for preparing and testing samples as required by the Engineer. Unless otherwise specific in the detailed item wise specifications 3 cubes 150 mm x 150 mm x 150 mm will be tested for every 15 cubic meters of concrete or per day whichever is higher. The contractor shall make field arrangements for slump test, density and bulk age testing and also prepare concrete cubes 150 mm x 100 mm x 150 mm for testing compressive strength, at his cost. The cubes shall be got tested at approved laboratory and the test results shall not fall below those prescribed in P.W.D. Hand Book (Table CV P. 412) or as laid down in the specifications. The cost of such cubes and tests shall be entirely borne by the contractor.
- b) All concrete shall be machine mixed, unless otherwise directed by the Engineer-in-charge for controlled or high grade concrete, the grading of aggregate shall be got approved from the Engineer. The correct proportions and the total amount of water for the mix will be determined by means of preliminary tests and shall be got approved by the Engineer-in-charge however, such approval does not relieve the contractor from his responsibility regarding the minimum works strength requirements. Work test shall be taken in accordance with relevant codes and specifications. The proportioning of aggregate shall be done by weight, if so ordered by the Engineer.

- c) All mixing shall be done by mechanical means in approved mixers. The Engineer may at his discretion, allow in writing hand mixing of concrete for minor items where in small quantities are involved but in that cases the contractor shall increase the cement content of the mixture by 10% without any extra cost.
- d) The form work used shall be made invariably of steel/with lining of steel or with plywood lining, wooden shutters may be allowed at the discretion of the Engineer, lintels, small slabs and beams, copping etc.
- e) The concrete shall be mechanically vibrated for proper compaction by the method approved by the Engineer.
- f) The concrete shall be cured only by sweet potable water for full 21 days after the time of its placement or as may be directed by Engineer-in-charge.

27.1 Reinforced concrete work :

- a) The work included in this contract shall be carried out in addition to this specifications detailed herein, in accordance with specifications and regulations as down the following standard specifications.
 1. Standard Specification published by APMC of Maharashtra 1985 Edition.
 2. I.S. 8112:-1989–Specification for 43 grade ordinary port land cement.
 3. I.S. 383 : 1976 – Specifications for coarse and fine aggregate from natural course for concrete.
 4. I.S. 1786 :- 1985- Specifications for cold twisted bars.
 5. I.S. 432 :- 1982- Specifications for mild steel and medium steel bars.
 6. I.S. 456 :- 2000- Code of practice for plain and reinforced concrete.

Note 1 43 grade ordinary Portland cement (Conforming IS 8112) shall be used for all RCC & other items, related to cement.

Note 2 Steel for reinforcement shall be procured only from reputed companies having ISI mark on it. If the standard specifications quoted above fall short for the items quoted in

these

Schedules of this contract reference shall be made to the latest British Standard of Specifications. If any of the items of contract do not fall in reference quoted above the decision and specifications of the Engineer shall be final

28.0 ADDITIONAL GENERAL SPECIFICATION FOR ORDINARY AND HIGH GRADE CONCRETE :

1. If the concrete strength falls below that specified for the items and if the use can be permitted under clauses 303.3.7 of the I.R.C. Bridge code section. III given below, the unit may be accepted at the discretion of the APMC concerned as a substandard work at a suitable reduced rate, reduced rate will be determined by the Chairman concerned according to circumstances of the case and the concerned APMC's approval to the reduced rate as mentioned above is necessary.
“ Standard specification and code of Practice for Road and Bridge, Section III Cement concrete 303.3.7 standard of acceptance”.
- i) Full payment should be made when 75% of the test cube results are equal and above specified strength. Cases failing outside the above limits should be examined and decided by the Engineer-in-charge on merits on each case.
- ii) The test specimen should be taken by representative of the contractor in presence of a responsible officer of the rank of not lower than an Assistant Engineer/Deputy Engineer.
- iii) The test specimen should be formed carefully and no claim shall be entertained later on, on the ground that the casting of the test specimen were faulty and that the results of the test specimen did not give correct indication of the actual quality of concrete.

- iv) The minimum quantity of cement per one cubic meter of M-15 grade and above concrete should be as per standard specification Book specification B 7-4 on page 39 (1979 Edition).
- v) Payment : a) The payment of such concrete work will not be made till the strengths are ascertained.
 - b) The payment of reinforcement of such affected items will not be made till the strengths of the concrete are ascertained.
- vi) The centering to be used for execution of any concrete items shall be strictly in accordance with specifications for formwork and steel centering given on page 65 to 67 of this documents. No concreting shall be executed without prior approved to the centering from the Engineer-in-charge

28. MISCELLANEOUS :

Rate shall be inclusive of M-vat Tax, Turnover Tax, Octroi Duty, General Tax and other axes etc.

Income Tax:-

The income tax @ 2.00 % and surcharge thereon or at the rates amended from time to time as intimated by competent Income Tax Authority shall be deducted from bill amount, whether measured bill, advance payment or secured advance. For providing electric wiring or water lines etc. recesses shall be provided if necessary through walls , slabs , beams etc. and later on refilled up with bricks or stone chipping , cement mortar without any extra cost. In case it becomes necessary for the due fulfillment of contract for the Contractor to occupy land outside the Department limits , the Contractor will have to make his own arrangements with the land owners and to pay such rents if any are payable as mutually agreed between them. The Department will afford the contractor all the reasonable assistance to enable him to obtain APMC land for such purpose on usual terms and conditions as per rules of APMC .

The special provision in detailed specifications or wording of any item shall gain precedence over corresponding contradictory provision (if any) in the standard specifications or P.W.D. Hand Book where reference to such

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

specifications is given without reproducing details in contract . Decision of the Engineer in charge shall be final in case of interpretation of specifications.

Suitable separating Barricades and enclosures as directed shall be provided to separate material brought by contractor. and material issued by APMC to contractor under schedule 'A' same applies for the material obtained from difference sources of supply . It is presumed that the contractor has gone carefully through the standard specifications of P.W.D. Hand Books and M. O. S. T. specifications and the schedule of Rate of the Division and studied the site conditions before arriving at rates quoted by him.

. The stacking and storage of construction material at site shall be in such a manner as to prevent deterioration or intrusion of foreign matter and to ensure the preservation of their quality, properties and fitness for the work. Suitable precautions shall be taken by the Contractor to protect the material against atmospheric actions, fire and other hazards. The materials likely to be carried away by wind shall be stored in suitable stores or with suitable barricades and where there is likely hood of subsidence of soil , such heavy materials shall be stored on paved platforms. The contractor shall at his own expenses engage watchmen for guarding the materials and plant & machinery and the work during day and night against any pilferage or damage and also for prohibiting trespassers.

9. The Contractor shall be responsible for making good the damages done to the existing property during construction by his men.
10. If it is found necessary from safety point of view to test any part of the structure , the test shall be carried out by the Contractor with the help of the Department at his own cost.
11. The contractor shall provide , maintain , furnish and remove on completion , temporary shed for office on work site for the use of Chairman's representative.
12. Defective work is liable to be rejected at any stage. The contractor on no account can refuse to rectify the defects merely on reasons that further work has been carried out. No extra payment shall be made for rectification.

13. In case in the Schedule 'B' the work has been divided into sections but notwithstanding this, every part of it shall be deemed supplementary to and complementary of every other part.
14. General directions or detailed description of work, materials and items coverage of rates given in the specification are not necessarily repeated in the Bill of Quantities / Itemwise specifications. Reference is , however , drawn to the appropriate section clause (s) of the General specifications in accordance with which the work is to be carried out.
15. In the absence of specific directions to the contrary , the rates and prices inserted in the items are to be considered as the full inclusive rate and prices for the finished work described thereunder and are to cover all labour , materials, wastage , temporary work, plant, overhead charges and profits , as well as the general liabilities , obligations and risks arising out of the General Conditions of contract.
16. The quantities set down against the item in the Schedule 'B' are only estimated quantities of each kind of work included in the Contract and are not to be taken as a guarantee that the quantities scheduled will be carried out or required or that they will not be exceeded.
17. All measurements will be made in accordance with the methods indicated in the specification and read in the conjunction with the General Conditions of Contract .
18. The details shown on drawings and all other information pertaining to the work shall be treated as indicative and provisional only and are liable to variation as found necessary while preparing working drawing which will be supplied by the APMC during execution. The Contractor shall not , on account of such variation be entitled to any increase over the ones quoted in the tender which are on quantity basis.
19. The recoveries if any from contractor will be effected as arrears of land revenue through the Collector of the District.

29.0 PROTECTION OF UNDERGROUND TELEPHONE CABLE AND AERIAL TELEPHONE WIRES AND POLES, TRANSMISSION TOWERS, ELECTRICAL CABLES AND WATER SUPPLYING LINES.

During the execution of work, it is likely that the contractor may meet with telephone cable, electrical cable, water supply lines etc. it will therefore be the responsibility of the contractor to protect them carefully all such cases should be brought to the notice of the Engineer-in-charge by the contractor and also the concerned Department. Any damages whatsoever done to these cables and pipelines by the contractor shall be made good by him at his cost.

30.0 MEDICAL AND SANITARY ARRANGEMENTS TO BE PROVIDED FOR LABOUR EMPLOYED IN THE CONSTRUCTION BY THE CONTRACTOR:

- a) The contractor shall provide an adequate supply of pure and wholesome water for use of laborers on works and in campus.
- b) The contractor shall construct trench or semi permanent latrines for the use of the Laborers. Separate latrines shall be provided for men and women.
- c) The contractor shall build sufficient number of huts on a suitable plot of land for use of laborers according to the following specifications:-
 - (1) Huts of Bamboos and Grass may be constructed.
 - (2) A good site not liable to submergence shall be selected on high ground remote from jungle but well provided with trees, shall be chosen wherever it is available. The neighborhood of tank, jungle, trees or woods should be particularly avoided, camps should not be established close to large cuttings of earthwork.
 - (3) The lines of huts shall have open space of at least ten meters between rows. When a good natural site cannot be procured, particular attention should be given to the drainage.
 - (4) There should be no overcrowding. Floor space at the rate of 2.78 Sqm. per head shall be provided. Care should be taken to see that the huts are kept clean and in good order.
 - (5) The contractor must find his own land and if he wants APMC land, he should apply for it. Assessment for it if

demanded will be payable by contractor. However the Department does not bind itself for making available the required land.

- (6) The contractor shall construct a sufficient number of bathing places. Washing places should also be provided for the purpose of washing cloths.
- (7) The contractor shall make sufficient arrangement for drainage away the surface & sewage water as well as water from the bathing and washing places and shall dispose of this waste water in such a way as not to cause any nuisance .
- d) The contractor shall engage a Medical Officer with a traveling dispensary for camp containing 500 or more persons if there is no APMC or other private dispensary situated within 8 km. from the camp. In case of an emergency the contractor shall arrange at his cost free transport for quick medical help to his sick worker.
- e) The contractor shall provide the necessary staff for effecting a satisfactory conservancy and cleanliness of the camp to the satisfaction of the Engineer-in-charge. At least one sweeper per 200 persons should be engaged.
- f) The Assistant Director of Public Health shall be consulted before opening a labor camp and his instructions on matters such as water supply sanitary conveniences, the campsite accommodation and food supply shall be followed by contractor.
- g) The contractor shall make arrangements for anti-malarial measures to be provided for the laborers employed on the work. The anti-malarial measures shall be provided as directed by Assistant Director of Public Health.
- h) Where laborers are required to work near machines and are liable to meet with accidents they should not be allowed to wear loose clothes like dhoti, zabba etc.

31.0 SAFETY MEASURES AND AMENITIES :

The contractor shall take all necessary precautions for the safety of the workers and preserving their health's while working on such job as

require special protection and precautions wherever required. The following are some of the requirements listed, though not exhaustive. The contractor shall also comply with the directions issued by the Engineer in this behalf from time to time and at all times.

- (1) Providing protective foot-wear to workers, in situations like mixing and placing of mortar or concrete, in quarries and place where the work is to be done under too much wet conditions as also for movements over surfaces infected with oyster growth etc.
- (2) Providing protective head wear to workers, working in quarries etc. protect them against accidental fall of materials from above.
- (3) Taking such normal precautions like providing hand rails to the edges of the floating platform or barges, not allowing nails or metal parts or useless timber to spread around it.
- (4) Supporting workmen with proper belts, ropes etc. when working on any masts, cranes, crips, hoist, dredgers etc.
- (5) Taking necessary steps forwards training the workers concerned on the use of machinery before, they are allowed to handle it independently and taking all necessary precautions in and around the areas where machines, hoists and similar units are working.
- (6) Providing adequate number of boats (if at all required for playing in water) to prevent overloading and over crowding.
- (7) Providing life belts to all men working at such situations, from where they may accidentally fall into the water, equipping the boars with adequate number of life belt etc.
- (8) Avoiding bare live wires etc. as would electrocute workers.
- (9) Making all platforms, staging and temporary structures sufficiently strong so as not to cause inconvenience and risk to the workmen and supervisory staff to take un due risks.
- (10) Providing sufficient first and trained staff and equipment to be available quickly at the work site to render immediate first aid treatment in case of accidents due to suffocation's, drawing and other injuries.
- (11) Take all necessary precautions with regard to us of divers.

- (12) providing full length gum boots, leather hand gloves leather jackets with fire proof apron to cover the chest and back reaching up to knees and protective goggles for the eyes to the laborers working with hot asphalt handing vibrator in cement concrete and also where use of any or all these items is beneficial in the interest of health and well being of the laborers in the opinion of the Engineer.
- (13) Suitable scaffolds shall be provided for workmen for all works that can not safely be done from the ground or from solid construction except such short period work as can be done safely from ladders. When ladder is used, an extra ardor shall be engaged for holding the ladder and if the ladder is used for carrying the materials as well as suitable footholds and handholds shall be provided on the ladder and ladder shall be given an inclination not steeper than 1:4(1 horizontal and 4 vertical).
- (14) Scaffolding or staging more than 3.25 meters above the ground or floors, swing or suspended from an overhead support or erected with stationery supports shall have a guard rail properly attached, bolted, breached and otherwise assured at least one meter high above the floor or platform of such scaffolding or staging and extending along the entire length of the outside and ends thereof with only such openings as may be necessary for delivery of materials. Such scaffolding or staging shall be so fastened as to prevent if from swaying from the building or structure.
- (15) Working platform, gangways and stairways shall be so constructed that they do not sag unduly or are more than 3.25 meters above ground level or floor level. It shall be loosely boarded, have adequate width and be suitably fenced as described in 2 above.
- (16) Every opening in floor of the building or in a working platform shall be provided with suitable protection to prevent fall of person or materials by provided suitable fencing or railing with minimum height of 1 meter.
- (17) Safe means of access shall be provided to all working platforms and other working places. Every ladder shall be securely fixed. No portable single ladder shall be over 9 meters in length, width between side rails in hung ladder shall in no case may be less than 30 cms. for ladders up to and

including 3 meters in length. For longer ladders, this width shall be increased at least 6 mm for each additional 30 cms of length uniform step shall not exceed 30 cms.

- (18) Adequate precautions shall be taken to prevent danger from electrical equipment. No materials on any or the sites shall be stacked or placed as to cause danger or inconvenience to any person or the public. The Contractor shall provide all necessary fencing and light to protect public from accident and proceeding of law that may be brought by any person for injury sustained owing to neglect of the above precaution and to pay any damages and costs which may be awarded in any such suit action or proceedings to any such person or which may with the consent of the Contractor, to be paid to compromise any claim by any such person.
- (19) All necessary personal safety equipment as considered adequate by the Engineer-in-charge shall be available for use or persons employed on the site and maintained in a condition suitable for immediate use and the Contractor shall take adequate steps to ensure proper use of equipment by those concerned.
- a) Workers employed on mixing asphaltic materials, cement or lime mortars concrete shall be provided with protective footwear and protective footwear and protective goggles.
 - b) Those engaged in handling any materials, which is injurious to eyes shall be provided with protective goggles.
 - c) Those engaged in welding works shall be provided with welder's protective eye shields.
 - d) Stonebreaker shall be provided with protective goggles and protective clothing and seated at sufficiently safe intervals.
 - e) When workers are employed in sewers and manholes which are in use, the Contractor shall ensure that manhole covers are opened and manholes are ventilated at least for an hour before workers are allowed to get into them. Manholes opened shall be cordoned off with suitable railing and provided with warning signals or boards to prevent accident to public.

- f) The Contractor shall not employ, men below the age of 18 years and the women on the work of painting with products containing lead in any form. Wherever men above the age of 18 years are employed on the work of lead painting, the following precautions shall be taken.
- i) No paint containing lead or lead product shall be used except in the form of paste or ready-made paint.
 - ii) Suitable facemasks shall be supplied for use by workers when paint is applied in the form of spray or surface having lead paint, dry rubbed and scrapped.
 - iii) Overalls shall be supplied by the Contractor to workmen and adequate facilities shall be provided to enable working painters to have wash during and on cessation of work.
- g) When work is done near any place where there is risk of drawing all necessary equipment shall be provided and kept ready for use and all necessary steps taken for prompt rescue of any person in danger and adequate provision made for prompt first aid treatment of all injuries likely to be sustained during the course of the work.
- Use of hoisting machines and shackle including their attachments, anchorage, supports shall conform to the following.
- a)
 - i) These shall be of good mechanical construction, round materials and adequate strength and free from patent defects and shall be kept in good working order.
 - ii) Every rope used in hoisting or lowering materials or as means of suspension shall be of durable quality and of adequate strength and free from patent defects.
 - b) Every crane driver or hoisting appliance operator shall be properly qualified and no person under the age of 21 years shall be in charge of any hoisting machine including any scaffolding.
 - c) In case of every hoisting machine and of every chain, ring, hook, shackle and pulley block used in hoisting or lowering or means of suspension, safe working load shall be ascertained by adequate means. Every

hoisting machine and all gear referred to above shall be clearly marked with safe working load.

In case of a hoisting machine having a variable safe working load, each safe working load and the conditions under which it is applicable shall be clearly indicated. No part of any aching or of any gear referred to above in this paragraph shall be loaded beyond safe working load except for the purpose of testing.

- d) In case of departmental machines safe working load shall be notified by the Engineer-in-charge. As regards Contractor's machines, Contractor shall notify safe working load of each machine to the Engineer-in-charge whenever, he brings it to site of work and get it verified by the Engineer-in-charge. Motors, gearing transmission, electric wiring and other dangerous parts of hoisting appliances shall be provided with such means as will reduce the minimum risk to the accidental descent of load. Adequate precautions shall be taken to reduce to the minimum the risk of any part of a suspended load becoming accidentally displaced, when workers are employed. On electrical installations, which are already, energized insulating wearing materials approved such as gloves, sleeves and coats as may be necessary, shall be provided. Workers shall not wear any rings, watches and carry keys and other materials, which are good conductor of electricity.

As scaffolds, ladders, and other safety devices mentioned or described herein shall be maintained in a safe condition and no scaffold ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities shall be provided at near places of work.

- e) These safety provisions shall be brought to the notice of all concerned by display on a notice board at a prominent place at the work spot. Persons responsible for ensuring compliance with the safety code shall be named therein by the Contractor.
- i) To ensure the effective enforcement of the rules and regulations relating to safety precautions, arrangements made by the

Contractor shall be open to inspection by the Engineer- in –charge or his representative and the inspecting officers.

- ii) Failure to comply with the provisions here under shall make the Contractor liable to pay to the department as penalty an amount not exceeding Rs. 50/- for each default and decision of the Engineer-in-charge shall be final and binding.

Notwithstanding the above conditions the Contractor is not exempted from the operation of any other Act or rules in force.

32. EXCAVATION AND TRENCHING :

All trenches, 1.5 meters or more in depth, shall at all times be supplied with at least one ladder for each 30 meters in length or fraction thereof. Ladder shall be extended from bottom of trench to at least 1 meter above surface of the ground, side of trench which is 1.5 meter or more in depth shall be stepped back to give suitable slope, are security held by timber bracing, so as to avoid the danger of side collapsing. Excavated materials shall be placed with 1.3 meters of edge of trench or half depth of trench whichever is more. Cutting shall be done from top to bottom. Under no circumstances shall undermining or undercutting be done.

33. DEMOLITION:

Before any demolition work is commenced and also during the process of the work.

- a) All roads and open areas adjacent to the work site shall either be closed or suitably protected.
- b) No electric cable or apparatus , which is liable to be a source of danger or a cable or apparatus used by operator, shall remain electrically charged.
- c) All practical steps' shall be taken to prevent danger to persons employed, from risk or fire or explosion or hooding. No floor, roof or other part of a building shall be so overload with debris of materials as to render it unsafe.

34. SCOPE OF RATES FOR DIFFERENT ITEMS OF WORKS :

For item rate contract, the contract unit rates for different items of work shall be paid in full for completing the work to the requirements of specification including full compensation for all the operation detailed in the relevant sections of these specification under "Rates". In the absence of any direction to the contrary, the rates are to be considered as the full inclusive rate for finished work covering all labors, Materials wastage, temporary work, plant equipment. Over head charges and profit as well as the general liabilities, obligations and risks arising out of the General Conditions of Contract.

The item rates quoted by the contractor shall, unless otherwise specified, also include compliance with supply of the following :

- i) General works such as setting out clearance of site before setting out and clear range of works after completion.
- ii) A detailed programme for the construction and completion of works (using CPM/PERT techniques) giving, in addition to the construction activities, detailed network activities for the submission an approval of materials, procurement of critical materials and equipment, fabrication of special products/equipment, and their installation and testing and for all activities of the employer that are likely to effect the progress of work, etc. including updating of all such activities on the basis of the decisions taken at the periodic site review meeting or as directed by the Engineer.
- iii) Samples of various material proposed to be used on the work for conducting tests thereon required as per the provisions of the contract.
- iv) Design if mixes as per the relevant clauses of the specifications giving proportions of ingredients, sources of aggregates and binder along with accompanying trial mixes as per the relevant clauses of these specifications to be submitted to the Engineer for his approval before use of in the works,
- v) Detailed design calculations and drawing for all Temporary works (such as formwork, staging, centering, specialized constructional handling and launching equipment and the like.) :

- vi) Detailed drawing for templates, support and end anchorage, details for prestressing, cable, profiles, bars bending and cutting schedules for reinforcement, material lists for fabrication and structural steel etc.
- vii) Mill test reports for all mild and high tensile steel and cast steel as per the relevant provision of the specifications.
- viii) Testing of various finished items and materials including bitumen, cement, concrete, bearing as required under these specifications and furnishing test reports/certificates :
- ix) Inspection Reports in respect of form work, staging reinforcement and other items of work as the relevant specification.
- x) Any other data which may be required as per these specifications or the conditions of contract or any other annexure/schedules forming part of the contract.
- xi) Any other item of work which is not specifically provided in the bill of quantities but which is necessary for complying with provisions of the contract and
- xii) All temporary works and false work. Portion of roads works beyond the limits and or any other work may be got constructed by the employer directly through other agencies. According, other agencies employed by the employer may be working in the vicinity of the work being executed by the contractor. The contractor shall liaise with such agencies and adjust his construction programme for the completion of work accordingly and no claim or compensation due to any reason what so ever will be entertained on this account. The employer will be indemnified by the contractor for any claims from other agencies on this account.
- xiii) All prevailing taxes levied by APMC and as amended from time to time.

35. PAYMENTS :

The contractor must understand clearly that the rates quoted are for completed work and include all costs due to labour scaffolding, plant, machinery, supervision, power, royalties, octroi taxes etc. and should also include all expenses to cover the cost of night work if and when

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

required and no claim for additional payment beyond the prices or rates quoted will be entertained.

The mode of measurements has been indicated in the specifications, if there is any ambiguity or doubt in this respect, the decision of APMC will be final.

a) **RUNNING BILLS :**

Payments in a month will be granted by Engineer-in-charge if the progress is satisfactory. Contractor should submit bills to the Engineer-in-charge in appropriate forms. The payments for work done will be made as and when the funds are available under this head and no claims whatsoever from agency on account of delay in payment will be entertained by the department.

b) **FINAL BILL :**

The contractor should submit final bill within one month after completion of the work and the bill will be paid within 5 months if it is in order. Disputed item and claims if any shall be excluded from the final bill and settled separately latter on .

36. **CLAIMS :**

The contractor must note that this work has to be executed from the funds financed by the social welfare Department. As such no claim will be entertained unless the same is approved by the Engineer in charge.

37. **PRIORITIES OF WORKS TO BE EXECUTED :**

Priorities for items to be executed shall be determined periodically keeping in view the final time limit allowed for the work and all the time schedule fixed for intermediate stages of work.

38.0 **WAGES ACT :**

The contractor shall comply with the provisions of payments of wages Act 1936. Minimum Wages Act 1948, Employee's Liability Act 1937, Workmen's Compensation Act 1923, Industrial Dispute Act 1947, Maternity Benefit Act 1961, Contractor Labour (R&A) Act 1970 migrant workmen (Regulation of Employment and conditions of

service) Act 1979, or modifications there of or any other law relating there to and rules and there under from time to time by the APMC.

39.0 DISPUTE AND ARBITRATION :

No Arbitration is allowed.

40.0 ELECTRIC POWER :

Arrangement for obtaining Electric Power connection will have to be made by the contractor at his own cost.

41.0 PRELIMINARY ARRANGEMENTS :

The contractor shall have to make at his own cost all preliminary arrangements for labors, water electricity and materials etc. immediately after getting the work order. No claim for any extra payment or or-application for extension of time on the grounds of any difficulty in connection with the above matter will be entertained.

The contractor shall at his own expenses, engages watchmen for guarding the materials and plant and machinery and the work during day and night against any pilferage, damages and also for prohibiting trespassers or damage to them. The contractor shall have to make his own arrangements for water required for any purposes on the work.

The contractor after completion of work shall have to clean the site of all debris and remove all unused materials other than those supplied by the Department and all plant and machinery, equipment, tools etc. belonging to him within one month from the date of completion of the work, or otherwise the same shall be removed by the Department at his cost and the contract shall not be entitle for payment of any compensation for the same.

42.0 ACCIDENT :

In the event of an accident involving serious injuries or damages to human life or death of any of his employees and or laborers or trespassers, the same the same shall be reported within 24 hours of the occurrence to the Chairman and the Commissioner of Workmen's Compensation.

43.0 PLANT :

All constructional plant, provided by the contractor shall when brought on the site be deemed to be exclusively intended for the construction of this work and the contractor shall not remove the same or any part thereof (Save for the purpose of moving it from the part of the site to another or for repairs etc.) Without the consent in writing of the Engineer-in-charge which shall not be unreasonably withheld.

44.0 PUBLIC UTILITIES :

In addition to clause of M.O.S.T. (R.W.) Specifications for Road and Bridge works (Second Revision) 1988 following should be added Para 110.6 Public utility service like HT Lines telephone line etc. that are visible at site should be taken notice of by the contractors while planning their works. It shall be the contractor's responsibility to inspect such services prior to the commencement of any work. While executing the works, the contractors should take care to see that these services are not disturbed or damaged during the execution.

The APMC will not be held liable or responsible for any delay in completion of the job under this contract which may occur due to any damage occurred to such services in consequence of the contractor's operations of delayed completion of the execution for the same.

45. DRAWINGS :**A) Contract Drawings :**

The contract drawings provided for tendering purpose with the tender documents shall be use as reference only. Contractor should visualize the nature of type of work contemplated and to ensure that the rates and prices quoted by him in the bill of quantities take due consideration of the complexities of work involved during actual execution/construction as experienced contractor in the field.

The tendered rates/prices for the work shall be deemed to include the cost of preparation, supply and delivery of all necessary

drawings, prints, tracings and negatives that the contractor is required to provide in accordance with the contract.

B) Completion Drawings :

The contractor shall submit to the Engineer within 2 (two months) of actual completion "Completion Drawings" as specified below and operation and maintain instructions for the whole of the work.

These drawings shall be accurate and correct in all respect and shall be shown to and approved by the Engineer earlier. For "Completion Drawings" 2(two) prints and one polyester film of quality approved by the Engineer or his representative shall be supplied.

46. HANDING OVER OF WORK :

All the work and materials before finally over by APMC will be the entire liability of the contractor for guarding, maintaining and making good any damages of any magnitude, Interim payments made for such work will not alter this position. The handing over by the contractor and taking over by this Chairman or his authorized representative will be always in writing, copies for which will go to the Chairman or his authorized representative and the contractor. It is, however, understood that before taking over such work, APMC will not put it into regular use as distinct from casual or incidental one, except as specially mentioned elsewhere in this contract or as mutually agreed to.

47.0 RELATION WITH PUBLIC AUTHORITIES :

The contractor shall comply with all rules, regulations, byelaws and directions given from time to time by local or public authority in connection with this work and shall himself pay fees or charges which are leviable on him with out extra cost to the Department.

48. DOCUMENTATION :

If so ordered by the Engineer-in-charge, the contractor will prepare drawings of the work as constructed and will supply original and three copies to the Engineer who will verify and certify these, drawings Final as contracted drawing shall then be prepare by the

contractor and supplied in triplicate to the Engineer for record and reference purposes at the contractor's cost.

49. CLAUSE IN THE CONDITIONS OF CONTRACT :

- a) All materials and workmanship shall be of the respective type described in the contract and in accordance with the Engineer's instructions and shall be subjected from time to time such tests as the Engineer may direct at the place of manufacture and fabrication, or on the site. All samples shall be supplied by the contractor.
- b) No work is to be covered up or put out of view without the approval of the Engineer for his examination and measurements.
- c) During the progress of the works, the Engineer, shall have the power to order, the removal from the site any unsuitable material, substitution or proper and suitable material and the removal and proper re-erection notwithstanding any previous test or interim payment, therefore and of any work which in respect of materials or workmanship is not, in the opinion of the Engineer in accordance with the contract.

50.0 INSPECTION OF OPERATIONS :

The Engineer and any person authorized by him shall at all times have access to the works and to all works and to all workshops and places. (including required documents) where work is being prepared or from where materials, manufactured articles of machinery are being obtained for the works and the contractor shall afford every facility for and every assistance in or obtaining the right to such access.

51.0 QUALITY CONTROL ON WORKS AND MATERIALS :

The contractor shall be responsible for the quality of the work in the entire construction work within the contract. He shall, therefore, have his own independent and adequate setup for ensuring the same. This shall include establishing field laboratory for testing required for Cement concrete works and other routine tests.

The field laboratory shall be equipped with the equipment's and apparatus required for the testing. These equipments shall be in

working condition. The Engineer –in –charge of the work will verify these equipments in the laboratory at plant site. The work shall not be started unless and until the laboratory is equipped with equipments.

52.0 WATER SUPPLY :

The contractor shall make his own arrangement at his own cost for entering into contract with concerned authorities for obtaining the connection and carry the water up to the work site as required by him. The location of the pipe line with respect the road shall be decided by Engineer in charge. And shall be binding on the contractor.

The contractor is advised to provide water storage tanks of adequate capacity to take care of possible shut down of water supply system.

The contractor shall have to supply water required by the Department for its establishment at work site. The water consumed by the Department will metered for providing the meter permission if necessary will be arrangement by Department charges for the water consumed by the Department will be paid to the contractor at the rate of 125% of the recurring costs or actually charges to him by concerned authorities and no other charges would be payable by the Department.

53.0 COMPLETION CERTIFICATE :

(i) The work shall not be considered to have been completed in accordance with the terms of the contract until the Engineer in charges shall have certified in writing to that effect. No approval of material of workmanship or approval of part of work during the progress of execution shall bind the Engineer in charge or in any prevent him from even rejecting the work which is claimed to be complete and to suspend the issue of his certificate of completion until such alteration and modification or reconstruction have been effected at the cost of the contractor as shall enable him to certify that the work has been completed to this satisfaction.

(ii) After the work is completed the contractor shall give notice of such completion to the Engineer in charge and within 30 days of receipt of such a notice the Engineer in charge shall inspect the work and if there is no defect in the work shall furnish the contractor with a certificate indicating the date of completion. However, if there are any defects which in the opinion of the Engineer in charge are rectifiable he shall then inform the Engineer in charge and Engineer in charge on his part shall inspect the work and issue the necessary completion certificate within 30 days if the defects are rectified. The time cycle as above, shall continue.

(iii) In case defects noticed by the Engineer in charge which in his opinion are not rectifiable but otherwise are acceptable at reduced payment, work shall be treated as completed. In such cases completion certificate shall be issued by the Engineer in charge within 30 days indicating the un-rectifiable defects for which reduction in payment is being made by him.

(iv) The issue of completion certificate shall not be linked up with the site clearance on completion of the work.

54.0 ANCILLARY WORK :

The contractor shall submit to Engineer – in- charge in writing the details of all ancillary works including layout and specification to be followed for its construction. Ancillary work shall not be taken up in hand unless approved by Engineer – in – charge. The Engineer in charge reserves the right to suggest modification or make complete in the layout and specification proposed by the contractor at any stage to ensure the safety on the work site. The contractor shall carry out all such modifications to the ancillary works at his own expenses as ordered by Engineer in charge.

55.0 REJECTION OF MATERIALS NOT CONFIRMING TO SPECIFICATION :

Any stock or batch of material (s) of which sample (s) does not confirm to the prescribed test and quantity, shall be rejected by the Engineer –in –charge or his representative and such materials shall

be removed from site by the contractor at his own cost. Such rejected materials shall not be made acceptable by any modifications.

Materials not corresponding in character and quality and with approved sample will be rejected by the Engineer or his representative and shall be removed from site at the contractor's own cost.

56 SUPPLY OF COLOURED RECORD PHOTOGRAPHS AND ALBUMS :

The contractor shall arrange to take dated post card size colored photographs at the rate of 10 photographs at various stages/ facts of the work including interesting and novel features of the work as desired by the Engineer –in-charge and supply them in five copies each in separate albums of appropriate size.

He shall also arranged for the video filming of important activities of the work during the currency of the contract and edit it to a video film of 60 to 180 minutes playing time.

It shall contain narration of the various activities in English/Marathi by a competent narrator. The cassette shall be of acceptable quality and the film shall be of acceptable quality and the film shall be capable of producing color pictures. This shall be considered as incidental to the work and no additional payment whatsoever will be made for the same.

57. MAINTENANCE :

On completion of the work in all respect necessary certificate will be issued by the concerned Chairman and the defect liability period will be counted from the date of issue of certificate.

During defect liability period contractor is supposed to detect the defects or damages in the completed work. These defects and damages should be rectified within 15 days from in the notice of defect. If contractor fails to detects or carry out the repairs to such defect, the Engineer-in-charge will inform in writing about

these defects and rectification will be carried out at contractor's risk and cost.

All damage during execution shall be made good by the contractor at his cost. He will be responsible for any damages to the road surface including B.T. surface in rainy seasons and during construction and guaranteed maintenance period. No separate payment will be made for restoring damages.

Defective work is liable to be rejected as any stage. The contractor on no account can refuse to rectify the defects merely on reasons that further work has been carried out. No extra payment shall be made for such rectification.

In case of damages type failure will be investigated by Engineer-in-charge and repairs to the defective portion will be suggested accordingly. If contractor fails to rectify such damages within 15 days from the instructions of Engineer-in-charge then heavy penalty will be imposed and damaged work will be rectified at contractor's risk and cost.

Nos.	Particulars	Nos.(Minimum required)
1.	Cube moulds	24
2.	Slump cone with rod	1
3.	Measuring cylinder (glass) (1000 ml)	2
4	Compression testing machine hand operated (150 MT capacity)	1
5	Electric weighing machine 3 (L.C. 1 gm)	1
6	IS sieve set	1
7	Flankiness test gauge	1
8	Vernier caliper	1
9	Dumpy level with stand & staff	2
10	Theodolite	1

58 IN CASE OF CEMENT CONCRETE WORKS:

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

- a) Besides manufacturer's test certificate for quality of cement, at least one set of physical and chemical tests should be conducted for each source of supply for verification. Where the quality is in doubt, or where the cement had been store for long periods or in improper condition, the Engineer shall call for testing the cement at more frequent intervals.
 - b) Mix design based on trials carried out in the contractor's laboratory should be got approved by the Engineer.
 - c) The mineral aggregates should be tested for their properties. Water to be used for mixing should be tested for chemical impurities.
 - d) Checking for stability and sturdiness of form work.
 - e) Ensuring that the crucial equipment like mixers and vibrators are in working order before start of work.
 - f) Control on water cement ratio.
 - g) Control on workability and time elapsed between mixing and placing of concrete.
 - h) Control on compaction and finishing.
 - i) Tests on cube samples at 7 and 28 days .
 - j) Check on provisions for adequate curing.
- 59.1** In case of masonry work, control should be exercised on the quality of the material (e.g. stone, brick and cement etc.) as also on mortar proportions.

For R.C.C. work quality of steel in each batch may be approved on the basis of test certificate. The reinforcement layout should be checked for conformity with approved drawings and bar bending schedules. All laps should be checked for conformity with specification. The reinforcement should be free from oil and loose rust scale and should be properly tied with binding wire.

62. ADDITIONAL GENERAL CONDITION ABOUT INSURANCE:

Contractor shall take necessary insurance policy, policies so as to provide adequate insurance cover for execution of the awarded contract work from the Director of Insurance Maharashtra State Mumbai only. It's postal address for correspondences 264 MAHADA, Opp. Kalanagar Bandra (E)

Mumbai-400051 (Tel No. 6438403) (Fax No. 6438690) Insurance policy / policies taken out from any other company will not be accepted. If any contractor fails to produce the documents of insurance done before payment of his 1st R.A. Bill, One percent of the contract amount will be recovered from contractor's 1st R.A. Bill.

63. Building & Other Construction worker welfare cess :

One percent of the contract amount will be recovered from contractor towards Building and other construction workers welfare cess as per the building and other construction workers welfare Act. 1996 @ one percent of value of work done in each bill.

64. Royalty :

Contractor should submit Royalty clearance certificate obtained from concerned Revenue authority along with each bill. If the certificate from Revenue authority is not submitted, amount of Royalty will be recovered from Contractor's bill in hand.

65. Additional Condition about availability of Funds :

The Budget provision for this work is less at present. The payment of bill will be made as per the availability of funds. No. claims will be entertained from delayed payments.”

“If situation arises, the work will be stopped at safe stage and will be withdrawn under clause 15 for which no compensations will be allowed.

GENERAL SPECIFICATION FOR WATER PROOFING.

Rate for respective items shall included for the additional specification:

- (1) The work of water proofing described in the following item shall be carried out by the contractor only through a renowned specialist water proofing agency using cement waterproofing compounds, as approved in writing by the Chairman.
- (2) The contractor shall give before actual execution, detailed specifications for each item of work or water proofing to be executed according to the specifications of the specialist agency the proposes to employ, for approval the work shall not be started unless approval in writing is given by the Engineer-in – charge to the said specification.
- (3) The contractor shall give a guarantee bond on requisite stamp paper for a minimum period of 7 year for all the times of waterproofing done. During the guarantee period the contractor shall entirely be responsible to rectify any defect as his won cost have maintain the work in waterproof condition. The waterproofing contractor shall also shave to make good all the surrounding disturbed by him during the rectification work at his own cost. The form of writing guarantee shall be on a legal stamped agreement acceptable to the APMC the guarantee shall be give within one month form the date of completion of waterproofing treatment but any delay in furnishing the guarantee shall not relive the contractor form the implications of this clause.
- (4) **25%** Twenty Five percent of the cost of the waterproofing work executed shall be retained as “Retention Money ” for a period of seven years covering the guarantee and the same shall be released only after satisfactory performance of the treatment during guarantee period of 7 years.
- (5) The waterproofing agency shall provide and install at its own cost the following for its own use and remove the same after completion of the work:

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

- (i) The pumps electrical/ diesel operated for watering and curing at any level in the building. Curing for all items shall be carried out for minimum period of 14 days.
- (ii) Temporary Mild Steel water storage tanks.
- (iii) Temporary galvanized iron piping and fittings for water line.
- (iv) Flexible hose lengths.
- (v) Cement godown, site office.
- (6) Injection to reinforced cement concrete slab, wherever required have to be undertaken by the contractor free of cost.
- (7) Before starting the waterproofing work, the surface receiving the treatment shall be cleaned properly.
- (8) The item of waterproofing as given in the Schedule "B" applies for work in any position and no any floor and at height. The lift of materials shall not form any criteria for extra payments.
- (9) For the reference of contractor, guideline Specifications for waterproofing is attached herein with the General Specifications.

**GENERAL GUIDELINES FOR WATER PROOFING WORK FOR
REFERENCE OF CONTRACTOR**

**NOTE: THE CONTRACTOR IS REQUIRED TO GIVE DETAILED
SPECIFICATION FOR EACH OF WATERPROOFING WORKS.**

1. ROOF SLAB AND TERRACE:

Providing average 112 mm thick cement based waterproofing treatment with brickbat Coba bedding by keeping one treatment minimum 75 mm. thick at the rain water pipe point and keeping the gradient not flatter than 1 to 100.

- (a) Cleaning the surface to the requirements.
- (b) Giving a coat of wash mixed with cement.
- (c) Providing 12mm. thick cement mortar bed with admixture of waterproofing compound to form a bed for brickbats. Special care shall be taken at the junction of parapet and terrace slab to ensure gaps, if any, are properly sealed.
- (d) Placing brickbats of varying size (average 80 mm. thick) to a proper slope and grouting their joints with chemical process in cement mortar with 2% with waterproofing level of waterproofing compound.
- (e) Providing all around the terrace large waterproofing watts (rounding) upto a height of 30 cm. in P.C.C. or as directed above the finished treatment.
- (f) Finishing and curing for 14 days.
- (g) Carrying out the test. Payment for the item shall be released only after results of pond test are satisfactory.

2. Toilets

- (a) Cleaning the surface to the Department's requirements
- (b) Giving a coat of wash mixed with cement.
- (c) Providing 25-mm. thick waterproof treatments to the bottom of toilet floors.
- (d) Providing 20 mm. to 25-mm. thick cement mortar waterproof treatments to the walls of toilets up to the height of 1.00 m. above the finished floor level.
- (e) Providing waterproof watts all around the toilets.
- (f) Grouting the mouths of inlets and outlets.

- (g) Filling suck portion with brick including waterproof mortar and the top surface left rough to form a key for tiles.

OVERHEAD TANK:

The work under some items in Schedule "B" of the tender pertains to construction of underground / overhead water tank. After completion of the work, water tank as a whole shall be tested for water tightness and leakages if any shall be rectified forthwith without any extra cost to the Department.

SPCIFACATION FOR FORMWORK AND STEEL CENTERING:**1.0 FORMWORK:**

(I) **Formwork:** Form work shall include all temporary form of moulds required for forming the concrete which is cash in situ together with all temporary construction required for their support. Unless other wise stated all formwork shall conform. To I.S. Specifications.

2.0 Design of form work: Formwork including complete false work shall be designed by the contractor in accordance with I.S.: 2750, 4041 and all other relevant I.S. Codes with out any extra cost to the Employer and these shall be got approved from the Engineer before any formwork is taken up.

2.1 The contractor shall entirely be responsible for the adequacy and safety for work not with standing any approval or review by the Engineer for approval.

3.0 Quality of shutting: The shuttering shall have smooth and even surface and its joints shall not permit leakage of cement slurry.

3.1 Ply board shutting material to be used for sides of beams and columns shall be marine or laminated plywood well seasoned free from projecting nails, splits or other defects that may mark on the surface of concrete. It shall not be so dry as to absorb water from concrete and swell and bulge, or so green or wet as to shrink after erection. Mild steel plates or plywood shall be used for slab and beam bottoms.

3.2 The timber shall be accurately sawn and planed on the sides and the surface coming in contact with concrete.

3.3 So far as practicable clamps shall be used to hold the forms together. Where use of nails in unavoidable minimum number of nails shall be used and these shall be left projecting so that they

can be easily with drawn. Use of double headed nails shall be preferred.

4.0 TOLERANCE:

4.1 The form work shall be made so as to produce finished concrete true to shape, levels, plumb and dimensions as shown on the drawings, subject to the following tolerance unless otherwise specified in these documents or drawings or as directed by Engineer.

- (a) Section dimensions = 5 millimeter.
- (b) Plumb = 1 in 1000 of height.
- (c) Levels = 3 mm. before any deflection has been taken place.

4.2 Tolerance given above are specified for local aberrations in the finished concrete surface and should not be taken as tolerance for the entire structure taken as a whole or for the setting and alignment of formwork, which should be as accurate as possible to the entire satisfaction of the Engineer. Errors noticed in any lift/tilt of the structure after stripping of forms shall be corrected in the subsequent work to bring back the surface or the structure to its true alignment.

5.0 SPECIAL PROVISION:

Whenever the concreting of thinner members is required to be carried out within shutter of considerable depth, temporary openings in the sides of the shutter shall, if so directed by the Engineer be provided to facilitate the pouring and consolidation of the concrete. Small temporary openings shall be provided as necessary at the bottom of shutters of walls and deep beams to permit the expulsion of rubbish etc.

6.0 REMOVAL OF FORMWORK:

The formwork shall be so removed as not to cause damage to concrete. Centering shall be gradually and uniformly lowered in such a manner as to avoid any shock or vibration. Supports shall be removed in such a manner as to permit the concrete to take stresses due to its own weight uniformly and gradually.

The whole of the formwork removed should be planned and definite scheme of operation worked out. Under no circumstance should forms be struck until the concrete reaches a strength of at least twice the stress to which the concrete may be subjected at the time for striking but not before the period as mentioned in I.S. 456 1978 where ordinary Portland cement is used.

II. STEEL CENTERING:

1. Work include: Erecting steel centering with contractor's materials comprising of standard steel adjustable props and standard steel trusses / joints/ spans, centering plate for bottom of slab and steel plates for bottom of beams etc. of adequate strength properly balanced for obtaining adequate rigidity to withstand all loads coming on it including permanent and temporary fixtures and fastenings etc. complete for R.C.C members like beams, slabs and canopy including its removal after the specified period stacking, making good the damaged parts / its replacement before its next use with all leads and lift (all centering material shall be of contractor)

- 1.1 For R.C.C. beams, lintels, arches etc. formwork shall be of plywood of adequate thickness and grade only. The centering / supporting arrangement such as standard steel trusses / joints. Spans standard adjustable / fixed props. H Type frames etc. shall be designed by the contractor and got approved from the Engineer before commencement of its erection. The contractor with prior

approval of the Engineer shall use standard steel centering arrangement, which may be manufactured by the reputed firm.

The supporting arrangement designed by the contractor shall be conform to the relevant I.S. code and standard practice adopted in this type or work. The centering arrangement shall be adequately braced and properly secured by using appropriate type of fastenings and fixtures to ensure stability and rigidity of the centering to withstand all load coming on it. The entire responsibility for design. Erection, maintenance and safety etc. will exclusively rest with the contractor. The Engineer reserve right to call detailed design calculations of the entire centering or part there of the verify its stability and also reserve right to reject to entire centering arrangement or part there or and any material used for the centering in the event of which the contractor shall have to arrange for its replacement at his own cost.

ITEM TO INCLUDE:

- The item shall include erection of centering with M.S. props, struts with all bracing's fastening and fixtures its removal after the specified period and its safe maintenance during the above period, cost of safety precautions required to be taken for the workmen and APMC property, stacking material after suitable place, replacement of damaged/ warned out parts, cleaning etc.
- 2.2 The material used for centering shall be the property of contractor and shall be allowed to be taken away after completion of work.
- 2.3 The centering, supporting arrangement should be designed by the contractor. He may make use of the standard centering arrangement made by standard manufacturer such as Acro blue bird. All the relevant codes etc. will be followed and appropriate centering may be suggested.
- 2.4 The rate should all including temporary / permanent arrangement including temporary fastening and fixtures. The centering material should be of contractor and he should take away from the site of work after completion or work, isolated lintels less than two meters in length chajja and plinth beam shall not be paid for centering under this item. The payment to the extent of completed R.C.C. work shall only be made irrespective of quantity of centering material procured by the contractor at the work site.

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

**ANNEXURE –A
MATERIALS TESTS AND SPECIFIED RESULTS**

NOTE: THIS TABLE IS NOT EXHAUSTIVE AND IS MENT ONLY FOR READY REFERENCE ON FIELD

Sr. No.	Material	Test	Acceptance Criteria/specified results	Test frequency sampling	Test method
1.	Water & Sand	A. PH Value B. Sulphate content and chloride content	Ph Value 6 to 8 Sulphate 500 mg/L Chloride 2000 mg/L for (PCC) 1000 mg/L for (RCC)	Once for app. Of source	I.S. 456-1978
2.	Sand (Fine aggregate)	A. Fitness Moudules B. Soundness (with Na ₂ SO ₂) C. Silt content D. Bulkage of Sand E. Specific Gravity & water absorption F. Organic impurities	Concrete 2.00 to 3.5 Masonry max. 3 Plaster max. 1.6 Not Exceed 12 % Concrete work Max 4 % Road works Max 10 % As per design As per design Within by comparison with standard colour	Once for app. Of C.A.A. & ii there is change in source About 15 kg of sample to be collected from different portion of single consignment	IS 383-1988 IS 2116-1965 IS 1542-1960 IS 2386-p-1 1863 CL 3-40 IS 2886-1990
3.	Coarse Aggregates	A. Specific Gravity B. Crushing value C. Impact value D. Los angles abrasion E. Absorption F. Soundness G. Water absorption	For concrete for road work 2.5 to 3.00 Base Wearing course 25 % 25% 17 % 30 % 30 % 30 % 23 % 23 % 17 % Not exceed 5% Not exceed 2% i) Loss with sodium concrete WBM BT sulphate 5 cycles Max 15 % ii) Loss with magnesium max 33 % max 18% sulphate (5 cycle) concrete WBM MT Max 5 % max 5 % for trap Max 2% Max 12 % for metal Max	Once for app. Of C.A.and if there is change in source About 50 kg of sample collected at random from various parts of the consignment	

Sr. No.	Material	Test	Acceptance Criteria/specified results	Test frequency sampling	Test method
4.	Ordinary cement	A. Specific Gravity B. Fineness by sieving C. Initial setting time final setting time D. i) soundness (lechateliar) ii) Soundness (autoclave) E. Compressive strength F. Consistency G. Adulteration Test	3.1 to 3.15 5 % max for PPC, 10 % max for OPC Not less than 30 minutes (initial) Note more than 600 minutes (final) Expansion not more than 10 mm Expansion not more than 0.8 % IS grade 3 days 7 days 28 days Kg/cm2 kg/cm2 kg/cm2 269 (OPC) 33 160 220 330 310 PPC 8112(OPC) 43 230 330 430 310 PPC 12269 OPC 53 270 370 530 310 PPC Not more than 30 % When Heated on steel plate on stove for 20 minutes the sample should not change colour.	One for each consignment of 50 MT or part thereof Testing to be done when considered for each set of test about 10 kg sample to be collected from different bags at random.	IS 4031-1968 CL 13 IS 4031-1968 CL 3 IS 4031-1968 CL 7 IS 4031-1968 CL 5 IS 4031-1968 CL 8 IS 4031-1968 CL 6 Field test
5.	Mild Steel	A. Ultimate tensite strength B. Elongation C. Cold Bent Test	Not less than 42 kg/mm2 For bars under 10 mm in dia not less than 20 % and for bars 10 mm and over in dia 23 % mim not fracture should develop.	For tensile test one sample per 25 tones or change in dia length of specimen upto 15 mm dia = 9xdia above 25 mm dia = 4.5 x dia one sample of ½ m length per 5 tonnes.	IS 432-1967
6.	Hile tensile steel	A. Tensile strength B. Proof stress C. Elongation	Not less than 100 kg/mm2 80 to 90 % of Tensile strength 10 % Min	As per I.s. 1090-1962.	IS 1990-1962.
7.	Cement concrete	A. Concrete mix design B. Crushing strength 28 days C. Slump	As per design requirement of grade of concrete (as per IS 456- of 1978) For 1:2:4 ordinary grade 158 kg/cm2 For other mixes and controlled concrete as specified in IS 456 of 1978. Generally between 2.5cm to 12 cm however this depends on the location and mode of vibration etc.	Once for each grade of concrete and it change in material 6 cube dialy on 1 st 3 days and subsequently 3 cubes for every 6 cum for 3 days work when needed.	IS 10262-1980 CL 2,3 & 4 IS 816-1983 CL 4,5

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

Sr. No.	Material	Test	Acceptance Criteria/specified results	Test frequency sampling	Test method
8.	Cement mortar	Crushing strength 28 days	1:3 127 to 211 kg/sqcm. 1:4 84 to 126 kg/sqcm, 1:5 56 to 84 kg/sqcm, 1:6 35 to 56 kg/sqc.	Cement as per proportion sand 10 kg	Suggested by M.E.R.I.
9.	Hard murum	A. P.I. B. Sieve Analysis	About 6 or less Passing through 80 mm..... 95 % 25 mm.....2%	5 kg of sample	Suggested by M.E.R.I.
10.	Soft murum	P.I.	About 10 or less	5 kg of sample	Suggested by M.E.R.I.
11.	Common bricks	A. Crushing strength (Dry & Wet) B. Water Absorption C. Efflorescence	1 st class bricks Dry condition 43.7 kg/cm ² Wet condition 32.8 kg/cm ² Less than 15% IInd class bricks 39.33 kg/cm ² 29.52 kg/cm ² Less than 20 %	One set of tests required on every consignment of 50,000 or part 15 bricks to be chosen at random for testing from a lot of 50 bricks collected at random from total consignment.	IS 3495-P-I 1992 CL 4-2 IS 3495 P-II 1992 IS 3495-P-III 1992
12	Masonry stone	Specific gravity water Absorption Compressive strength	Not less than 3 % Not more than 5 % 1530 kg/cm ² to 1890 kg/cm ²	5 kg to 10 kg	IS 1122-1957 IS 1124-1957.
13.	Wood (Timber)	Moisture content	IS 287-1993 the maximum permissible moisture content for timber zone of PWD specification (A-16-5) a) Roof or floor, weather board – 20 % b) Joinery frames, staircase – 16 % c) Floor..... 12 %	Once for app of material at the beginning	IS 11215-1991 CL-IV
14.	Glazed tiles	Water absorption	Shall not be exceed 6 %	Set of tiles per 2000 tiles	IS 13630-1932
15.	Ceramic tiles	A. Water absorption B. Thickness C. Size tolerance length & width D. Thickness tolerance	Size in cm 20 x 10 20 x 20 30 x 30 40 x 40 ± 0.5% + 5% tile thickness in mm 7 7 8 8	Set of tiles per 2000 tiles	IS 13755-1993.

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

Name of Work Proposed Construction of Shetkari Bhawan in A.P.M.C Shirur
 Anantpal for A.P.M.C, Tal- ,
 Dist-Latur.

SCHEDULE -A

Schedule showing (Approximately) the materials to be supplied for the work contracted to be executed and preliminary and ancillary works and the rates at which they are to be charged for.

Sr. No	Name of Material	Qty.	Unit	Rates in Figure	Rate in words	Place of Delivery
1	----- - NIL -----					

- Note:-
1. All material is to be brought by the contractor at his own cost. Condition for material to be brought by the Contractor is attached separately.
 2. R.C.C. pipes required for the construction of C.D. works (included in this work) should be purchased by the contractor from M.S.S.I.D.C. only.
 3. Contractor may procure Bitumen from APMC and / or Private refinery and / or from the private bitumen supplier, and / or other producer/ supplier of bitumen provided fulfillment of condition mentioned in Additional Conditions Brought by Contractor.

Chairman
 APMC,

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

PRICE VARIATION CLAUSE

If during the operative period of the contract as defined in condition (i) below, there shall be any variation in the consumer price index (New Series) for Industrial workers for ~~Nanded~~ center as percentage the Labour Gazette published by the Commissioner of Labour, APMC of Maharashtra and /or in the wholesale price index for all commodities prepared by the office of Economic Adviser, Ministry of industry, APMC of India, or in the prices of petrol / oil and Lubricants and major construction materials like bitumen, cement, steel, various types of metal pipes etc., then subject to the other conditions mentioned below, price adjustment on account of –

- (1) — Labour Component
- (2) — Material component
- (3) — Petrol, Oil and Lubricants Component
- (4) — Bitumen Component
- (5) — TMT & Mild, HYSD Steel Component
- (6) — Cement Component
- (7) — C.I. and D.I. Pipe Component

Calculated as per the formula hereinafter appearing, shall be made. Apart from these, no other adjustments shall be made to the contract price for any reasons whatsoever. Component percentage as given below are as of the total cost of work put to tender. Total of Labour, Material & POL components shall be 100 and other components shall be as per actual.

(1) Labour Component	K1	23.00 %
(2) Material Component	K2	74.00 %
(3) POL Component	K3	03.00 %
(4) Bitumen Components		Actual
(5) TMT/Mild steel Component		Actual
(6) Cement Components		Actual
(7) C.I. and D.I. Pipe Component		NIL

Note : If cement , steel , are supplied on schedule A then respective components shall not be considered. Also if particular component is not relevant same shall be deleted.

i) ~~Formula for Labour Component :~~

$$V_1 = 0.85 P \left\{ \frac{K_1}{100} \times \frac{L_1 - L_0}{L_0} \right\}$$

where =

V_1 = Amount of price variation in Rupees to be allowed.

P = Cost of work done during the quarter under Consideration minus the cost of cement, HYSD/ TMT steel bitumen calculated at the basic star rates as applicable for the Tender, consumed during the quarter under consideration (excluding GST)

(1) **Cement** **Rs. 6000.00 Metric Tone**

(2) **Steel** **Rs. 61000.00 Metric Tone**

K_1 = Percentage of Labour Component as indicated above.

L_0 = Basic consumer price index for Nanded Center ascertained as above of the previous calendar month preceding the last date prescribed for receipt of tender, falls.

L_1 = Average consumer price index for Nanded center ascertained as above during the quarter under consideration.

ii) ~~Formula for Other Material Component :~~

$$V_2 = 0.85 P \left\{ \frac{K_2}{100} \times \frac{M_1 - M_0}{M_0} \right\}$$

Where =

V_2 = Amount of price variation in Rupees to be allowed for Materials component.

P = Same as worked out for labour component.

K_2 = Percentage of materials component as mentioned above.

M_0 = Basic wholesale price index shall be average wholesale price index for the quarter preceding the month in which to the last date prescribed for receipt of tender, falls.

M_1 = Average Wholesale price index during the quarter under consideration.

iii) ~~Formula for Petrol, Oil and Lubricant component.~~

$$V_3 = 0.85 \cdot P \left\{ \frac{K_3}{100} \times \frac{P_1 - P_0}{P_0} \right\}$$

Where — =

- V_3 = Amount of price variation in Rupees to be allowed for POL component.
- P = Same as worked out for labour component.
- K_3 = Percentage of petrol, oil, & Lubricant component.
- P_0 = Average price of HSD at Mumbai during the quarter preceding the month in which last date prescribed for receipt of tender, falls.
- P_1 = Average price of HSD at Mumbai during the quarter Under consideration.

v. ~~Formula for Bitumen component :~~

$$V_4 = QB (B_1 - B_0)$$

V_4 = Amount of price variation in Rupees to be allowed for Bitumen component

QB = Quantity of Bitumen (Grade 60/70) in metric tones used in the permanent works and approved enabling works during the quarter under consideration.

B_1 = Lowest Price of all the APMC / Private refinery on the date of supply of Bitumen.

B_0 = Basic rate of Bitumen in rupees per metric tonne as considered for working out value of P or average ex-refinery price in rupees per metric ton Excluding taxes (GST) of Bitumen for the grade of bitumen under consideration prevailing quarter preceding the month in which the last date prescribed for receipt of tender, falls, whichever is higher.

v) Formula for HYSD/TMT/Mild Steel component

$$V_5 = \left\{ \frac{S_0 (SI_1 - SI_0)}{SI_0} \right\} \times T$$

Where,

V_5 = Amount of price variation in Rupees to be allowed for HYSD/TMT and mild steel component

S_0 = Basic rate of TMT/HYSD/Mild Steel in rupees per metric ton as considered for working out value of P

SI_1 = Average Steel Index as per RBI Bulletin during the quarter under consideration.

SI_0 = Average of Steel Index as per RBI Bulletin for the quarter preceding the month in which the last date prescribed for receipt of tender, falls

T = Tonnage of steel used in the permanent works for the quarter under consideration.

vi) Formula for Cement component:-

$$V_6 = \left\{ \frac{C_0 (CI_1 - CI_0)}{CI_0} \right\} \times T$$

Where,

V_6 = Amount of price escalation in Rupees to be allowed for cement component.

C_0 = Basic rate of Cement in rupees per metric ton as considered for working out value of P

CI_1 = Average cement index as published in the RBI Bulletin for the quarter under consideration.

CI_0 = Average of cement Index published in the s RBI Bulletin for the quarter preceding the month in which the last date prescribed for receipt of tender, falls

T = Tonnage of cement used in the permanent works for the quarter under consideration.

vi) Formula for C.I. / D.I. Pipe component

$$V_z = Q_d (D_1 - D_0)$$

Where

V_z = Amount of price variation in rupees to be allowed for C.I. / D.I. pipe components.

D_0 = Pig Iron basic price in rupees per tonne considered for working out value of P.

D_1 = Average pig Iron price in rupees per tonne during the quarter under consideration (published by IISCO)

Q_d = Tonnage of C.I. / D.I. pipes used in the works during the quarter under consideration.

The following conditions shall prevail:

- i) The operative period the contract shall mean the period commencing from the date of the work order issued to the contractor and ending on the date when the time allowed for the work specified. In the Memorandum under Tender for work expires, taking into consideration the extension of time, if any, for completion the work granted by Engineer in charge under the relevant clause of the conditions of contract in cases other than those where such the Engineer in charge as regards the cooperative period of the contract shall be final and binding on the Contractor. Where compensation for liquidated damages is levied on the contractor on account of delay in completion or inadequate progress under the relevant contract provisions the escalation amount for the balance work from the date of levy of such compensation shall be worked out by pegging the indices L_1, C_1, S_1, B_1, F_1 and M_1 to levels corresponding to the date from which such compensation is levied.
- ii) This price variation clause shall be applicable to all contractor to B1 / B2 & C form but shall not apply for piece works. The price variation shall be determined during each quarter as per formula given above in this clause.

- ~~iii) The price variation under this clause shall not be payable for the extra items required to be executed during the completion of the work and also on the excess quantities payable under the provisions of clause 38 of the contract form B-1, since the rates payable for the extra items or the extra quantities under clause 38 are to be fixed as per the current DSR or as mutually agreed, subject to yearly revision till completion of such work. In other words, when the completion/ execution of extra items as well as extra quantities under clause 38 of the contract form B-1 extends beyond the operative date of the then DSR, the rates payable for the same beyond that date shall be revised with reference to the next current DSR prevalent at that time on year to year basis or revised in accordance with mutual agreement thereon, as provided for in the contract, whichever is less.~~
- ~~IV) This clause is operative both ways i.e., if the price variation as calculated above is on the plus side, payment on account of the price variation shall be allowed to the Contractor and if it is on the negative side, the APMC shall be entitled to recover the same from the contractor and the amount shall be deductible from any amounts due and payable under the contract.~~
- ~~V) To the extent that full compensation for any rise or fall in costs to the Contractor is not entirely covered by the provision of this or other clauses in the contract, the unit rate and prices included in the contract shall be deemed to include amounts to cover the contingency of such other actual rise or fall in costs.~~
- ~~VI) The contractor shall produce the original Gate Passes / Invoices issued by refinery for claiming price variation (Difference Cost of Bitumen) In case the bitumen is purchased from private agents, the original copies of gate pass / Invoice issued by the refinery to relevant private agent shall be submitted along with this original bill. The gate pass/ invoice shall not be returned by this office.~~

**ADDITIONAL CONDITIONS FOR MATERIALS (CEMENT, M.S. ,
H.Y.S.D. BARS, BULK ASPHALTS ETC.) TO BE BROUGHT BY
CONTRACTOR.**

1. All materials such as cement, Mild Steel, HYSD bars, bulk Asphalt etc. required for execution of work shall be brought by Contractor at his own cost.
2. The contractor shall maintain the record of these materials (Cement, steel, Bulk asphalt etc.) in the prescribed proforma and registers as directed by Engineer in charge. The samples of prescribed proforma is attached at the end Page No. 167 to 170. These registers shall be signed by both contractors and representative of Engineer in charge. These registers shall be made available for inspection, verification for the APMC As and when required. These registers shall be in the custody of APMC and shall be maintain by the APMC.
3. The material required only for this work shall be kept in the godown at site No material shall be shifted out side of the godown except for the work for which this agreements is entered without prior approval of the Engineer in charge.
4. The material i.e. cement, steel, bulk asphalt etc. brought on the work site shall be accompanied with the necessary Company/Manufacturing firm's test certificates. In addition these material shall be tested as per frequency prescribed by the Department and the cost of such testing shall be bourned by the contractor. If the test results are satisfactory, then and then only the material shall be allowed to be used on the work. If the test results are not as per standards, these materials shall be immediately removed from the work site at contractor's cost. In case of cement, If so requested by the Contractor in writing, materials will be allowed to be used before receipt of the test results but this will be entirely at the risk and cost of the contractor.
5. The contractor shall produce sufficient documentary evidence i.e. bill for the purchase, Octroi receipts etc. for the purchase of material brought on the work site at once if so requested by the Department.
6. All these materials i.e. cement, steel, Bulk asphalt etc. shall be protected from any damages, rains etc. by the contractor at his own cost.
7. The contractor will have to erect temporary shed of approved specification for storing of above materials at work site at contractors cost having double lock arrangement (By Double lock it is meant that godown shall always be locked by two locks, one lock being owned & operated by contractor & other by Engineer in charge or his authorized

representative and the door shall be openable after both locks are opened).

8. If required, the weighing of cement bags/steel/bulk asphalt bouzers etc. brought by the contractor shall be carried out by the contractor at his own cost.
9. The contractor shall not use cement and other material for the items to be executed outside the scope of this contract except for such ancillary small item as are connected and absolutely necessary for execution of this works as may be decided by the Engineer in charge.
10. The Govt. shall not be responsible for the loss in cement, steel, bulk asphalt etc. during transit to work site. The cement brought by the contractor at the work site store shall mean 50 kg. equivalent to 0.0347 cubic meter per bag by weight. The rate quoted should correspond to this method of reckoning. In case of ordinary controlled concrete, if cement is found short, the shortage/ shortages will be make good by the contractor at his cost.

11. Indemnity:

The condition regarding indemnity as defined on Page No. 163 at Sr. NO. 4 will apply mutates mutandis in case of material brought by contractor at the site for the execution of the work being executed under this contract.

12. In case the materials brought by the contractor become surplus owing to the change in the design of the work the material should be taken back by the contractor at his own cost after prior permission of the Engineer in charge.
13. All empty cement bags or empty asphalt drums shall be the property of contractor and the same shall be removed immediately after the completion of work.
14. R.C.C. pipes required for the construction of C.D. works (including in this work) should be purchased by the contractor from MSSIDC only. Contractor shall produce necessary proof of purchasing from MSSIDC failing to which the cost of pipe in bill shall be withheld till receipt of proof.

Contractor may procure Bitumen from APMC and / or Private refinery and / or from the private bitumen supplier, and / or other producer/ supplier of bitumen provided fulfillment of the following conditions.

1. Contractor shall produce CRC (Consignee receipt certificate) with duly mentialed the name of work clearly for which bitumen is supplied. If the refinery denied to mention the Name of work on CRC (Consignee receipt certificate) in that case, present producure of mentioning name of work on gate pass / bitumen Invoice Under the signature of the concerned contractor, Junior / Section Engineer and Deputy Engineer / Sub-Divisional in charge of sub division.
2. Contractor shall submit / Produce original Bituemn GST Bill Invoice in all copies and one copy of bill will be returned to contractor with duly signed by Chairman for Tax and Audit purpose.
3. In case of delay in submission of such bill by the contractor, the contractor shall be held responsible for delay in payment of bill and no claim on this regards will be entertained by the department.
4. The material purchased from APMC and / or private refinery and / or from the private Bitumen Supplier, and / or other producer / Supplierof Bitumen and / opr Copmpany / Manufacaturing firms / authorized distributior for cement, steel, bulk asphalt etc. brought on the work site shall be accompaied with the necessary company / Manufacturing firms test certificates. In addition to this some quantity of these material shall be tested as per norms specified in Indian standard Bureau. Besided that the material shall be tested as per frequency prescribed.

By the Department and the cost of such testing shall be borne by the contractor. If the test results are satisfactory, then and then only the material shall be allowed to be used on the work. If the test results are not as per acceptable standards, these material shall be immediately removed from the work site at contractors cost . In case of cement, if so required by the contractor in writing, cement will be allowed to be used before receipt of the test results but this will be entirely at the risk and cost of the contractor.

5. Contractor shall produce test report of Bitumen Manufacturer of relevant batch as well as test report taken in his own Laboratory 30 % tests shall be done in P.W. Department's Laboratory and remaining 70 % tests shall be done in the field laboratory erected by the contractor at site. In

absence of such field laboratory than tests shall be done in Engineer colleges or APMC Laboratory.

6. Viscosity of Bitumen shall be as per IS 73: 2013 of amended from time to time.
7. Contractor shall produce all the required reports, certificates of bitumen purchased order / Bills to the department , duly self attested by the contractor him self along with a forwarding letter.
8. Responsibility of Genuiness of Bill produced by contractor in respect of private / Purchases of material shall lies with the contractor only.
9. If bill produced by Contractor in respect of Purchased of material found fake and / or tampered then Department may take suitable Criminal action against the contractor as per Indian Penal code.
10. If there is any doubts regarding the Genuiness of Bill Produced by the contractor in respect of Purchased of material, Chairman shall have rights to verify or to make enquiry about such bills, and during verification / enquiry, if the same bills / bills is found incorrect or fake of tempered Chairman shall take Criminal action against the contractor as per Indian Penal code, and the Contractor shall also be black listed forever for works in APMC,.

REGISTER NO. 1
FOR RECEIPTS & CONSUMPTION OF CEMENT

Name of Work :-

Balance since last week at the Work Site :

STATEMENT OF RECEIPT AND CONSUMPTION

Date	No of Bages received	No of bages Consumed	Balance No. of Bages at end of day
1	2	3	4

Contractor's Signature

Supervisor's Signature.

REGISTER NO. 2

Chart showing weekly required theoretical consumption and actual consumption of cement bags for work done actually for the following items

1) Brick Masonry in C.M. 1:62)

RCC M- 10 , M- 15, M-20 3)

PCC M-8, M-10.

4) Others.

ABSTRACT ENDING

Sr. No.	Item	Work Done		Theoretical consumption constant (in bags)	Theoretical required consumption constant of cement (in No. of bags)	Cement Actual Consumption (in No. of bags)
		Quantity	Unit			
1	2	3	4	5	6	7

Contractor's Signature

Supervisor's Signature.

REGISTER NO. 1

(Receipt, consumption & balance for months ending

..... Division Palce of work

Name of Work :- _____

Balance since last months	Type and quantities in M.T.					
	Type					
	Quantity					

Daily receipt, Consumption and balance of steel for week ending.

Date	Receipt of Steel (M.T.)		Consumption of Steel (M.T.)		Balance of each transaction		Abstract of balance stel for each type for week ending	
	Type	Weight in M.T.	Type	Weight in M.T.	Type	Weight in M.T.	Type	Weight in M.T.
	Total		Total		Total		Total	

Contractor Signature
for Issued / consumedSignature of J.E.
Sec. Engineer

REGISTER NO. 2

Statement for comparison of steel consumed on each item and theoretical consumption as per drawing for month ending

Name of Work :- _____

Sr. No.	Item executed	Quantity	Qty. of steel to be consumed as per design drawing (in M.T.)	Actually consumed steel (in M.T.)

Contractor's signature
for Issued / consumed

Signature of J.E.
Sec. Engineer

GUARANTEE BOND FOR PERFORMANCE SECURITY

In consideration of the Governor of Maharashtra (hereinafter referred to as "the APMC") having agreed to exempt _____ (hereinafter referred to as "the Contractor") from depositing with the APMC in Cash the Sum of Rs. _____ (Rupees _____ only) being the amount of PERFORMANCE SECURITY Deposit payable by the Contractor to the APMC under the terms and conditions of the Agreement dated the _____ day of _____ and made between the APMC of the one part and the contractor of the other part (Hereinafter referred to as "the said Agreement") for _____ as security for the observance and performance by the contractor of the terms and conditions of the said agreement, on furnishing to the Govt. a guarantee in the prescribed form of a Scheduled Bank in India being in fact these presents in the like sum of Rs. _____ (Rupees _____ only), We _____ BANK / LIMITED registered in India under _____ Act and having one of our Local Head Office at _____ do hereby;

1) Guarantee to the APMC

a) Due performance and observance by the contractor of the terms covenants and conditions on the part of the contractor contained in the said Agreement,

AND

b) , Due and punctual payment by the Contractor to the APMC of all sums of money, losses, damages, costs, charges, penalties and expenses payable to the APMC by the contractor under or in respect of the said Agreement.

2) Undertake to pay to the APMC on demand and without demmur and notwithstanding any dispute or disputes raised by the Contractor (s) in any suit or proceeding filed in any Court or Tribunal relating thereto the said Sum of Rs _____ (Rupees _____ only) or such less sum as may be demanded by the APMC from us our liability hereunder being absolute and unequivocal and agree that.

3) a) The guarantee herein contained shall remain in full force and effect during the subsistence of the said Agreement and that the same will continue to be

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

enforceable till all the dues of the APMC under or by virtue of the said Agreement have been duly paid and its claims satisfied or discharged and till the APMC certifies that the terms and conditions of the said Agreement have been fully properly carried out by the contractor;

b) sWe shall not be discharged or released from the liability under this Guarantee by reasons of.

i) any change in the constitution of the Bank or the Contractor, or

ii) any arrangement entered into between the APMC and the contractor with or without our consent;

iii) any forbearance or indulgence shown to the contractor,

iv) any variation in the terms, covenants or conditions contained in the said Agreement;

v) any time given to the Contractor or

vi) any other conditions or circumstances under which, in law, a surety would be discharged;

c) Our liability hereunder shall be joint and several with that of the Contractor as if we were the Principal debtors in respect of the said Sum of Rs._____ (Rupees_____ only) AND

d) We shall not revoke this guarantee during its currency except with the previous consent in writing of the APMC.

IN WITNESS WHERE OF the Common Seal of_____ has been hereunto affixed this_____ day of_____ 2012 The

Common seal of_____ was pursuant to the resolution of the Board of Directors of the Company dated the_____ day of

_____ herein affixed in the presence of who, in token thereof, have hereto set their respective hands in the presence of-

1)_____

2)_____

**GUARANTEE BOND FOR SECURITY DEPOSIT
(On Stamp paper Worth Rupees 50/-)**

In consideration of the Governor of Maharashtra (hereinafter referred to as "the Governor") having agreed to exempt------(hereinafter Referred to as "the Contractor") from depositing with the APMC in Cash the sum of Rs. -----
------(Rupees _____ only)

Being the amount of security Deposit payable by the Contractor to the APMC under the terms and conditions of the Agreement dated the -----
-day of ----- and made between the APMC of the one part the contractor of the other part (Hereinafter referred to as; " the said Agreement") for-----as security for the observance and performance by the contractor of the term and conditions of the said agreement on the furnishing the Govt. A guarantee in the prescribed form of a secluded bank in Indian being in fact these presents in the like sum of Rs.------(rupees----- under -----
----- Act and having one of our Local Head Office at -----
----- do hereby.

1) Guarantee to the APMC

a) Due performance and observance by the contractor of the terms covenants and condition of the part of the contractor contained in the said Agreement **AND**
b) Due and punctual payment by the contractor of the APMC of all sums of money, losses, damages, costs, charges, penalties and expenses payable to the APMC by the contractor under or in respect of the said Agreement.

2) Undertake to pay to the APMC on demand and without demur and not with standing any dispute or disputes raised by the contractor in any suit or proceeding filed in any Court or Tribunal relating there to the said sum of Rs.-----
------(Rupees _____ only) or such less
sum as may be demanded by the APMC form us liability hereunder being absolute and unequivocal and agree that.

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

2) a) The guarantee herein contained shall remain in full force and effect during the subsistence of the said Agreement and that the same will continue to be enforceable till all the duties of the APMC under or by virtue of the said Agreement have been duly paid and its claims satisfied or discharged and till the APMC certifies that the terms and conditions of the said Agreement have been fully properly carried out by the contractor.

b) We shall not be discharged or released from the liability under this guarantee by reasons of

i) Any change in the constitution of the Bank or the contractor or

ii) Any agreement entered into between the APMC and the contractor with or without our consent.

iii) Any forbearance or indulgence shown to the contractor.

iv) Any variation in the terms, covenants or conditions contained in the said Agreement; or

v) Any time given to the contractor or

vi) Any other conditions of circumstances under which in law a surety would be discharged.

c) Our liability hereunder shall be joint and several with that of the contractor if we were the Principal debtors in respect of the said Sum of Rs----- (Rupees----- only) and

We shall not revoke this guarantee during its currency except with the previous consent in writing of the APMC.

IN WITNESS WHERE OF the Common Seal of -----has been hereunto affixed this----- day of -----200 . The common seal of -----

--- was pursuant to the resolution of the Board of Directors of the Company dated the ----- day of ----- herein affixed in the presence of who in token thereof, have here to set their respective hands in the represented of.

1)

2)

GUARANTEE BOND FOR ANTI-TERMITE TREATMENT

(On stamp paper worth Rupees 100/-)

Name of work

Name of Agency

Agreement No.

The contractor here by declares that the Anti -termite treatment where ever necessary under this contract shall be of the best quality and workmanship and shall be strictly in accordance with the specifications and particulars contained / mentioned in the clause here of and the contractor hereby guarantee that the said work would continue to conform to the description and quality aforesaid for a period of Ten years from the date of handing over the said work to the Department and notwithstanding the fact that the Department may have inspected and or approved the said work. If during the aforesaid period and seven years, the said work be discovered not to conform to the description and quality aforesaid or have deteriorated (and the decision of the Engineer in charge in that behalf will be final and conclusive) the Department will be entitled to reject the said work or such portion thereof as may be discovered not to conform to the said description and quality. On such rejection, the work will be at the contractor's risk and all the provisions herein contained relating to rejection of work etc. shall apply, the contractor shall, if so called upon, have to make good the work etc. or such portion thereof as is rejected by the Engineer in charge, otherwise the contractor shall pay to the Department, such damages, as may arise by the reason of the breach of the condition herein contained. Nothing here in contained shall prejudice any other right of the Department in that behalf under this contract or other wise.

Date

Place:

Contractor.

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

GUARANTEE BOND FOR WATERPROOFING
(On stamp paper worth Rupees 100/-)

Name of Work: -

Name of Agency: -

Agreement No: -

The contractor here by declares that the water proofing work carried out under this contract shall be of the best quality and workmanship and shall be strictly in accordance with the specifications and particulars contained / mentioned in the clause here of and the contractor here by guarantee that the said work would continue to conform to the description and quality aforesaid for a period of seven years from the date of handing over the said work to the Department and not with standing the fact that the Department may have inspected and or approved the said work. If during the aforesaid period and seven years be discovered not to conform to the description and quality aforesaid or have deteriorated (and the decision of the Engineer in charge in the be half will be final and conclusive) the Department will be entitled to reject the said work or such portion there of as may be discovered not to conform to the said description and quality. On such rejection, the work will be at the contractor's risk and all the provisions herein contained relating to rejection or wok etc. shall apply. The contractor shall, If so called upon, have to make good the work etc. or such portion there of, as is rejected by the Engineer in charge, otherwise the contractor shall pay to the department, such damages, as may arise by the reason of the breach of the condition herein contained. Nothing here in contained shall prejudice any other right of the Department in that behalf under this contract or other wise.

Date: -

Place: -

Contractor.

DECLARATION OF THE CONTRACTOR

I/We hereby declare that I/We have made myself / ourselves thoroughly conversant with the local conditions regarding all materials such as stones Murum, sand etc. and labor on which I/We have based my / our rates for this work. The specifications and lead for this work have been carefully studied and understood by me / us before submitting the tender. I/We undertake to use only the best materials approved by the Chairman -in-charge of the work or his duly authorized representative before starting the work and to abide by his decision.

I hereby undertake to pay the labourers engaged on the work as per Minimum Wages Act 1998 applicable to the Zone concerned.

Signature of the Contractor

CONTRACTOR

NO. OF CORRECTIONS

CHAIRMAN

DRAWINGS**CONTRACT DRAWINGS:**

The Contract Drawings provided for tendering purpose with the tender documents shall be use as a reference only. Contractor should visualize the nature of type of work contemplated and to ensure that the rates and prices quoted by him in the bill

of quantities take due consideration of the complexities of work involved during actual execution / consideration as experienced in the field.

The tendered rates / prices for the work shall be deemed to include the cost of preparation, supply and delivery of all necessary drawings, prints, tracings and negatives which the contractor is required to provide in accordance with the contract.

DOCUMENTATION:

If so ordered by the Engineer in charge – in – charge, the contractor will prepare drawings of the work at constructed and will supply original and there copies to the Engineer who will verify and certify these drawings.

Final as constructed drawings shall then be prepared by the contractor and applied in triplicate along with a micro-film of the same to the Engineer for record and reference purpose at the contractors cost.

**Name of Work :- Proposed Construction of Shetkari Bhavan in A.P.M.C Shirur Anantpal For Shirur Anantpal
A.P.M.C Tal- Shirur Anantpal, Dist- Latur.**

Schedule C

Sr. No	Item of Work	Standard Specifications as per specification book published by Govt.of Maharashtra in 1979 and 1981 Edition.		Additional Specification if any.
		Item No.	Page No.	
1	2	3	4	5
1	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 metre beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting, dewatering etc. complete. (Lift upto 1.5 metre) by Mechanical Means..	BdA-1	259	The useful excavated materials shall be utilised as directed by the Engineer In Charge.

2	Excavation for foundation in earth, soils of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting, dewatering etc. complete. (Lift from 1.5 metre to 3.0 metre) by Mechanical Means..	BdA-1	259	The useful excavated materials shall be utilised as directed by the Engineer In Charge.
3	Excavation for foundation in Hard Murum including removing the excavated material upto a distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting, dewatering etc. complete. (Lift from 1.5 to 3.0 metre) by Mechanical Means.	BdA-2	259	The useful excavated materials shall be utilised as directed by the Engineer In Charge.
4	Providing soling using 80 milimetre size trap metal in 15 centimetre layer including filling voids with crushed sand/ grit, ramming, watering etc. complete.			As directed by Engineer in charge.

5 Providing and laying Cast in situ/ Ready Mix cement concrete in Mix- 10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based Programmable Logic Controller with Supervisory Control and Data Acquisition enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand V.S.I. Grade).

Bd.E.1

287

1.The appropriate mix design shall be got prepared from the approved government laboratory well in advance and got approved from Engineer in charge before starting the work.2. Cement from the same stock sent for design shall be used for concreting work.3. The rate of consumption of cement in mix design are considered for the work as per general practice in actual design ,if the cement consumption is less than that shown in item,therate will be reduced accordingly .If the rate as per mix design for cement consumption is more than that as per item ,the extra cement will have to be brought by the contractor at his own cost.4. Before concreting work,cement form each consignment shall be got tested .if the strength of fresh cement available in stock and concreting work shall be done accordingly to modified mix design.5. The minimum strength of reinforced cement concrete to ensure durability shall as per Indian standard as per IS 456-2000 with latest ammendment .6. For each consignment of cement a sample should be got tested as per norms and frequency of Vigilance and Quality Control circle, laboratory..It will be entire responsibility of contractor for testing of cement and no extra payment will be made against these testing charges.

6 Providing and laying in situ/ Ready Mix cement concrete Mix-20 of trap/ granite/quartzite/ gneiss metal for Reinforced Cement Concrete work in foundations like raft, strip foundations, grillage and footings of Reinforced Cement Concrete columns and steel stanchions etc. including bailing out water, formwork, laying/ pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided, (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based Programmable Logic Controller with Superwisery Control and Data Acquisition enabled Reversible Drum Type mixer/ concrete Batch Mix plant (Pan mixer) etc. complete, with fine aggregate (Crushed sand V.S.I. Grade).

Bd.F.3
B-7

298 38

1.The appropriate mix design shall be got prepared from the approved government laboratory well in advance and got approved from Engineer in charge before starting the work.2. Cement from the same stock sent for design shall be used for concreting work.3. The rate of consumption of cement in mix design are considered for the work as per general practice in actual design ,if the cement consumption is less than that shown in item,therate will be reduced accordingly .If the rate as per mix design for cement consumption is more than that as per item ,the extra cement will have to be brought by the contractor at his own cost.4. Before concreting work,cement form each consignment shall be got tested .if the strength of fresh cement available in stock and concreting work shall be done accordingly to modified mix design.5. The minimum strength of reinforced cement concrete to ensure durability shall as per Indian standard as per IS 456-2000 with latest ammendment .6. For each consignment of cement a sample should be got tested as per norms and frequency of Vigilance and Quality Control circle, laboratory..It will be entire responsibility of contractor for testing of cement and no extra payment will be made against these testing charges.

7	<p>Providing and laying cast in situ/ Ready Mix cement concrete Mix-20 of trap/ granite/ quartzite/ gneiss metal for Reinforced Cement Concrete columns as per detailed designs and drawing or as directed including centering, formwork, cover blocks, laying/ pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete, (Excluding reinforcement and structural steel) with fully automatic micro processor based Programmable Logic Controller with Superwisery Control and Data Acquisition enabled Reversible Drum Type mixer/ concrete Batch Mix plant (Pan mixer) etc. complete with fine aggregate (Crushed sand V.S.I. Grade).</p>	Bd.F5 B-7	300 38	<p>1.The appropriate mix design shall be got prepared from the approved government laboratory well in advance and got approved from Engineer in charge before starting the work.2. Cement from the same stock sent for design shall be used for concreting work.3. The rate of consumption of cement in mix design are considered for the work as per general practice in actual design ,if the cement consumption is less than that shown in item,therate will be reduced accordingly .If the rate as per mix design for cement consumption is more than that as per item ,the extra cement will have to be brought by the contractor at his own cost.4. Before concreting work,cement form each consignment shall be got tested .if the strength of fresh cement available in stock and concreting work shall be done accordingly to modified mix design.5. The minimum strength of reinforced cement concrete to ensure durability shall as per Indian standard as per IS 456-2000 with latest ammendment .6. For each consignment of cement a sample should be got tested as per norms and frequency of Vigilance and Quality Control circle, laboratory..It will be entire responsibility of contractor for testing of cement and no extra payment will be made against these testing charges.</p>
---	--	-----------	--------	---

8	<p>Providing and laying Cast in situ/ Ready Mix cement concrete Mix-20 of trap/ granite/quartzite/ gneiss metal for Reinforced Cement Concrete Beams and Lintels as per detailed designs and drawings or as directed including centering, formwork, cover blocks, laying/ pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel), with fully automatic micro processor based Programmable Logic Controller with Superwisery Control and Data Acquisition enabled Reversible Drum Type mixer/ concrete Batch Mix plant (Pan mixer) etc. complete with fine aggregate (Crushed sand V.S.I. Grade).</p>	Bd.F6 B-7	300 38	<p>1.The appropriate mix design shall be got prepared from the approved government laboratory well in advance and got approved from Engineer in charge before starting the work.2. Cement from the same stock sent for design shall be used for concreting work.3. The rate of consumption of cement in mix design are considered for the work as per general practice in actual design ,if the cement consumption is less than that shown in item,therate will be reduced accordingly .If the rate as per mix design for cement consumption is more than that as per item ,the extra cement will have to be brought by the contractor at his own cost.4. Before concreting work,cement form each consignment shall be got tested .if the strength of fresh cement available in stock and concreting work shall be done accordingly to modified mix design.5. The minimum strength of reinforced cement concrete to ensure durability shall as per Indian standard as per IS 456-2000 with latest ammendment .6. For each consignment of cement a sample should be got tested as per norms and frequency of Vigilance and Quality Control circle, laboratory..It will be entire responsibility of contractor for testing of cement and no extra payment will be made against these testing charges.</p>
9	<p>Filling in plinth and floors with contractors material/ brought from outside and approved by Engineer incharge in layers of 15 centimetre to 20 centimetre including watering and compaction etc. complete.Spec. No. : Bd.A. 11/Page No. 263</p>	BdA-11	263	<p>As directed by Engineer in charge.</p>

10	<p>Providing and fixing in position Thermo Mechanically Treated (TMT) FE -500 bar reinforcement of various diameters for Reinforced Cement Concrete pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules, including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.</p>	Bd.F.17	306	<p>1.As per Indian standard 1786/1985 with latest amendments. 2.Various diameters of TMT Fe-500 bars brought on site for the work shall be got tested categorywise and lotwise as directed by the Engineer in Charge .</p>
11	<p>Providing second class Burnt Brick masonry with conventional / I.S.type bricks in cement mortar 1:6 in plinth as backing in composite masonry including bailing out water manually, striking joints, raking out joints and watering complete.</p>	Bd. G. 3	314	<p>1. The bricks shall be got tested before use the Government laboratory at the rate of 1 batch of 15 bricks for every 50,000 bricks or part thereof at contractors cost for the following:a) Crushing Strength :i) Dry Conditions : 5 Bricksii) Wet condition : 5 bricksb) Water Absorption 5 bricks 2. In addition bricks shall be tested for size, shape and soundness 3. The proportion of cement mortar shall be 1:6 4. Minimum two drums of water shall be provided to masons for soaking of bricks at each place where masons are working5. For mixing of mortar stell forms of required size only shall be use. For mixing of mortar steel trough or back platform shall be used.6. The brick work shall be cured for a minimum period of 14 days.7. The joints on both faces shall be raked to a depth of not less than the thickness of joints for affording good bond for palster.8. Holdfast for door or window frames shall be embedded in cast in situ 1:2:4 cement concrete block of required size without any etc. Cost.</p>

12	<p>Providing second class Burnt Brick masonry with conventional / Indian Standard type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding complete.</p>	Bd. G. 3	315	<p>1. The bricks shall be got tested before use the Government laboratory at the rate of 1 batch of 15 bricks for every 50,000 bricks or part thereof at contractors cost for the following:a) Crushing Strength :i) Dry Conditions : 5 Bricksii) Wet condition : 5 bricksb) Water Absorption 5 bricks 2. In addition bricks shall be tested for size, shape and soundness 3. The proportion of cement mortar shall be 1:6 4. Minimum two drums of water shall be provided to masons for soaking of bricks at each place where masons are working5. For mixing of mortar steel forms of required size only shall be use. For mixing of mortar steel trough or back platform shall be used.6. The brick work shall be cured for a minimum period of 14 days.7. The joints on both faces shall be raked to a depth of not less than the thickness of joints for affording good bond for palster.8. Holdfast for door or window frames shall be embedded in cast in situ 1:2:4 cement concrete block of required size without any etc. Cost.</p>
----	---	----------	-----	---

13	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 milimetre thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 milimetre thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc. complete.	Bd.L.7	369	1. The surface to be plastered shall be first cleaned and thoroughly wetted for 24 hours and got checked from Engineer in Charge before starting the new plaster.2. Item includes roughening of all internal and external junctions corners, jambs etc. as directed by the Engineer in Charge.3. Finishing shall be plain and in line, level and plumb.4. Curing shall be done by sprinkling water on the surface for minimum period of fourteen days.
14	Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates etc. as per detailed designs and drawings or as directed including cutting, fabricating, hoisting, erecting fixing in position, Making riveted/bolted/welded connection and one coat of anticorrosive paint and over it 2 coats of oil painting approved quality and shade etc. complete.	Bd. C.8	278	
15	Providing and fixing corrugated galvanised iron sheets of 0.63 milimetre thickness (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron screw and bolts and lead and bitumen washers as per drawing complete. (weight of 5.5 kg per Square metre).	Bd.R.5	452	As directed by Engineer in charge.

16	Providing and fixing plain zinc sheeting of 0.80 millimetre thick (22 B.W.G.) over the ridge hip or valley to galvanised iron sheet roofing including all fastening and bolt galvanised iron screws and bolts and lead and bitumen washers complete. (Weight of 6.8 kg per Square metre).	Bd.R.5	453	As directed by Engineer in charge.
17	Providing and laying polished Kotah stone flooring 25 millimeter to 30 millimeter thick and of reqd. width in plain/ diamond pattern on a bed of 1:6 cement mortar including cement float,filling joints with neat cement slurry,curing,polishing and cleaning complete.	Bd. M. 3	380	1. The work shall be carried out as directed by Engineer in charge. 2. Samples of Kotah Stone tiles shall be got approved from the competent authority before execution of this item.
18	Providing and applying two coats of water proof cement paint of approved manufacture and of approved colour to the plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc. complete.	Bd.O.8	406	As directed by Engineer in charge.
19	Filling in plinth and floors with approved excavated material in 15 centimetre to 20 centimetre layers including watering and compacting etc. complete. Spec. No. : Bd.A. 11/Page No. 262	BdA-10	262	As directed by Engineer in charge.
20	Conveying of excavated material 2 k.m away from working site.	BdA-1	259	The useful excavated materials shall be utilised as directed by the Engineer In Charge.

20 to 29	Conducting prescribed tests for Quality Control.			<p>1) The test shall be carried out in accordance with the Clause " Samples & Testing of Materials " give under "Additional General Conditionas & Specification" of this tender document.</p> <p>2) The testing of materials shall be carried out as per the frequency specified by the Vigilance & Quality Control Circle , pune and shall be the responsibility of contractor.3)The material required for testing shall be sent by the contractor to the specified Laboratory at his own risk and cost.4)In case the desired results are not obtained during testing or the material is rejected due to unsatisfactory results the testing charges shall not be paid to the contractor.5)It shall be obligatory on contractor to produce the test result along with receipt of payment made to the Laboratory, for releasing payment towards Testing Charges.6)In case additional testing of material found necessary due to change in source,no seperate payment shall be made and it shall be the entire responsibility of contractor.7)Testing charges are mentioned in view of the rates finalised by the Vigilance & Quality Control Circle, Pune and it will be the responsibility of contractor to pay the testing charges to the concerned Laboratory in accordance with the rates finaised. No difference shall be payable to the contractor in case testing charges are revised by the Laboratory.8)Material Testing shall be carried out as directed by Engineer in Charge.</p>
30	Royalty Charges			As directed by Engineer in charge.

Contractor

No. of correction

Chairman

180
Schedule - B.

**Name of work :- Construction of Rashtrasanta Tukdoji Maharaj Shetkari Bhavan
(First Floor)**

ABSTRACT

Item No.	Quantity	Item of Work	Rate	Unit	Amount
1	10.93 Cubic Metre	Providing and laying cast in situ/ Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including centering, formwork, cover blocks, laying/ pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete, (Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled Reversible Drum Type mixer/ concrete Batch Mix plant (Pan mixer) etc. complete with fine aggregate (Crushed sand	Rs.14796.70	Cubic Metre	1,61,727.93
		S.S.R.2022-23 Item No. 25.31			
		R.A.No.1			
2	26.80 Cubic Metre	Providing and laying Cast in situ/ Ready Mix cement concrete M-20 of trap/ granite/quartzite/ gneiss metal for R.C.C. Beams and Lintels as per detailed designs and drawings or as directed including centering, formwork, cover blocks, laying/ pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel), with fully automatic micro processor based PLC with SCADA enabled Reversible Drum Type mixer/ concrete Batch Mix plant (Pan mixer) etc. complete with fine aggregate (Crushed sand V.S.I. Grade).	Rs.13208.20	Cubic Metre	3,53,979.76
		S.S.R.2022-23 Item No. 25.50			
		R.A.No.2			

Item No.	Quantity	Item of Work	Rate	Unit	Amount
3	24.70 Cubic Metre	Providing and laying Cast in situ/ Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. Slabs and Landings as per detailed designs and drawings including centering, formwork, cover blocks, laying/ pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete, (Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled Reversible Drum Type mixer/ concrete Batch Mix plant (Pan mixer) etc. complete, with fine aggregate (Crushed sand V.S.I. Grade).	Rs.14953.00	Cubic Metre	3,69,339.10
		S.S.R.2022-23 Item No.			
		R.A.No.3			
4	1.13 Cubic Metre	Providing and laying Cast in situ/ Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. Chajja as per detailed design and drawings including centering, formwork, cover blocks compacting, curing, finishing and roughening the surface if special finish is to be provided and curing complete (Excluding reinforcement and structural steel), with fully automatic micro processor based PLC with SCADA enabled Reversible Drum Type mixer/ concrete Batch Mix plant (Pan mixer) etc. complete, with fine aggregate (Crushed sand V.S.I. Grade).	Rs.14953.00	Cubic Metre	16,896.89
		S.S.R.2022-23 Item No. 26.05			
		R.A.No.4			

Item No.	Quantity	Item of Work	Rate	Unit	Amount
5	2.24 Cubic Metre	Providing and laying Cast in situ/ Ready Mix cement concrete in M-20 of trap / quartzite /granite /gneiss metal for R.C.C. Waist Slab, and steps of staircases as per detailed design and drawings or as directed including steel centering, plywood/ steel formwork, steel props, laying/ pumping, compaction, finishing uneven and honeycombed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided and curing etc. complete, with fully automatic micro processor based PLC with SCADA enabled Reversible Drum Type mixer/ concrete Batch Mix plant (Pan mixer) etc. complete, with fine aggregate (Crushed sand V.S.I. Grade). (Excluding enforcement, including cover block).(Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin)	Rs.12988.90	Cubic Metre	29,095.13
		S.S.R.2022-23 Item No. 26.25			
		R.A.No.5			
6	1.49 Cubic Metre	Providing and laying Cast in situ/ Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. Coping to plinth or parapet and sill of doors and windows moulded as per detailed drawings or chamfered as approved by the Engineer including centering, formwork, cover blocks, laying/ pumping, compacting , curing , finishing and roughening them if special finish is to be provided and curing complete. (Excluding reinforcement and structural steel), with fully automatic micro processor based PLC with SCADA enabled Reversible Drum Type mixer/ concrete Batch Mix plant (Pan mixer) etc. complete, with fine aggregate (Crushed sand V.S.I. Grade).	Rs.7879.30	Cubic Metre	11,740.15
		S.S.R.2022-23 Item No. 26.23			
		R.A.No.6			
7	5.73 Metric Tonne	Providing and fixing in position TMT FE -500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules, including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.	Rs.94116.40	Metric Tonne	5,39,286.97
		S.S.R.2022-23 Item No. 26.33			
		R.A.No.7			

Item No.	Quantity	Item of Work	Rate	Unit	Amount
8	64.02 Cubic Metre	Providing second class Burnt Brick masonry with conventional / I. S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding complete.	Rs.8723.95	Cubic Metre	5,58,507.27
		S.S.R.2022-23 Item No. 27.05			
		R.A.No.8			
9	232.90 Square Metre	Providing internal cement plaster 6 mm. thick in a single coat in cement mortar 1:3 without neeru finish to concrete surface in all positions including scaffolding and curing etc. complete.	Rs.221.30	Square Metre	51,540.77
		S.S.R.2022-23 Item No. 32.02			
		R.A.No.9			
10	732.29 Square Metre	Providing internal cement plaster 12 mm. thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete.	Rs.295.65	Square Metre	2,16,501.53
		S.S.R.2022-23 Item No. 32.04			
		R.A.No.10			
11	965.20 Square Metre	Providing and applying Two coats of wall care Putty of 2 mm. thickness for plastered surface and 5-6 mm. thickness finished concrete surface to Ceiling and Walls to prepare surface even and smooth of Brands BIRLA WHITE, BERGER, BISION, J.K., make, etc. complete for plastered walls/ ceiling 2 mm.	Rs.94.45	Square Metre	91,163.14
		S.S.R.2022-23 Item No. 32.34			
		R.A.No.11			
12	416.73 Square Metre	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm. thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm. thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding	Rs.679.10	Square Metre	2,83,001.34
		S.S.R.2022-23 Item No. 32.11			
		R.A.No.12			
13	0.42 Cubic Metre	Providing and fixing frame with/ without ventilator of size as specified with country cut teak wood for doors and windows including chamferring, rounding, rebating, iron holdfast size 300 mm x 40 mm x 5 mm with oil painting.	Rs,209892.45	Cubic Metre	88,154.82
		S.S.R.2022-23 Item No. 39.01			
		R.A.No.13			

Item No.	Quantity	Item of Work	Rate	Unit	Amount
14	16.80 Square Metre	Providing and fixing solid core flush door shutter in single leaf 32 mm thick decorative type of exterior grade as per detailed drawings approved face veneers 3 mm thick on both faces or as directed, all necessary beads, mouldings and lipping, wrought iron hold fasts, chromium plated fixtures and fastenings, with brass mortise lock, chromium plated handles on both sides, and finishing with French Polish etc. complete.	Rs.3230.50	Square Metre	54,272.40
		S.S.R.2022-23 Item No. 39.09			
		R.A.No.14			
15	3.60 Square Metre	Providing and fixing the country cut teak wood double or single leaf second class fully pannelled door shutter with 35 mm thick style and rail with 25 mm thick pannels with openable fan light as per detailed drawings. Excluding the door frame 60 mm x 100 mm, stainless steel fixtures and fastening and finishing the wood work with oil panting 3 coats.	Rs.9949.30	Square Metre	35,817.48
		S.S.R.2022-23 Item No. 39.04			
		R.A.No.15			
16	10.08 Square Metre	Providing and fixing 30 milimetre thick PVC FLUSH L DOOR SHUTTER consisting of panel of hollow PVC profile of 20 milimetre thickness consisting frame made out of M.S. tubes of 19 gauge thickness and size of 19 milimetre x 19 milimetre inserted inside the hollow section of stiles rails top and bottom rails and two 19 x 19 milimetre mild steel tubes inserted horizontally inside the hollow profile section using 4/5 milimetre sheet using screws hollow profile shall be lipped with 10 milimetre (5 milimetre x 2) thick x 20 milimetre width on stiles and rails using solvent cement. The inner panel shall be laminated with 5 milimetre thick termite proof waterproof plain/ prelam PVC sheet using solvent cement on the both sides of the panel including stainless steel fixtures and fastening etc. complete as per direction of Engineer incharge, manufacturers specification and	Rs.6870.15	Square Metre	69,251.11
		S.S.R.2022-23 Item No. 39.82			
		R.A.No.16			

Item No.	Quantity	Item of Work	Rate	Unit	Amount
17	33.12 Square Metre	Providing and fixing mild steel grill work for windows, ventilators etc. 20 kg./sq.m.as per drawing including fixtures, necessary welding and painting with one coats of anticorrosive paint and two coats of oil painting complete.	Rs.2200.15	Square Metre	72,868.96
		S.S.R.2022-23 Item No. 40.01			
		R.A.No.17			
18	33.12 Square Metre	Providing and fixing in position (as per I.S.1868: 1982) Aluminium sliding window of two tracks with rectangular pipe having overall dimension 63.50 x 38.10 x 1.02 mm. at weight 0.547 kg/Rmt. and window frame bottom track section 61.85 x 31.75 x 1.20 mm. at weight 0.695 kg/Rmt. Top and side track section 61.85 x 31.75 x 1.30 mm. at weight 0.659 kg/Rmt. The shutter should be of bearing bottom 40 x 18 x 1.25 mm. at weight 0.417 kg/Rmt. Inter locking section 40 x 18 x 1.10 mm. at weight 0.469 kg/Rmt. And handle section 40 x 18 x 1.25 mm. at weight 0.417 kg/Rmt. and top section 40 x 18 x 1.25 mm. at weight 0.417 kg/Rmt. As per detailed drawings and as directed by Engineer in charge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm. thick plain glass with all required screws and nuts etc, complete with colour Anodising with box.	Rs.5748.55	Square Metre	1,90,391.97
		S.S.R.2022-23 Item No. 39.37			
		R.A.No.18			
19	6.40 Running Metre	Providing and fixing 900 mm high S.S. 304 Grade Stainless steel railing with 40 mm diameter and 1.5 mm thick at top, 40 mm diameter and 1.5 mm thick vertical supports spaced at 1.5 m center to center and 8 mm thick toughened glass including fabricating, fixtures, erecting, necessary welding, grinding, finishing, buffing to stainless steel pipe etc. complete.	Rs.4935.45	Running Metre	31,586.88
		S.S.R.2022-23 Item No. 40.07			
		R.A.No.19			

Item No.	Quantity	Item of Work	Rate	Unit	Amount
20	180.78 Square Metre	Providing and laying vitrified mirror/ glossy finish tiles for Flooring of decorative type having size 590 mm. to 605 mm. x 590 mm. to 605 mm. of 8 to 10 mm. thickness and confirming to I.S. 15622: 2006 (group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and clearing etc. complete.	Rs.1239.40	Square Metre	2,24,058.73
		S.S.R.2022-23 Item No. 33.40			
		R.A.No.20			
21	21.54 Square Metre	Providing and laying vitrified mirror / glossy finish tiles for Skirting having size 590 mm to 605 mm. x 590 mm. to 605 mm. of 8 to 10 mm. thickness and confirming to IS. 15622-2006 (group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and clearing etc. complete.	Rs.1318.05	Square Metre	28,390.79
		S.S.R.2022-23 Item No. 33.41			
		R.A.No.21			
22	19.88 Square Metre	Providing and fixing machine cut machine polished 18 mm. to 20 mm. thick telephone black/ Amba White/ Cat bary brown/ Ruby Red/ Ocean Brown granite stone for treads and risers of steps and staircases of approved colour and shade with rounded moulding and three grooved line for the treads on bed of 1:4 Cement mortar including float filling joints with neat cement slurry curing polishing and cleaning etc. complete.	Rs.4382.55	Square Metre	87,125.09
		S.S.R.2022-23 Item No. 33.35			
		R.A.No.22			
23	965.20 Square Metre	Providing & applying washable oil bound distemper of approved colour and shade to old & new surfaces in two coats including scaffolding, preparing the surfaces.(excluding the primer coat.) complete.	Rs.50.35	Square Metre	48,597.82
		S.S.R.2022-23 Item No. 36.11			
		R.A.No.23			
24	965.20 Square Metre	Providing and applying white-wash in two coats on old/new plastered or masonry surfaces and asbestos cement sheets including scaffolding and preparing the surface by brushing & brooming down complete.	Rs.12.60	Square Metre	12,161.52

Item No.	Quantity	Item of Work	Rate	Unit	Amount
	S.S.R.2022-23 Item No. 36.03				
	R.A.No.24				
25	416.73 Square Metre	Providing and applying two coats of exterior acrylayc emulsion paint conforming to corresponding I.S.of approved manufacture and of approved colour to the plastered surfaces including cleaning, preparing the plaster surface, applying primer coat, scaffolding if necessary and watering the surface for two days etc. complete.	Rs.273.85	Square Metre	1,14,121.51
	S.S.R.2022-23 Item No. 35.25				
	R.A.No.25				
26	50.00 Running Metre	Providing and fixing 75 mm diameter stabiliser pipe/ P.V.C. soil vent/ waste pipe and with necessary fixtuers and fitting such as bends, tees, single junctions slotted vent, clamps etc.	Rs.636.85	Running Metre	31,842.50
	S.S.R.2022-23 Item No. 42.51				
	R.A.No.26				
27	50.00 Running Metre	Providing and fixing 100 mm diameter stabiliser pipe/ P.V.C. soil vent/ waste pipe and with necessary fixtuers and fitting such as bends, tees, single junctions slotted vent, clamps etc.	Rs.826.75	Running Metre	41,337.50
	S.S.R.2022-23 Item No. 42.52				
	R.A.No.27				
28	23.67 Square Metre	Providing and laying Antiskid Ceramic tiles of approved quality of size 30 cm. x 30 cm. and conforming to I.S.15622-2006 (Group-B IIA) for antiskid flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with cement slurry cleaning curing etc. complete.	Rs.1263.50	Square Metre	29,907.04
	S.S.R.2022-23 Item No. 33.67				
	R.A.No.28				
29	108.86 Square Metre	Providing and laying ceramic tiles of RAK/ Kajaria/ Nitco/Asian or equivalent make having size 30 cm. x 45 cm. for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc.	Rs.1346.15	Square Metre	1,46,541.88
	S.S.R.2022-23 Item No. 33.26				
	R.A.No.29				
30	6.00 Number	Providing and fixing 15 mm diameter screw down bib/stop tap of brass including necessary socket union nut complete.	Rs.704.00	Number	4,224.00
	S.S.R.2022-23 Item No. 41.40				
	R.A.No.30				

Item No.	Quantity	Item of Work	Rate	Unit	Amount
31	6.00 Number	Providing and fixing 25 mm diameter screw down bib/ stop tap of brass including necessary socket union nut complete.	Rs.1433.20	Number	8,599.20
		S.S.R.2022-23 Item No. 41.42			
		R.A.No.31			
32	8.00 Number	Providing and fixing 10 cm C.I. Nahani Trap including C.I. grating ,bend and piece of C.I. pipe upto the outside face of the wall complete.	Rs.1185.10	Number	9,480.80
		S.S.R.2022-23 Item No. 41.80			
		R.A.No.32			
33	6.00 Number	Providing and fixing European type white glazed earthenware coupled closet syphonic trap with syphonic low level white glazed 10 litres cistern with black backlite seat with all necessary pipe connection etc. complete.	Rs.11760.25	Number	70,561.50
		S.S.R.2022-23 Item No. 42.34			
		R.A.No.33			
34	40.00 Running Metre	Providing and fixing on walls /ceiling /floor 15 milimetre diameter CPVC pipe with necessary fittings, remaking good the demolished portion. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed complete.	Rs.279.10	Running Metre	11,164.00
		S.S.R.2022-23 Item No. 42.55			
		R.A.No.34			
35	40.00 Running Metre	Providing and fixing on walls /ceiling /floor 25 milimetre diameter CPVC pipe with necessary fittings, remaking good the demolished portion.Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.	Rs.393.45	Running Metre	15,738.00
		S.S.R.2022-23 Item No. 42.57			
		R.A.No.35			
36	40.00 Running Metre	Providing and fixing on walls /ceiling /floor 40 milimetre diameter CPVC pipe with necessary fittings, remaking good the demolished portion.Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.	Rs.565.50	Running Metre	22,620.00
		S.S.R.2022-23 Item No. 42.59			
		R.A.No.36			

Item No.	Quantity	Item of Work	Rate	Unit	Amount
37	6.00 Number	Providing and fixing coloured glazed earthenware Wash Hand Basin of 55 cm x 40 cm including cold water piller tap/cold and hot water piller tap brackets, rubber plugs and brass chain, stop tap and necessary pipe connection including P.V.C. waste pipe and trap up to the outside face of the wall.	Rs.6283.15	Number	37,698.90
		S.S.R.2022-23 Item No. 41.66			
		R.A.No.37			
38	6.00 Number	Providing and fixing 450 mm.x550 mm. size superior type Belgium mirror with 16 mm diameter nickel plated towel rod etc. complete.	Rs.903.35	Number	5,420.10
		S.S.R.2022-23 Item No. 42.20			
		R.A.No.38			
39	18.00 Running Metre	Providing and fixing P.V.C. Rain water pipes of 160 mm outer diameter and having wall thickness of 2.2 to 2.7 mm conforming to I.S. 13592-1992 including proper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, such as, offsets, shoes, including fixing the pipe on wall using approved wooden cleats projecting 25 mm to 40 mm from face of wall a fixing with clips of approved quality and number ,filing the joint using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks, including necessary scaffolding and maintenance for 3 yrs for any leakages or dislocations of pipes. All the P.V.C. fittings and additional 2 piece socket clips shall be got approved from engineer in charge etc. complete. (The contractor shall give 3 yrs guarantee bond for payment)	Rs.1553.85	Running Metre	27,969.30
		S.S.R.2022-23 Item No. 42.85			
		R.A.No.39			
40	6.24 Square Metre	Providing and laying telephone black/ Amba White/ Cadburybrown/ Ruby red/ Ocean Brown granite stone of 18 to 20 mm thick for door frame/ dado/ window boxing etc. on Cement Mortar 1:6 including filling joints with polymer base filler nosing the sharp edges wherever necessary, curing, etc. complete.	Rs.4607.05	Square Metre	28,747.99
		S.S.R.2022-23 Item No. 33.68			

Item No.	Quantity	Item of Work	Rate	Unit	Amount
R.A.No.40					
41	4.73 Cubic Metre	Providing waterproofing in W.C. and bath including brick bat coba in all position including providing and laying 12 mm bedding in cement mortar 1:3 on vergin concrete slab with waterproofing compound @ 1kg/ per bag of cement laying brick bat coba of required thickness in cm 1:5 with waterproofing compound 1 kg/bag of cement grouting and finishing the top layer with 20 mm thick brick bedding in cm mortar 1:3 with waterproofing compound 1 kg/ per bag of cement and testing the treated portion for 48 hours by pond test and covering ten years' guarantee on requisite stamp paper including curing etc. complete.	Rs.6812.75	Cubic Metre	32,224.30
S.S.R.2022-23 Item No. 31.26					
R.A.No.41					
42	247.13 Square Metre	Providing cement based water proofing treatment to terraces (Indian water proofing or alike) with brick bats laid in required slope to drain the water for any span after cleaning the base surface. Applying a coat of cement slurry admixed with approved water proofing compound and laying the brick bats on bottom layer in C.M.1:5 admixed with approved water proofing compound filling up to half depth of brick bats, curing this layer for 3 days, applying cement	Rs.1272.75	Square Metre	3,14,534.70
S.S.R.2022-23 Item No. 31.04					
R.A.No.42					
43	20,000.00 Litre	Providing and fixing H.D.P container Syntex or alike one piece moulded water tank made out of high density polythyler and built corrugated inclusive of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow pipe inclusive of all tanks capacity between 1000 to 20000 liters.	Rs.11.55	Litre	2,31,000.00
S.S.R.2022-23 Item No. 42.54					
R.A.No.43					

Item No.	Quantity	Item of Work	Rate	Unit	Amount
44	20.00 Number	<p>Providing and fixing Single Bed of Size 2025Lx1000Dx650H with mattress and pillow.</p> <p>Understructure: - The legs are made of Square tube of size 25 x 25mm made out of MS with a thickness of 1.2 mm. The legs should have corner brackets welded to it at two levels. The corner brackets are made of 2mm thick CRCA having a L shaped structure to join the side panels and headboard to the leg. Three nos. of Horizontal stiffeners are provided at equal intervals. The stiffeners are made of Square tube of size 25 x 25mm made out of MS with a thickness of 1.2mm. The middle Horizontal Stiffener has a leg attached to it to transfer the load to the ground and add to the strength and stability of the complete structure. This leg is also made of Square tube of size 25 x 25mm made out of MS with a thickness of 1.2mm. All Metal components to undergo 7 tank treatment process and should be powder coated to the thickness of minimum 50 Microns DFT.</p> <p>Side Panel: - The side panels are made up of 18mm thick Prelam Particle Board with both side</p>	Rs.20319.85	Number	4,06,397.00
		S.S.R.2022-23 Item No. 51.55			
		R.A.No.44			
45	20.00 Number	<p>Providing and Fixing Bed Side Table of size 400LX 400DX 415H. The bed side unit is made up of 18mm thick Prelam Particle Board with both side decorative laminate. All exposed edges are sealed with 2mm thick PVC edge Banding. The bed side table has one drawer and one shelf. The shelf is made of 18mm thick Prelam Particle Board with both side decorative laminate. All exposed edges are sealed with 2mm thick PVC edge Banding</p>	Rs.6715.95	Number	1,34,319.00
		S.S.R.2022-23 Item No. 51.58			
		R.A.No.45			

Total Rs. 53,49,906.77

Say Rs. 53,49,907.00

192

**Name of work :- Construction of Rashtrasanta Tukdoji Maharaj Shetkari Bhavan
(Ground Floor)**

ABSTRACT

Item No.	Quantity	Item of Work	Rate	Unit	Amount
1	202.83 Cubic Metre	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting, dewatering etc. complete. (Lift upto 1.5 m.) by Mechanical Means.	Rs.215.10	Cubic Metre	43,628.73
		S.S.R.2022-23 Item No. 21.02			
		R.A.No.1			
2	49.97 Cubic Metre	Excavation for foundation in Hard rock by chiselling, wedging, line drilling, etc. including trimming and levelling the bed, removing the excavated material upto a distance of 50 metres beyond the building area stacking as directed, dewatering and back filling with available earth/ murum watering, ramming etc. complete. (Lift upto 1.5 m) by Mechanical Means.	Rs.1358.25	Cubic Metre	67,871.75
		S.S.R.2022-23 Item No. 21.20			
		R.A.No.2			
3	49.97 Cubic Metre	Excavation for foundation in Hard-rock by blasting including trimming and leveling the bed by chiselling where necessary and removing the excavated material and stacking it in measurable heaps within a distance of 50 metres from the building area including dewatering and back filling with available earth/ murum watering, ramming etc. complete, (Lift from 1.5m To 3.0 m) by Mechanical Means.	Rs.1073.50	Cubic Metre	53,642.79
		S.S.R.2022-23 Item No. 21.18			
		R.A.No.3			
4	50.03 Cubic Metre	Providing soling using 80mm size trap metal in 15 cm. layer including filling voids with crushed sand /grit ramming, watering complete.	Rs.1802.70	Cubic Metre	90,189.08
		S.S.R.2022-23 Item No. 21.40			
		R.A.No.4			

Item No.	Quantity	Item of Work	Rate	Unit	Amount
5	45.68 Cubic Metre	Providing and laying Cast in situ/ Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand	Rs.6416.45	Cubic Metre	2,93,103.43,
		S.S.R.2022-23 Item No. 24.01			
		R.A.No.5			
6	67.35 Cubic Metre	Providing and laying in situ/ Ready Mix cement concrete M-20 of trap/ granite/quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, formwork, laying/ pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided, (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled Reversible Drum Type mixer/ concrete Batch Mix plant (Pan mixer) etc. complete, with fine aggregate (Crushed sand V.S.I. Grade).	Rs.7718.05	Cubic Metre	5,19,810.66
		S.S.R.2022-23 Item No. 25.11			
		R.A.No.6			
7	11.67 Cubic Metre	Providing and laying cast in situ/ Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including centering, formwork, cover blocks, laying/ pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete, (Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled Reversible Drum Type mixer/ concrete Batch Mix plant (Pan mixer) etc. complete with fine aggregate (Crushed sand V.S.I. Grade).	Rs.14658.85	Cubic Metre	1,71,068.77
		S.S.R.2022-23 Item No. 25.31			
		R.A.No.7			

Item No.	Quantity	Item of Work	Rate	Unit	Amount
8	45.72 Cubic Metre	Providing and laying Cast in situ/ Ready Mix cement concrete M-20 of trap/ granite/quartzite/ gneiss metal for R.C.C. Beams and Lintels as per detailed designs and drawings or as directed including centering, formwork, cover blocks, laying/ pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel), with fully automatic micro processor based PLC with SCADA enabled Reversible Drum Type mixer/ concrete Batch Mix plant (Pan mixer) etc. complete with fine aggregate (Crushed sand V.S.I. Grade).	Rs.13085.50	Cubic Metre	5,98,269.06
		S.S.R.2022-23 Item No. 25.50			
		R.A.No.8			
9	23.07 Cubic Metre	Providing and laying Cast in situ/ Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. Slabs and Landings as per detailed designs and drawings including centering, formwork, cover blocks, laying/ pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete, (Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled Reversible Drum Type mixer/ concrete Batch Mix plant (Pan mixer) etc. complete, with fine aggregate (Crushed sand	Rs.14813.70	Cubic Metre	3,41,752.05
		S.S.R.2022-23 Item No.			
		R.A.No.9			
10	1.04 Cubic Metre	Providing and laying Cast in situ/ Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. Chajja as per detailed design and drawings including centering, formwork, cover blocks compacting , curing , finishing and roughening the surface if special finish is to be provided and curing complete (Excluding reinforcement and structural steel), with fully automatic micro processor based PLC with SCADA enabled Reversible Drum Type mixer/ concrete Batch Mix plant (Pan mixer) etc. complete, with fine aggregate (Crushed sand V.S.I. Grade).	Rs.14813.70	Cubic Metre	15,406.24
		S.S.R.2022-23 Item No. 26.05			
		R.A.No.10			

Item No.	Quantity	Item of Work	Rate	Unit	Amount
11	2.24 Cubic Metre	Providing and laying Cast in situ/ Ready Mix cement concrete in M-20 of trap / quartzite /granite /gneiss metal for R.C.C. Waist Slab, and steps of staircases as per detailed design and drawings or as directed including steel centering, plywood/ steel formwork, steel props, laying/ pumping, compaction, finishing uneven and honeycombed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided and curing etc. complete, with fully automatic micro processor based PLC with SCADA enabled Reversible Drum Type mixer/ concrete Batch Mix plant (Pan mixer) etc. complete, with fine aggregate (Crushed sand V.S.I. Grade). (Excluding reinforcement, including cover block).(Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin)	Rs.12868.30	Cubic Metre	28,824.99
		S.S.R.2022-23 Item No. 26.25			
		R.A.No.11			
12	17.28 Cubic Metre	Providing and laying Cast in situ/ Ready Mix cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. Pardi of required thickness including centering, formwork, cover blocks, laying/ pumping, compacting, curing, finishing and rougheningthem if special finish is to be provided and curing complete, (Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled Reversible Drum Type mixer/ concrete Batch Mix plant (Pan mixer) etc. complete, with fine aggregate (Crushed sand V.S.I. Grade).	Rs.16512.80	Cubic Metre	2,85,341.18
		S.S.R.2022-23 Item No. 26.17			
		R.A.No.12			
13	13.37 Metric Tonne	Providing and fixing in position TMT FE -500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules, including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.	Rs.93219.35	Metric Tonne	12,46,342.70
		S.S.R.2022-23 Item No. 26.33			
		R.A.No.13			

Item No.	Quantity	Item of Work	Rate	Unit	Amount
14	10.69 Cubic Metre	Providing second class Burnt Brick masonry with conventional /I. S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls /in plinth external walls including bailing out water manually, striking joints on unexposed faces, raking out joints on exposed faces and watering complete.	Rs.8395.60	Cubic Metre	89,748.96
		S.S.R.2022-23 Item No. 27.01			
		R.A.No.14			
15	32.63 Cubic Metre	Providing second class Burnt Brick masonry with conventional / I. S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding complete.	Rs.8644.00	Cubic Metre	2,82,053.72
		S.S.R.2022-23 Item No. 27.05			
		R.A.No.15			
16	99.94 Cubic Metre	Filling in plinth and floors with approved excavated materials in 15 cm to 20 cm layers including watering & compaction complete.	Rs.124.70	Cubic Metre	12,462.51
		S.S.R.2022-23 Item No. 21.36			
		R.A.No.16			
17	189.86 Cubic Metre	Filling in plinth and floors with contractors soil. Sand or murum materials in 15 cm to 20 cm layers including watering & compaction complete.	Rs.874.70	Cubic Metre	1,66,070.54
		S.S.R.2022-23 Item No. 21.37			
		R.A.No.17			
18	276.87 Square Metre	Providing internal cement plaster 6 mm. thick in a single coat in cement mortar 1:3 without neeru finish to concrete surface in all positions including scaffolding and curing etc. complete.	Rs.219.20	Square Metre	60,689.90
		S.S.R.2022-23 Item No. 32.02			
		R.A.No.18			
19	420.48 Square Metre	Providing internal cement plaster 12 mm. thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete.	Rs.292.85	Square Metre	1,23,137.56
		S.S.R.2022-23 Item No. 32.04			
		R.A.No.19			
20	697.35 Square Metre	Providing and applying Two coats of wall care Putty of 2 mm. thickness for plastered surface and 5-6 mm. thickness finished concrete surface to Ceiling and Walls to prepare surface even and smooth of Brands BIRLA WHITE, BERGER, BISION, J.K., make, etc. complete for plastered walls/ ceiling 2 mm.	Rs.93.55	Square Metre	65,237.09
		S.S.R.2022-23 Item No. 32.34			

Item No.	Quantity	Item of Work	Rate	Unit	Amount
R.A.No.20					
21	263.36 Square Metre	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm. thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm. thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding	Rs.672.75	Square Metre	1,77,175.44
S.S.R.2022-23 Item No. 32.11					
R.A.No.21					
22	20.40 Square Metre	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm. with lock plate of 3.15 mm. thickness reinforced with 35 x 35 x 5 mm. angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section of depth and thickness not less than 65 mm. and 3.15 mm. respectively with hold fast arrangements, M.S. Bracket plate 300 x 300 x 3.15 mm. minimum size and shape with square bar, suspension shaft of minimum 32 mm. diameter, hood cover of M.S. sheet not less than 0.9 mm. thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S. 6248-1979) (With mechanical	Rs.5516.05	Square Metre	1,12,527.42
S.S.R.2022-23 Item No. 39.25					
R.A.No.22					
23	0.16 Cubic Metre	Providing and fixing frame with/ without ventilator of size as specified with country cut teak wood for doors and windows including chamferring, rounding, rebating, iron holdfast size 300 mm x 40 mm x 5 mm with oil painting,	Rs.207891.95	Cubic Metre	33,262.71
S.S.R.2022-23 Item No. 39.01					
R.A.No.23					
24	4.80 Square Metre	Providing and fixing solid core flush door shutter in single leaf 32 mm thick decorative type of exterior grade as per detailed drawings approved face veneers 3 mm thick on both faces or as directed, all necessary beads, mouldings and lipping, wrought iron hold fasts, chromium plated fixtures and fastenings, with brass mortise lock, chromium plated handles on both sides, and finishing with French Polish etc. complete.	Rs.3199.70	Square Metre	15,358.56

Item No.	Quantity	Item of Work	Rate	Unit	Amount
	S.S.R.2022-23 Item No. 39.09				
	R.A.No.24				
25	3.60 Square Metre	Providing and fixing the country cut teak wood double or single leaf second class fully pannelled door shutter with 35 mm thick style and rail with 25 mm thick pannels with openable fan light as per detailed drawings. Excluding the door frame 60 mm x 100 mm, stainless steel fixtures and fastening and finishing the wood work with oil panting 3 coats.	Rs.9949.30	Square Metre	35,817.48
	S.S.R.2022-23 Item No. 39.04				
	R.A.No.25				
26	8.40 Square Metre	Providing and fixing 30 milimetre thick PVC FLUSH L DOOR SHUTTER consisting of panel of hollow PVC profile of 20 milimetre thickness consisting frame made out of M.S. tubes of 19 gauge thickness and size of 19 milimetre x 19 milimetre inserted inside the hollow section of stiles rails top and bottom rails and two 19 x 19 milimetre mild steel tubes inserted horizontally inside the hollow profile section using 4/5 milimetre sheet using screws hollow profile shall be lipped with 10 milimetre (5 milimetre x 2) thick x 20 milimetre width on stiles and rails using solvent cement. The inner panel shall be laminated with 5 milimetre thick termite proof waterproof plain/ prelam PVC sheet using solvent cement on the both sides of the panel including stainless steel fixtures and fastening etc. complete as per direction of Engineer incharge, manufacturers specification and	Rs.6804.70	Square Metre	57,159.48
	S.S.R.2022-23 Item No. 39.82				
	R.A.No.26				
27	23.31 Square Metre	Providing and fixing mild steel grill work for windows, ventilators etc. 20 kg./sq.m.as per drawing including fixtures, necessary welding and painting with one coats of anticorrosive paint and two coats of oil painting complete.	Rs.2179.20	Square Metre	50,797.15
	S.S.R.2022-23 Item No. 40.01				
	R.A.No.27				

Item No.	Quantity	Item of Work	Rate	Unit	Amount
28	23.32 Square Metre	Providing and fixing in position (as per I.S.1868: 1982) Aluminium sliding window of two tracks with rectangular pipe having overall dimension 63.50 x 38.10 x 1.02 mm. at weight 0.547 kg/Rmt. and window frame bottom track section 61.85 x 31.75 x 1.20 mm. at weight 0.695 kg/Rmt. Top and side track section 61.85 x 31.75 x 1.30 mm. at weight 0.659 kg/Rmt. The shutter should be of bearing bottom 40 x 18 x 1.25 mm. at weight 0.417 kg/Rmt. Inter locking section 40 x 18 x 1.10 mm. at weight 0.469 kg/Rmt. And handle section 40 x 18 x 1.25 mm. at weight 0.417 kg/Rmt. and top section 40 x 18 x 1.25 mm. at weight 0.417 kg/Rmt. As per detailed drawings and as directed by Engineer in charge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm. thick plain glass with all required screws and nuts etc, complete with colour Anodising with box.	Rs.5693.80	Square Metre	1,32,779.41
		S.S.R.2022-23 Item No. 39.37			
		R.A.No.28			
29	6.40 Running Metre	Providing and fixing 900 mm high S.S. 304 Grade Stainless steel railing with 40 mm diameter and 1.5 mm thick at top, 40 mm diameter and 1.5 mm thick vertical supports spaced at 1.5 m center to center and 8 mm thick toughened glass including fabricating, fixtures, erecting, necessary welding, grinding, finishing, buffing to stainless steel pipe etc. complete.	Rs.4888.40	Running Metre	31,285.76
		S.S.R.2022-23 Item No. 40.07			
		R.A.No.29			
30	195.79 Square Metre	Providing and laying vitrified mirror/ glossy finish tiles for Flooring of decorative type having size 590 mm. to 605 mm. x 590 mm. to 605 mm. of 8 to 10 mm. thickness and confirming to I.S. 15622: 2006 (group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and clearing etc. complete.	Rs.1227.60	Square Metre	2,40,351.80
		S.S.R.2022-23 Item No. 33.40			
		R.A.No.30			

Item No.	Quantity	Item of Work	Rate	Unit	Amount
31	12.11 Square Metre	Providing and laying vitrified mirror / glossy finish tiles for Skirting having size 590 mm to 605 mm. x 590 mm. to 605 mm. of 8 to 10 mm. thickness and confirming to IS. 15622-2006 (group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and clearing etc. complete.	Rs.1305.55	Square Metre	15,810.21
		S.S.R.2022-23 Item No. 33.41			
		R.A.No.31			
32	30.36 Square Metre	Providing and fixing machine cut machine polished 18 mm. to 20 mm. thick telephone black/ Amba White/ Cat bary brown/ Ruby Red/ Ocean Brown granite stone for treads and risers of steps and staircases of approved colour and shade with rounded moulding and three grooved line for the treads on bed of 1:4 Cement mortar including float filling joints with neat cement slurry curing polishing and cleaning etc. complete.	Rs.4340.80	Square Metre	1,31,786.68
		S.S.R.2022-23 Item No. 33.35			
		R.A.No.32			
33	697.35 Square Metre	Providing & applying washable oil bound distemper of approved colour and shade to old & new surfaces in two coats including scaffolding, preparing the surfaces.(excluding the primer coat.) complete.	Rs.49.90	Square Metre	34,797.76
		S.S.R.2022-23 Item No. 36.11			
		R.A.No.33			
34	697.35 Square Metre	Providing and applying white-wash in two coats on old/new plastered or masonry surfaces and asbestos cement sheets including scaffolding and preparing the surface by brushing & brooming down complete.	Rs.12.45	Square Metre	8,682.00
		S.S.R.2022-23 Item No. 36.03			
		R.A.No.34			
35	263.36 Square Metre	Providing and applying two coats of exterior acryylic emulsion paint conforming to corresponding I.S.of approved manufacture and of approved colour to the plastered surfaces including cleaning, preparing the plaster surface, applying primer coat, scaffolding if necessary and watering the surface for two days etc. complete.	Rs.271.25	Square Metre	71,436.40
		S.S.R.2022-23 Item No. 35.25			
		R.A.No.35			

Item No.	Quantity	Item of Work	Rate	Unit	Amount
36	4.20 Square Metre	Providing and fixing collapsible steel gate in one/ two leaves with hot rolled vertical channels of 18 x 9 x 3 mm. minimum size, crossings of M.S. flats of size 18 x 5 mm. T or E section for runner of minimum 40 x 6 mm. size for flange, M.S. flat for top runner of minimum size 40 x 12 mm. with roller wheels conforming to grade F.G. 150 fitted with snap headed rivets of minimum size 6 mm. max. spacing of vertical channels be 100 mm. enclosed gate position and clear space of 150 mm. between two sets of crossings with hold fasts, stoppers, spaces, handles, locking arrangement and one coat of red lead primer & oil painting etc. complete. (I.S. 10521-1983).	Rs.4168.25	Square Metre	17,506.65
		S.S.R.2022-23 Item No. 39.26			
		R.A.No.36			
37	1.00 Number	Providing soak pit of size 120 cm x 120 cm x 120 cm including excavating and filling with brick- bats	Rs.3067.70	Number	3,067.70
		S.S.R.2022-23 Item No. 42.19			
		R.A.No.37			
38	10.00 Number	Providing & constructing Brick Masonry Inspection Chamber 60 cm x 45 cm x 90 cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round Glazed Stone Ware pipes, Brick Masonry, plastering from inside and with frame fixed in cement concrete with R.C.C. cover medium duty 140 kilogram with frame etc. complete.	Rs.9848.25	Number	98,482.50
		S.S.R.2022-23 Item No. 42.12			
		R.A.No.38			
39	50.00 Running Metre	Providing and fixing 75 mm diameter stabiliser pipe/ P.V.C. soil vent/ waste pipe and with necessary fixtuers and fitting such as bends, tees, single junctions slotted vent, clamps etc.	Rs.630.80	Running Metre	31,540.00
		S.S.R.2022-23 Item No. 42.51			
		R.A.No.39			
40	50.00 Running Metre	Providing and fixing 100 mm diameter stabiliser pipe/ P.V.C. soil vent/ waste pipe and with necessary fixtuers and fitting such as bends, tees, single junctions slotted vent, clamps etc.	Rs.818.90	Running Metre	40,945.00
		S.S.R.2022-23 Item No. 42.52			
		R.A.No.40			

Item No.	Quantity	Item of Work	Rate	Unit	Amount
41	50.00 Running Metre	Providing, laying & fixing, jointing Eco-drain 200 mm SN 4 Nu-Drain UPVC pipes or of equivalent make, manufacture as per EN 13476 or equivalent as per I.S.15328 with fittings such as bends, tees, coupler, etc. jointing with rubber lubricant including necessary excavation, trench refilling with selective excavated material etc. complete.	Rs.969.55	Running Metre	48,477.50
		S.S.R.2022-23 Item No. 43.32			
		R.A.No.41			
42	21.45 Square Metre	Providing and laying Antiskid Ceramic tiles of approved quality of size 30 cm. x 30 cm. and conforming to I.S.15622-2006 (Group-B IIA) for antiskid flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with cement slurry cleaning curing etc. complete.	Rs.1251.50	Square Metre	26,844.67
		S.S.R.2022-23 Item No. 33.67			
		R.A.No.42			
43	118.26 Square Metre	Providing and laying ceramic tiles of RAK/ Kajaria/ Nitco/Asian or equivalent make having size 30 cm. x 45 cm. for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc.	Rs.1333.35	Square Metre	1,57,681.97
		S.S.R.2022-23 Item No. 33.26			
		R.A.No.43			
44	3.38 Square Metre	Providing and fixing machine cut both side mirror polished 18 mm. to 20 mm. thick telephone black granite/ Amba White/ Cat bary brown/ Ruby Red/ Ocean Brown granite stone partition with rounding the edges etc. complete.	Rs.4177.85	Square Metre	14,121.13
		S.S.R.2022-23 Item No. 33.36			
		R.A.No.44			
45	5.00 Number	Providing and fixing 15 mm diameter screw down bib/stop tap of brass including necessary socket union nut complete.	Rs.697.30	Number	3,486.50
		S.S.R.2022-23 Item No. 41.40			
		R.A.No.45			
46	2.00 Number	Providing and fixing 25 mm diameter screw down bib/ stop tap of brass including necessary socket union nut complete.	Rs.1419.55	Number	2,839.10
		S.S.R.2022-23 Item No. 41.42			
		R.A.No.46			

Item No.	Quantity	Item of Work	Rate	Unit	Amount
47	4.00 Number	Providing and fixing 10 cm C.I. Nahani Trap including C.I. grating ,bend and piece of C.I. pipe upto the outside face of the wall complete.	Rs.1173.80	Number	4,695.20
		S.S.R.2022-23 Item No. 41.80			
		R.A.No.47			
48	3.00 Number	Providing and fixing 1st class white glazed earthenware 'Orisa Type' W.C. Pan 580 mm diameter including 'P' or 'S' trap cast iron soil and vent pipe upto the outside face of the wall (1:5:10) cement concrete bedding 15 mm thick 10 litre P.V.C. flushing cistern with all necessary pipe connection etc. complete.	Rs.7682.35	Number	23,047.05
		S.S.R.2022-23 Item No. 42.33			
		R.A.No.48			
49	2.00 Number	Providing and fixing European type white glazed earthenware coupled closet syphonic trap with syphonic low level white glazed 10 litres cistern with black backlite seat with all necessary pipe connection etc. complete.	Rs.11648.25	Number	23,296.50
		S.S.R.2022-23 Item No. 42.34			
		R.A.No.49			
50	40.00 Running Metre	Providing and fixing on walls /ceiling /floor 15 milimetre diameter CPVC pipe with necessary fittings, remaking good the demolished portion. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed complete.	Rs.276.45	Running Metre	11,058.00
		S.S.R.2022-23 Item No. 42.55			
		R.A.No.50			
51	40.00 Running Metre	Providing and fixing on walls /ceiling /floor 25 milimetre diameter CPVC pipe with necessary fittings, remaking good the demolished portion.Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.	Rs.389.70	Running Metre	15,588.00
		* S.S.R.2022-23 Item No. 42.57			
		R.A.No.51			
52	40.00 Running Metre	Providing and fixing on walls /ceiling /floor 40 milimetre diameter CPVC pipe with necessary fittings, remaking good the demolished portion.Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.	Rs.560.15	Running Metre	22,406.00
		S.S.R.2022-23 Item No. 42.59			
		R.A.No.52			

Item No.	Quantity	Item of Work	Rate	Unit	Amount
53	3.00 Number	Providing and fixing white glazed earthenware lipped flat back/ corner type Urinal with P.V.C. flushing cistern of 5 litre capacity with fittings, inlet pipes and stop tap, brackets for fixing the cistern, 32mm diameter P.V.C. flush pipe with fittings and flushing arrangement including lead soil pipe, lead trap and soil pipe connection up to the outside face of the wall.	Rs.4978.30	Number	14,934.90
		S.S.R.2022-23 Item No. 41.60			
		R.A.No.53			
54	4.00 Number	Providing and fixing coloured glazed earthenware Wash Hand Basin of 55 cm x 40 cm including cold water pillar tap/cold and hot water pillar tap brackets, rubber plugs and brass chain, stop tap and necessary pipe connection including P.V.C. waste pipe and trap up to the outside face of the wall.	Rs.6223.30	Number	24,893.20
		S.S.R.2022-23 Item No. 41.66			
		R.A.No.54			
55	4.00 Number	Providing and fixing 450 mm.x550 mm. size superior type Belgium mirror with 16 mm diameter nickel plated towel rod etc. complete.	Rs.894.75	Number	3,579.00
		S.S.R.2022-23 Item No. 42.20			
		R.A.No.55			
56	4.00 Number	Providing and fixing reinforced cement concrete Heavy duty (225 Kg) cover of size 90 centimeter x 45 centimeter with frame over inspection chamber etc. complete.	Rs.5862.15	Number	23,448.60
		S.S.R.2022-23 Item No. 42.68			
		R.A.No.56			

Item No.	Quantity	Item of Work	Rate	Unit	Amount
57	21.60 Running Metre	Providing and fixing P.V.C. Rain water pipes of 160 mm outer diameter and having wall thickness of 2.2 to 2.7 mm confirming to I.S. 13592-1992 including proper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, such as, offsets, shoes, including fixing the pipe on wall using approved wooden cleats projecting 25 mm to 40 mm from face of wall a fixing with clips of approved quality and number ,filing the joint using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks, including necessary scaffolding and maintenance for 3 yrs for any leakages or dislocations of pipes. All the P.V.C. fittings and additional 2 piece socket clips shall be got approved from engineer in charge etc. complete. (The contractor shall give 3 yrs guarantee bond for payment)	Rs.1539.05	Running Metre	33,243.48
		S.S.R.2022-23 Item No. 42.85			
		R.A.No.57			
58	5.20 Square Metre	Providing and laying telephone black/ Amba White/ Cadburybrown/ Ruby red/ Ocean Brown granite stone of 18 to 20 mm thick for door frame/ dado/ window boxing etc. on Cement Mortar 1:6 including filling joints with polymer base filler nosing the sharp edges wherever necessary, curing, etc. complete.	Rs.4563.20	Square Metre	23,728.64
		S.S.R.2022-23 Item No. 33.68			
		R.A.No.58			

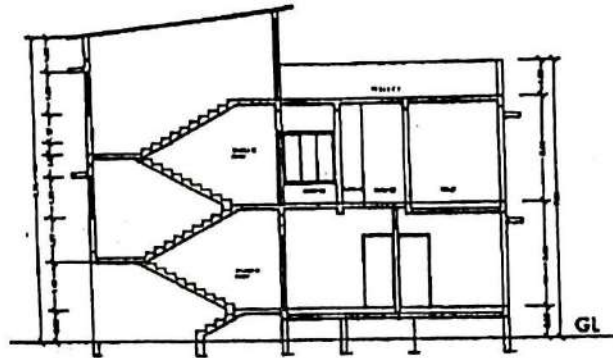
Total Rs. 63,72,591.26

Say Rs. 63,72,591.00

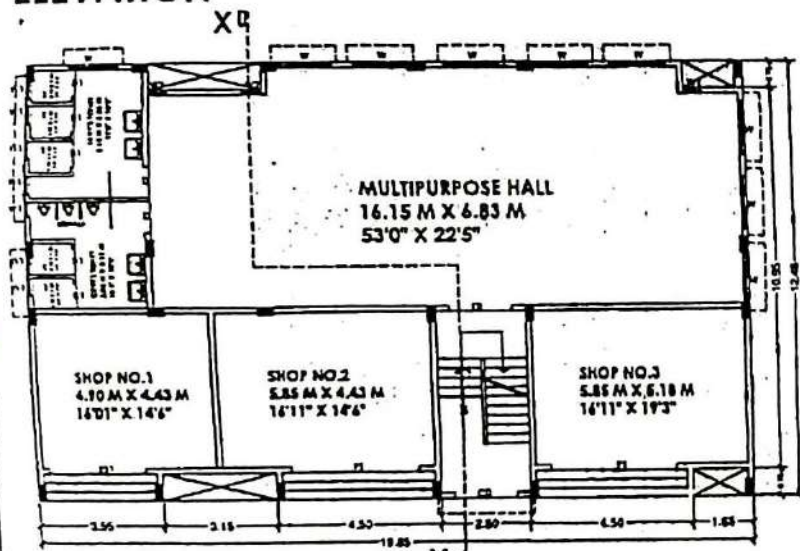
iKNOW



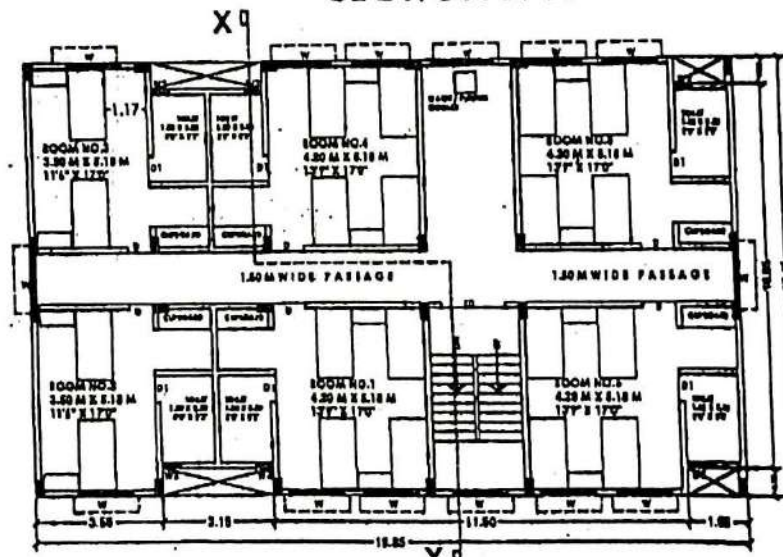
ELEVATION



SECTION X-X

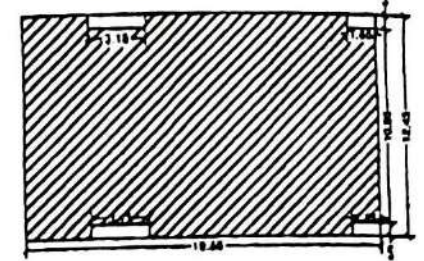


GROUND FLOOR

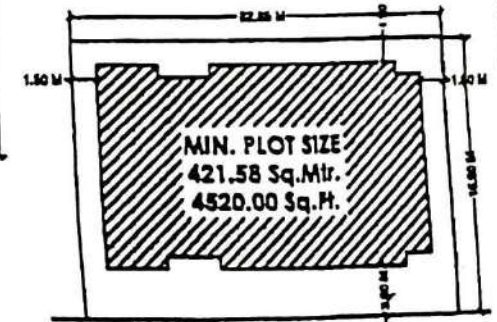


FIRST FLOOR

AREA DIAGRAM & B/U AREA DETAILS



- 1) GROUND FLOOR AREA
 - (A) BLOCK AREA = 19.85 X 12.45 = 247.13 SQ.M.
 - (B) DEDUCT (a) 2x3.15 X 0.75 = (-) 4.73 SQ.M.
 - (C) DEDUCT (b) 2x1.45 X 0.75 = (-) 2.18 SQ.M.
 - (D) NET BUILT-UP AREA = 239.92 SQ.M.
- 2) FIRST FLOOR AREA
 - (A) BLOCK AREA = 19.85 X 12.45 = 247.13 SQ.M.
 - (B) DEDUCT (a) 2x3.15 X 0.75 = (-) 4.73 SQ.M.
 - (C) DEDUCT (b) 2x1.45 X 0.75 = (-) 2.18 SQ.M.
 - (D) NET BUILT-UP AREA = 239.92 SQ.M.
- 3) TOTAL BUILT-UP AREA (1+2) = 479.84 SQ.M.
= 5163.08 SQ.FT.
- 4) LAND REQUIRED WITH 3 M MARGIN AROUND THE BUILDING = 22.85 M X 18.45 M
= 421.58 SQ.M.
= 4536.20 SQ.FT.



TENTATIVE LAYOUT FOR RASHTRASANT TUKDOJI MAHARAJ
SHETKARI BHAVAN (FOR 20 FARMERS)
FOR APMCS IN MAHARASHTRA

SCHEDULE OF OPENINGS

- CD - 1.75 X 2.40 M - COLLAPSIBLE DOOR
- RS - 1.50 X 2.40 M - ROLLING SHUTTER
- PD - 1.50 X 2.40 M - T.W. FOLDING DOOR
- D - 1.00 X 2.40 M - T.W. FRAME & FLUSH DOOR
- D1 - 0.80 X 2.10 M - GRANITE FRAME & SOLID PVC SHUTTER
- W - 1.50 X 1.50 M - AL SLIDING WINDOW-3 TRACK
- W1 - 0.48 X 0.60 - AL LOUVERED WINDOW