



GOVERNMENT OF MAHARASHTRA



PUBLIC WORKS DEPARTMENT B-1 TENDER PAPERS

**PUBLIC WORKS REGION PUNE
PUBLIC WORKS CIRCLE PUNE
PUBLIC WORKS DIVISION PUNE**

NAME OF WORK :- Renovation of Babasaheb Ambedkar Regional Training Institute (BARTI) campus, 28 Queens Garden, Camp, Pune-1.

Estimated Cost	:	Rs.	53,20,981/-
Security Deposit	:	Rs.	1,07,000/-
Earnest Money	:	Rs.	53,500/-

E-Tender Notice No. 61/08 2023-2024

I N D E X

NAME OF WORK:- Renovation of Babasaheb Ambedkar Regional Training Institute (BARTI) campus, 28 Queens Garden, Camp, Pune-1.

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Issued to _____		Registered in Class _____	
On Dated _____		Valid up to _____	
		D.R. No. _____	
		Dated _____	
Contractor.		Divisional Accounts Officer, Pune Public Works Division, PUNE - 411 001.	

महाराष्ट्र शासन
सार्वजनिक बांधकाम विभाग, पुणे- ४११ ००१
दुरध्वनी क्रमांक ०२०/२६१२२४८५ व २६१२२४१४ फॅक्स क्र. ०२०/२६१२२४८५

Web- www.mahapwd.gov.in & e-mail- pune.ee@mahapwd.gov.in

ई-निविदा सूचना क्रमांक ६१ सन २०२३-२०२४

कार्यकारी अभियंता, पुणे सार्वजनिक बांधकाम विभाग, पुणे मध्यवर्ती इमारत आवार पुणे १ (दुरध्वनी क्रमांक ०२०-२६१२२४८५/२६१२२४१४) हे महाराष्ट्र शासन सार्वजनिक बांधकाम विभाग, शासन निर्णय क्रमांक सीएटी/२०१७/प्र. क्र. ०८/इमा-२, दिनांक २७/९/२०१८ व शासन सा. बां. विभाग मुंबई परिपत्रक क्र. सीएटी/२०१७/प्र. क्र. ८/इमा-२, दिनांक २२/१०/२०१८ आणि शासन सा. बां. विभाग, मंत्रालय, मुंबई शासन निर्णय क्रमांक सीएटी-२०१७/प्र. क्र. ८/इमा-२, दिनांक २०/५/२०२१ अन्वये महाराष्ट्र शासनाच्या सार्वजनिक बांधकाम खात्याकडे योग्य त्या वर्गातील नोंदणीकृत असलेल्या कंत्राटदारांकडून खालील अनुक्रमांक व अंदाजित किंमतीचे कामासाठी **बी-१** नमुन्यातील निविदा ई-निविदा प्रणालीद्वारे (ऑनलाईन) मागवित आहेत.

निविदा कागदपत्रे शासनाच्या संकेतस्थळावर <https://mahatenders.gov.in> येथून डाऊनलोड करण्यांत यावीत. तसेच निविदा स्विकारण्याचा अथवा नाकारण्याचा अधिकार कार्यकारी अभियंता, सार्वजनिक बांधकाम विभाग, पुणे - १ यांनी राखून ठेवलेला आहे. अट असलेली निविदा स्विकारली जाणार नाही.

कामाचे नांव	:-	निविदा सुचनेमध्ये खालील अंदाजपत्रकीय किंमतीची कामे समाविष्ट आहेत.
अंदाजित किंमत	:-	खालील तक्त्यानुसार
	१.	रु. ६२,१७,९७८/-
	२.	रु. ९८,१५,८९३/-
	३.	रु. ६४,५६,२८४/-
	४.	रु. ६६,८०,६३८/-
	५.	रु. ६४,०१,७७९/-
	६.	रु. ८२,९०,६२७/-
	७.	रु. ७९,३८,४०६/-
	८.	रु. ५३,२०,९८१/-
ई-निविदा उपलब्ध कालावधी / ऑनलाईन विक्री कालावधी	:-	दिनांक २५/१०/२०२३ सकाळी १०.०० वा.ते दिनांक ०१/११/२०२३ सायंकाळी १८.०० वाजेपर्यंत.
निविदा पुर्व चर्चा बैठक	:-	---- निरंक ---
ऑनलाईन निविदा सादर करावयाचा कालावधी	:-	दिनांक २५/१०/२०२३ सकाळी १०.०० वा.ते दिनांक ०१/११/२०२३ सायंकाळी १८.०० वाजेपर्यंत.
ऑनलाईन ई निविदा उघडणेचा दिनांक व वेळ	:-	दिनांक ०३/११/२०२३ रोजी सकाळी १०.०० वा.ऑनलाईन उघडण्यात येतील. (शक्य झाल्यास)

खालील संकेतस्थळावर ई-निविदेची सर्व माहिती उपलब्ध आहे.

1. web - www.mahapwd.gov.in (फक्त निविदा सुचना)

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

(सदर निविदा सुचनेमध्ये काही बदल होत असल्यास वरील वेबसाईटवरती कळविण्यांत येईल.)

3. कार्यकारी अभियंता, सार्वजनिक बांधकाम विभाग, पुणे-१ मध्यवर्ती इमारत आवार, पुणे या कार्यालयातील सुचना फलक.

पुणे ४११ ००१.

GOVT. OF MAHARASHTRA
Public Works Division, Pune - 411 001

Phone No. 020/26122485 & 26122414 Fax No. 020/26122485

Web- www.mahapwd.gov.in & e-mail- pune.ee@mahapwd.gov.in

E-TENDER NOTICE NO. 61 FOR 2023-2024

The Executive Engineer, Public Works Division, Pune - 411 001 (Telephone No. 26122485/26122414) invites bids in **B-1 format** for following works from Registered contractor with Government of Maharashtra Public Work Department in appropriate class, as per G.R. No. Maharashtra Government, Public Work Department G.R. No. CAT/2017/Pra.Kra-08/Bldg-2, dt. 27/9/2018 and G.R. No. CAT/2017/Pra.Kra-08/Bldg-2, dt. 22/10/2018 and No. CAT/2017/Pra. Kra-8/Bldg-2 dt. 20/5/2021.

Bids document can be downloaded from website <https://mahatenders.gov.in>. Executive Engineer reserves all rights to accept or reject bids. Conditional bids will not be accepted.

Name of Work	:-	NIT Comprises following Works Estimate Cost.
Estimate Cost	:-	As per following Table
	1.	Rs. 62,17,978/-
	2.	Rs. 98,15,893/-
	3.	Rs. 64,56,284/-
	4.	Rs. 66,80,638/-
	5.	Rs. 64,01,779/-
	6.	Rs. 82,90,627/-
	7.	Rs. 79,38,406/-
	8.	Rs. 53,20,981/-
Period of Sale of Tender Document	:-	Dt. 25/10/2023 @ 10.00 hrs. to dt. 01/11/2023 @ 18.00 hrs.
Pre-bid Meeting	:-	---- NIL ----
Period of online Submission of Tender	:-	Dt. 25/10/2023 @ 10.00 hrs. to dt. 01/11/2023 @ 18.00 hrs.
Period of online Tender opening	:-	Dt. 03/11/2023 @ 10.00 hrs. (If Possible)

The detailed Tender Notice can be is available on

1. Web- www.mahapwd.gov.in (Only Tender Notice)
2. <https://mahatenders.gov.in>
(Any changes in the NIT will be Corrigendum's published on above website)
3. Notice Board @ o/o Executive Engineer, P. W. Division, Pune, Central Building, Pune - 411 001.

**(Dr. Surendrakumar R.
Katkar)**
Executive Engineer,
Public Work Division,
Pune 411001.

GOVT. OF MAHARASHTRA
Public Works Division, Pune - 411 001

Phone No. 020/26122485 & 26122414 Fax No. 020/26122485

Web- www.mahapwd.gov.in & e-mail- pune.ee@mahapwd.gov.in

E-TENDER NOTICE NO. 61 FOR 2023-2024

The Executive Engineer, Public Works Division, Pune - 411 001 (Telephone No. 26122485/26122414) invites bids in **B-1 format** for following works from Registered contractor with Government of Maharashtra Public Work Department in appropriate class, as per G.R. No. Maharashtra Government, Public Work Department G.R. No. CAT/2017/Pra.Kra-08/Bldg-2, dt. 27/9/2018 and G.R. No. CAT/2017/Pra.Kra-08/Bldg-2, dt. 22/10/2018 and No. CAT/2017/Pra. Kra-8/Bldg-2 dt. 20/5/2021.

Bids document can be downloaded from website <https://mahatenders.gov.in>. Executive Engineer reserves all rights to accept or reject bids. Conditional bids will not be accepted.

NAME OF WORK AND ESTIMATE COST LIST

Sr. No.	Name of Work	Estimated Cost Rs.	Ernest Money Deposit	Time limit for Completion	Cost of e-tender Form Fee	Class of Contractor
1.	C.R. to New Circuit House at Pune (Providing Room Boys Services, Telephone Operetor and Cleaning VIP Toilet and General Toilet Out Side Area for period November - 2023 to October 2024 for One year)	62,17,978/-	62,500/-	12 Months (Including Monsoon)	Rs.1,180/- (Including GST 18%)	Experienced Contractor / Registered Firms with Valid Shop Act Licence including House Keeping, Cleaning services, and Labour Licence
2.	C.R. to V.V.I.P Circuit House No.1 at B. 27 Queens Garden, Pune - 1 (OutSourcing for Providing Various Services for One year) (Period One Year 2023-24)	98,15,893/-	98,500/-	12 Months (Including Monsoon)	Rs.1,180/- (Including GST 18%)	Experienced Contractor / Registered Firms with Valid Shop Act Licence including House Keeping, Cleaning services, and Labour Licence
3.	C.R. to V.V.I.P Circuit House No.2 at Pune (Providing Room boys, cook Services and Cleaning Toilet and Out Side Area For Period One Year 2023-24)	64,56,284/-	65,000/-	12 Months (Including Monsoon)	Rs.1,180/- (Including GST 18%)	Experienced Contractor / Registered Firms with Valid Shop Act Licence including House Keeping, Cleaning services, and Labour Licence
4	C.R. to Old & New Central Building Pune (Cleaning the W.C. and Staircase Rooms etc) Period 2023-2024	66,80,638/-	67,000/-	12 Months (Including Monsoon)	Rs.1,180/- (Including GST 18%)	Experienced Contractor / Registered Firms with Valid Shop Act Licence including House Keeping, Cleaning services, and Labour Licence
5	Construction of New Underground Water Tank Behind Circle No.3 at Yerwada Central Prison, Yerwada, Pune - 06.	64,01,779/-	64,500/-	6 Months (Including Monsoon)	Rs.1,180/- (Including GST 18%)	Class IV-A and Above
6.	Construction of GYM Building at Road No. 7 Tingarenagar, Taluka Haveli Dist Pune	82,90,627/-	83,000/-	6 Months (Including Monsoon)	Rs.1,180/- (Including GST 18%)	Class IV-A and Above
7.	Construction of Multipurpose Hall at Corporation Area Near Shahu Udyan Rasta Peth Cantament Consituency Pune	79,38,406/-	79,500/-	6 Months (Including Monsoon)	Rs.1,180/- (Including GST 18%)	Class IV-A and Above
8.	Renovation of Babasaheb Ambedkar Regional Training Institute (BART) Campus 28 Queens Garden, camp Pune - 01.	53,20,981/-	53,500/-	6 Months (Including Monsoon)	Rs.1,180/- (Including GST 18%)	Class IV-A and Above

E-tender- Time Table

1.	Period of Sale of Tender Document	:-	Dt. 25/10/2023 @ 10.00 hrs. to dt. 01/11/2023 @ 18.00 hrs.
2.	Pre-bid Meeting	:-	---- NIL ----
3.	Period of online Submission of Tender	:-	Dt. 25/10/2023 @ 10.00 hrs. to dt. 01/11/2023 @ 18.00 hrs.
4.	Period of online Tender opening	:-	Dt. 03/11/2023 @ 10.00 hrs. (If Possible) (In the office of Executive Engineer, P. W. Division, Pune.)

- Note :-
1. All eligible/interested contractors are downloading and mandated to get enrolled on e-tendering portal" <https://mahatenders.gov.in>.
 2. **For online Payment related issues, Kindly send email with Bank Reference Number to this email ID merchant@sbi.co.in. You may also contact 022-27560149 for clarifications.**
 3. Other term and condition Displayed in online e-tender forms. Right to reject any or all online bid of work without assigning any reasons thereof is reserved.
 4. Above only Tender Notice is displayed on P.W.D. website "www.mahapwd.gov.in"
 5. Online Blank Tender Downloading fee and Earnest money shall be paid via online using NEFT/RTGS or payment gateway mode.

(Dr. Surendrakumar R. Katkar)
Executive Engineer,
Public Work Division,
Pune 411001.

महाराष्ट्र शासन
सार्वजनिक बांधकाम विभाग, पुणे- ४११ ००१
दुरध्वनी क्रमांक ०२०/२६१२२४८५ व २६१२२४१४ फॅक्स क्र. ०२०/२६१२२४८५
Web- www.mahapwd.gov.in & e-mail- pune.ee@mahapwd.gov.in

ई-निविदा सूचना क्रमांक ६१ सन २०२३-२०२४

शुध्दीपत्रक क्र. १

कृपया या कार्यालयाची ई-निविदा सूचना क्रमांक ६१ सन २०२३-२०२४ वृत्तपत्रातून प्रसिध्द झालेली आहे.तरी काही अपरिहार्य तांत्रिक कारणांमुळे कामांसाठी निविदा सुचनेच्या वेळापत्रकामध्ये खालीलप्रमाणे बदल वाचावा, ही विनंती.

Last Date of Sale of Tender Document	:-	Dt. 06.11.2023 @ 18.00 hrs.
Last Date of online Submission of Tender	:-	Dt. 06.11.2023 @ 18.00 hrs.
Period of online Tender opening	:-	Dt. 09.11.2023 @ 10.00 hrs. (If Possible)

(डॉ. सुरेंद्रकुमार र. काटकर)
कार्यकारी अभियंता,
सार्वजनिक बांधकाम विभाग,
पुणे-४११००१.

महाराष्ट्र शासन
सार्वजनिक बांधकाम विभाग, पुणे- ४११ ००१
दुरध्वनी क्रमांक ०२०/२६१२२४८५ व २६१२२४१४ फॅक्स क्र. ०२०/२६१२२४८५
Web- www.mahapwd.gov.in & e-mail- pune.ee@mahapwd.gov.in

ई-निविदा सूचना क्रमांक ६१ सन २०२३-२०२४

शुध्दीपत्रक क्र. २

कृपया या कार्यालयाची ई-निविदा सूचना क्रमांक ६१ सन २०२३-२०२४ वृत्तपत्रातून प्रसिध्द झालेली आहे.तरी काही अपरिहार्य तांत्रिक कारणांमुळे कामांसाठी निविदा सुचनेच्या वेळापत्रकामध्ये खालीलप्रमाणे बदल वाचावा, ही विनंती.

Last Date of Sale of Tender Document	:-	Dt. 08.11.2023 @ 18.00 hrs.
Last Date of online Submission of Tender	:-	Dt. 08.11.2023 @ 18.00 hrs.
Period of online Tender opening	:-	Dt. 13.11.2023 @ 10.00 hrs. (If Possible)

(डॉ. सुरेंद्रकुमार र. काटकर)
कार्यकारी अभियंता,
सार्वजनिक बांधकाम विभाग,
पुणे-४११००१.

DISCLAIMER

1. Detailed Time Table for the various activities to be performed in e-tendering process by the Tenderer for quoting their offer is given in this Tender Document under "Tender Schedule". Contractor should carefully note down the cut-off dates for the carrying out each e-tendering process / activity.
2. Every effort is being made to keep the Website upto date and running smoothly 24 x 7 by the Government and the Service Provider. However, Government takes no responsibility, and will not be liable for, the website being temporarily unavailable due to any technical issue at any point of time.
3. In that event Public Works Department will not be liable or responsible for any damages or expenses arising from any difficulty, error, imperfection or inaccuracy with this Website. It includes all associated services, or due to such unavailability of the Website or any part thereof or any contents or any associated services.
4. Tenderers must follow the time table of e-tendering process and get their activities of e-tendering processes done **well in advance** so as to avoid any inconvenience due to unforeseen technical problem if any.
5. Public Works Department will not be responsible for any incomplete activity of e-tendering process of the tenderer due to technical error/ failure of website and it cannot be challenged by way of appeal, arbitration and in the Court of Law.
Contractors must get done all the e-tendering activities well in advance.

**GOVERNMENT OF MAHARASHTRA
PUBLIC WORKS DEPARTMENT**

Original Agreement No. : **B-1/**

Name of Work : **Renovation of Babasaheb Ambedkar
Regional Training Institute (BARTI)
campus, 28 Queens Garden, Camp, Pune-1.**

Name of Contractor :

Number & Date of Work Order :

Amount put to Tender : **Rs. 53,20,981/-**

Percentage quotes :

Amount of Contract :

Date of Commencement :

Time stipulated for completion of work : **6 (Six) Months including monsoon.**

Date of completion as per
Agreement :

Actual date of completion :

Reference to sanction of Tender.:

Contractor

Executive Engineer

DETAILS OF WORK

NAME OF WORK:- Renovation of Babasaheb Ambedkar Regional Training Institute (BARTI) campus, 28 Queens Garden, Camp, Pune-1.

Estimated cost of work	Total Cost	Rs. 53,20,981=00
Earnest Money :	Rs. 53,500/- (Rs. Fifty Three thousand Five hundred Only).	

The EMD applicable amount shall be paid via online payment gateway mode only.

Total Security Deposit 2 % (two Percent).

(i) Initial Security Deposit (1 %) :Rs. 53,500/-

(ii) and Further Security Deposit to be deducted from bills. (1 %) : Rs. 53,500/-

Total Security Deposit **:Rs. 1,07,000/-**

Registration Class of Contractor : Class IV A and above

Validity Period : 60 days from the date of opening.

Time limit for completion of work : 6 (Six) Months including monsoon.

Cost of Blank Tender Form : 1,180/-
(Including GST 18%)
(Non- Refundable)

TENDER SCHEDULE

1.	Period of Sale of Tender Document	Dt. 25/10/2023 @ 10.00 hrs. to dt. 01/11/2023 @ 18.00 hrs.
2.	Pre-bid Meeting	---- NIL ----
3.	Period of online Submission of Tender	Dt. 25/10/2023 @ 10.00 hrs. to dt. 01/11/2023 @ 18.00 hrs.
	Contractor shall submit one Hard copy of bid (Sealed Technical and Commercial Envelope) within 72 hrs. after Bid Lock Process on e-procurement.	
4.	Period of online Tender opening	Dt. 03/11/2023 @ 10.00 hrs. (If Possible) In the office of Executive Engineer, Public Works Division, Pune-1.

Contractor

Executive Engineer

TO BE FILLED BY THE CONTRACTOR

I/We have quoted my/our offer in percentage rate in words as well as figures.
I/We further undertake to enter into contract in regular “B-1” Form of Public Works
Department.

Name and signature of Contractor :

Power of Attorney holder :

With complete Address :

Contractor

Executive Engineer

GOVERNMENT OF MAHARSHTRA PUBLIC WORKS DEPARTMENT INVITATION FOR TENDERS

DETAILED TENDER NOTICE TO CONTRACTOR

NAME OF WORK:- Renovation of Babasaheb Ambedkar Regional Training Institute (BARTI) campus, 28 Queens Garden, Camp, Pune-1.

- 1.0 Online percentage rate tenders in 'B-1' Form are invited by the Executive Engineer, Pune Public Works Division, Pune on behalf of Pube Work Department Government of Maharashtra the following work from Contractors registered in appropriate class of the Public Works Department of Maharashtra State ~~OR Unregistered Contractor, who fullfilling the qualifying criteria. in this document~~ for construction of work detailed in the Table. The name of work, estimated cost, earnest money, security deposit, time limit for completion etc. are as under. The tender forms can be downloaded from Govt. of Maharashtra, website <http://mahatenders.gov.in>.

Sr. No.	Nameofwork	Estimated Cost (Rupees)	Earnest Money (Rupees)	Security Deposit (Rupees)	Class of Contractor	Time limit in Tender (Calendar months)
1.	Renovation of Babasaheb Ambedkar Regional Training Institute (BARTI) campus, 28 Queens Garden, Camp, Pune-1.	53,20,981/-	53,500/-	Initial Rs. 53,500/- Through Bills Rs. 53,500/- Total Rs. 1,07,000/-	Class IV A and above (Civil)	6 (Six) Months including monsoon.

- 1.1 Tender form, conditions of contract, specifications and contract drawings can be downloaded from the e-tendering portal <https://mahatenders.gov.in> to the registered Contractors of appropriate category i.e. **Class IV A and above (Civil)** after entering the details payment of **Rs. 1,180/- (Including GST 18%) (Rupees One thousand One hundred Eighty only)** should be made online using payment gateway. The fee of tender document will be non refundable. Further information regarding the work can be obtained from the above office.
- 1.2 Tender form fee and E.M.D. additional Earnest money /Deposit (If required) to be paid via online payment gateway mode only. Affidavit on Rs. 100 Stamp Paper in prescribed form given in Annexure 1 Sworn before Executive Magistrate/ Notary Shall be uploaded online.
- 1.3 The offer of the Contractor shall remain valid for acceptance for a minimum period of **60** days from the date fixed for opening of Envelope No. 2 (Main Tender) and thereafter until it is withdrawn by the Contractor by notice in writing duly addressed to the authority opening the tender and sent by Registered Post Acknowledgement Due.

1.4 The tender notice shall form a part of the contract agreement.

The tenders are invited on the Departmental design only

1.5 The tenderer if firm or company shall in their forwarding letter mention the names of all the partners of the firm or the company (as the case may be) and the name of the partner who holds the power attorney if any, authorising him to conduct transaction on behalf of the Firm or Company.

1.6 Right is reserved to revise or amend the contract documents fully or part thereof prior to the date notified for the receipt of tender. Such deviations/ amendments if any shall be communicated in the form of corrigendum or by a letter as may be considered suitable.

1.7 The tenderer shall enter his percentage rates in words and figures "**below/ above**". In case there is difference between percentage written in figures and words, the lower offer will be taken as final.

1.8 No pages should be removed from, added in or replaced in the Tender.

1.9 Right is reserved to reject any or all tenders without assigning any reason thereof.

1.10 Tenders which do not fulfill all or any conditions or are incomplete in any respect are liable to summary rejection.

1.11 The Tenderer may, in the forwarding letter, mention any points he may wish to make clear but right is reserved to reject the same of the whole of the tenders if the same become conditional tender thereby.

1.12 Goods and Service Tax (GST)

1.12.1 As per Section 51 of Maharashtra Goods and Service Act 2017, GST will be levied at source on all contracts given from 01/07/2017. ***GST at 18 % will be paid extra on work Estimated cost.***

1.12.2 TDS will be deducted from Running Account Bills as per the notified rates and from the notified dates by the Government. Bidders are required to submit Registration Number as supplier under GST.

1.12.3 The rates quoted by the Contractor shall be deemed to be inclusive of all taxes other than Goods & Service Tax 2017 that the contractor will have to pay for performance of this contract. The rates quoted by the contractor shall be exclusive of Goods & Service Tax 2017 which shall be paid extra by the employer at prevailing rates. The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.

1.13 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. (शासन निर्णय क्र. निविद-२०१६ / प्र.क्र.२० / शिकाना / इमा-२ मंत्रालय, नागपूर दि. ०९/१२/२०१६)

GENERAL

a) Time limit : The work is to be completed within time limit as specified in the Notice inviting tender which shall be reckoned from the date of written order of commencing the work and shall be inclusive of monsoon period.

b) Tender Rate : No alteration in the form of tender and the schedule of tender and no additions in the scope or special stipulation will be permitted. Rates quoted for the tender shall be taken as applicable to all leads and lifts.

c) Tender Units : The tenderers should particularly note the unit mentioned in the Schedule "B" on which the rates are based . No change in the units shall be allowed. In the case of difference between rates written in figures and words, the correct rate will be the one, which is lower of the two.

d) The Income Tax @ 2% or percentage in force from time to time or at the rate as intimated by the competent Income Tax authority shall be deducted from bill amount whether measured bill, advance payment or secured advance.

e) It is binding on the Contractor to execute the agreement on non Judicial Stamp Paper purchased by him amounting to value applicable to tender cost. It is mandatory to pay appropriate of stamp duty to revenue Authority by contractor after acceptance of tender as per Government of Maharashtra, Revenue and Forest Department Circular No. मुद्रांक-२०२०/अनौ. क्र. -०१-२०१६/प्र. क्र. २१८/म-१(धोरण), मंत्रालय, मुंबई ३२ दिनांक १८ मार्च २०२१.

f) The Document submitted in Envelope No. 1 if found fraudulent and duplicate during process of tender, acceptance of tender and further during payment of bills, or any further time, the Contractor will be solely responsible for the same and necessary penal action will be initiated against the Contractor. In such case officers of P.W. Department will not be held responsible. (As per G.R. CAT/ 2018/ Pra.Kra.127/Bldg-2 dt. 28/11/2018)

2.0 EARNEST MONEY :

2.1 Earnest money of Rs. 53,500/- in words (Rupees Fifty Three thousand Five hundred Only) shall be paid via online using payment gateway mode. The said amount of earnest money shall not carry any interest whatever.

2.2 Tender of those who do not deposit earnest money in one of the above acceptable forms shall be summarily rejected. Earnest money in any other form of cash or cheque will not be accepted.

2.3 The amount of earnest money will be refunded to the unsuccessful tenderer on deciding about the acceptance or otherwise of the tender or on expiry of the validity period whichever is earlier.

In case of the successful tenderer, it will be refunded on his paying the initial security deposit and completing the tender documents or will be transferred towards a part of security deposit to be paid after awarding of the work. If successful tenderer does not pay the security deposit in the prescribed time limit and complete the agreement bond, his earnest money deposit will be forfeited to the Government.

2.4 Earnest money of the un-successful tenderers will be refunded on their application only after an intimation of rejection of their tender is sent to them or on the expiry of the validity period whichever is earlier.

Contractor

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3.0 E-TENDERING PROCEDURE

3.1 PRELIMINARIES

Bidder should have valid class II / III digital signature certificates (DSC) obtained from any Certifying Authority. In case of requirements of DSC, interested Bidders should go to <http://mahatenders.gov.in>, information about DSC and follow the procedure mentioned in the document 'Procedure for Application of Digital Signature Certificate'. Bidder should do Online Enrolment in this Portal using the option 'Click Here to Enroll' available in the Home Page. Then the Digital Signature enrollment has to be done with the e-token, after logging into the portal.

The e-token may be obtained from one of the authorized Certifying Authorities such as e-Mudhra CA / GNFC IDRBT MTNL Trustline / SafeScript / TCS.

The e-token that is registered should be used by the bidder and should not be misused by others.
DSC once mapped to an account cannot be remapped to any other account. It can only be inactivated. Bidder then can log into the portal giving user Id / password chosen during enrollment.

Tender Forms can be downloaded from e-Tendering Portal of Public Works Department, Government of Maharashtra <http://www.mahatenders.gov.in> after entering the details of payment toward Tender Fees as per the Tender Schedule / Tender Notice.

3.2 ~~Pre-Tender Conference :~~

~~3.2.1 Contractor may raise any queries in the office of the Chief Engineer, Public Works Circle, Central Building, Pune - on or before / /2023 upto 12.00 Hrs. Pre-tender conference is open to all prospective tenderers who have downloaded tender form before the date of Pre-tender Conference, wherein prospective Tenderers will have an opportunity to obtain clarifications regarding the work and the Tender Conditions. The prospective tenderers may also post their queries only using post query option for the tender.~~

~~3.2.2 The prospective tenderers are free to ask for any additional information or clarification either in writing or orally concerning the work, and the reply to the same shall be uploaded on [https://: mahatenders.gov.in](https://mahatenders.gov.in) and this clarification referred to as Common Set of Conditions/Deviations (C.S.D.), shall form part of tender documents and which will also be common and applicable to all tenderers. The point/points if any raised in writing and/or verbally/ online by the contractor in pretender conference and not finding place in C.S.D. issued after the pre- bid conference, is/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~~

~~3.2.3 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 shall be summarily REJECTED.~~

~~3.2.4 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 tenderer should clearly mention in forwarding letter that his offer (in envelope No. 1 & 2) does not contain any conditions, deviations from terms and conditions stipulated in the tender.~~

3.3 BID PREPARATION

After downloading / getting the tender schedules, the Bidder should go through them carefully and prepare for the documents as per the requirements mentioned tender document. Refer the Check List. In case of shortfalls he will not be eligible.

The bidder reads the terms and conditions and accepts the same to proceed further to submit the bids.

The bidder shall submit the bid documents under online mode only, through this portal. Offline documents will not accepted.

The Bidders are advised to update the documents frequently required for bidding in advance such as Licenses, Certificates, Registrations, Work Order details, Work Completion Certificates, IT Returns, Partnership Documents, Authority given on behalf of bidder, Statements in prescribed format, Guarantee, Undertakings etc. well in advance, under 'My Documents' option and these can be selected as per tender requirements and then attached along with bid documents during bid submission. This will ensure only required upload of bid documents and save time.

The documents should be in PDF/XLS/RAR/DWF formats as required. If there is more than one document, they can be clubbed together.

There is no limit on the size of the file to be uploaded at the server end. However, the upload is decided on the Memory available at the Client System as well as the Network Bandwidth available at the client side at that point of time. In order to reduce the file size, bidders are suggested to scan the documents in 75-100 DPI so that the clarity is maintained and also the size of file also gets reduced. This will help in quick uploading even at very low bandwidth speeds.

3.4 BID SUBMISSION

EMD shall be paid in online mode. Refer online payment.

Bidder shall verify checklist for documents to be submitted in Technical Bid (Envelop No.1)

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Bidder shall fill details of Financial Bid. The documents submitted by the bidder shall be digitally signed using the e-token of the bidder and then he shall upload digitally signed tender documents in Envelope No. II. Take note of Additional (Performance) Security Deposit conditions.

It is important to note that, the bidder has to click on the 'Freeze Bid' button, to ensure that he/she completes the Bid Submission Process. Bids, which are not Frozen, are considered as Incomplete/Invalid bids and are not considered for evaluation purposes.

At the time of freezing the bid, the e-Procurement system will give a successful bid updation message after uploading all the bid documents submitted and then a bid summary will be shown with the bid no, date & time of submission of the bid with all other relevant details.

Successful bid submission from the system means, the bids as uploaded by the bidder is received and stored in the system. System does not certify for its correctness.

After the bid submission, the bid summary has to be printed and kept as an acknowledgement as a token of the submission of the bid. The bid summary will act as a proof of bid submission for a tender floated and will also act as an entry point to participate in the bid opening event.

All the data being entered by the bidders would be encrypted at the client end the software uses PKI encryption techniques to ensure the secrecy of the data. The data entered will not be viewable by unauthorized persons during bid submission and not viewable by any one until the time of bid opening. Overall, the submitted bid documents become readable only after the tender opening by the authorized individual.

During transmission of bid document, the confidentiality of the bids is maintained since the data is transferred over secured Socket Layer (SSL) with 256bit encryption technology. Data encryption of sensitive fields is also done.

3.5 BIDDERS TO TAKE NOTE

The bidder has to submit the tender document(s) online / e-Procurement system well in advance before the prescribed bid submission end date and time as per server system clock to avoid any delay or problem during the bid submission process.

Realisation of NEFT/RTGS payment normally takes 2 to 24 hours, so it is advised to make sure that NEFT/RTGS payment activity should be completed well before time.

The time that is displayed from the server clock at the top of the Tender Portal, will be valid for all actions of requesting bid submission, bid opening etc., in the e-Procurement portal. The Time followed in this portal is as per Indian Standard Time

(IST), which is GMT+5:30. The bidders should adhere to this time during bid submission.

The Tender Inviting Authority (TIA) shall not be responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders due to contemporary / local issues.

Bidder shall refer conditions of 'Additional (Performance) Security Deposit', which are to be followed within 5 days of last date of online bid preparation and submission.

If the bidding documents shall not be submitted successfully completely online due to technical problems of computer, internet etc. then for such cases bidder will be responsible.

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. For such things bidders are responsible.

The tender submitted by the Bidder shall be based on clarification, additional facility issued (if any) by the Department, and this tender shall be unconditional.

All Bidders are cautioned that the tenders containing any deviation, from the contractual terms and conditions, specifications or other requirements and conditional tenders; will be rejected as non-responsive.

The BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for that tender. Bidders are allowed to enter the Bidder Name and Values only only in editable cells.

If there are any clarifications, this may be obtained online through the e-Procurement Portal, or through the contact details given in the tender document. Bidder should take into account of the corrigendum published before submitting the bids online.

3.6 OPENING OF TENDERS:

On the date specified in the Tender Schedule, following procedure will be adopted for opening of the Tender.

Technical Bid (Envelop No.1)

First Envelope No.1 of the tender will be opened online to verify its contents as per requirements. If the various documents contained in this envelope do not meet the requirements of the Department, a note will be recorded accordingly by the tender opening authority and the said Bidder's Envelope No. 2 will not be considered for

further action and the same will be recorded. The decision of the tender opening authority in this regard will be final and binding on the contractors.

Financial Bid (Envelop No.2)

This envelope shall be opened online after opening and scrutinizing of Envelope No. 1, only if contents of Envelope No. 1 are found to be acceptable to the Department. The tendered rate in Bill of Quantities shall then be read out to bidders who remain present at the time of opening of Envelope No. 2 (Financial Bid)

3.7 TENDER ACCEPTANCE:

Acceptance of tender will rest with the Executive Engineer, P.W. Division, Pune who reserves the right to reject any or all tenders without assigning any reason therefore. In case of failure on the part of Bidder to sign the agreement within the stipulated time, the earnest money paid by him shall stand forfeited to the Government and the offer of the Bidder shall be considered as withdrawn by him.

3.8 GENERAL POINTS TO NOTE:

The Bidder may, in the forwarding letter, mention any points are may wish to make clear but the right is reserved to reject the same or the whole of the tender if the same becomes conditional tender thereby.

The tenders who do not fulfill the condition of the notification and the general rules and directions for the guidance of contractor in the agreement form or are incomplete in any respect are likely to be rejected without assigning any reason therefore.

The data whatsoever supplied by the Department along with the tender documents are meant to serve only as guide for the Bidders while tendering and the Department accepts no responsibility whatsoever either for the accuracy of data or for their comprehensiveness.

The Bidders shall be presumed to have carefully examined the drawings, conditions and specifications of the work and have fully acquainted themselves with all details of the site, the conditions of rock and its joints, pattern, river, weather characteristics, labour conditions material availability and in general with all the necessary information and data pertaining to the work, prior to tendering for the work.

The quarries for extraction of metal, murum etc. provided in the sanctioned estimate are as per survey conducted by the Department. The Contractor should however examine these quarries and see whether full quantity of materials required for execution of the work strictly as per specification are available in these source before quoting the rates. In case the materials are not available due to reasons whatsoever, the contractor will have to bring the materials from any other source with no extra cost to Government.

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The rates quoted, should therefore be for all leads and lifts from wherever the materials are brought at site of work and inclusive of royalty to be paid to the Revenue Department by the Contractor.

Power of Attorney:

If the Bidders are a firm or company, they should in their forwarding letter mention the names of all the partners together with the name of the person who holds the power of Attorney, authorizing him to conduct all transactions on behalf of the body, along with the online submitted tender / Bid.

Time Limit : *The work is to be completed within time limit as specified in the N.I.T., which shall be reckoned from the date of written order for commencing the work and shall be inclusive of monsoon period.*

Tender Rates : *No alteration in the form of tender, schedule of tender and the scope of special stipulations will be permitted. Rates quoted for the tender shall be taken as applicable for all leads and lifts.*

Tender Units : *The Bidders should particularly note the units mentioned in the Schedule 'B' on which the rates are based. No change in the units shall be allowed. 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.*

Validity Period : *The offer shall remain open for acceptance for minimum period of 60 days from the Date of opening of Envelope No. 2 (Financial Bid) and thereafter until it is withdrawn by the contractor by notice in writing duly addressed to the authority opening the tender and sent by Registered Post Acknowledgment due.*

3.9 ONLINE PAYMENT (Tender Fee & EMD)

Bidders who are using SB MOPS other banks Internet Banking are advised to make online payment four days in advance. (Details on website www.mahatenders.gov.in) Online Payment Guide For SBI Corporate Internet Banking Account Holder EMD should be paid through online payment mode only

Earnest money in the form of Demand Draft, Cheque or cash will not be accepted.

The earnest money will be refunded in due course in case of Bidders whose tenders are not accepted.

In case of successful Bidder, Earnest money will be refunded to him after recovering initial security deposit and completion of contract documents.

The amount of Earnest Money will be forfeited to Government in case the successful contractor does not pay the amount of Initial Security Deposit within specified time limit.

Earnest Money Exemption Certificate shall not be accepted in lieu of Earnest Money indicated elsewhere in the N.I.T.

3.10 'Bidder Manual Kit' is available on website www.mahatenders.gov.in

For more details Bidders shall refer section 'Guidelines to Bidders on the operations of Electronic Tendering System of Public Works Department.

For online Payment related issues, Kindly send email with Bank Reference Number to this email ID merchant@sbi.co.in. You may also contact 022-27560149 for clarifications.

Bidders who are using SB MOPS other banks Internet Banking are requested to make online payment four days in advance.

Change of Help Desk Numbers with effect from 01-Mar-2016 on-wards. All Users are hereby informed that 24 x 7 Helpdesk can be contacted using the New No.0120- 4200462, 0120-4001002 , 91-8826246593.

The Queries will be answered in English and Hindi only. The help desk can also be reached by mail support-eproc@gov.in

3.11 ONLINE ENVELOPE NO. 1 : (Documents)

The bidder must purchase the bidding documents via online mode by paying the cost of Tender.

The First Online Envelope No. 1 shall contain the following documents:

(All copies thereof shall be scanned copy of OR Attested documents)

- 3.11.1** Forwarding Letter.
- 3.11.2** Earnest money of **Rs. 53,500/-** in words **(Rupees Fifty Three thousand Five hundred Only)** shall be paid via online using payment gateway mode.
 - (i) After Tender opening, the EMD of the unsuccessful bidder will be returned to account provided by the bidder during the bid preparation as given in challan under Beneficiary Account Number.
- 3.11.3** Scanned copy of valid certificate as a Registered Contractor with the Government of Maharashtra in Public Works Department in appropriate class. **(Class IV A and above)**
- 3.11.3** Scanned copy of Tenderer's Pan Card Number.
- 3.11.4** Scanned copy of valid Goods & Service Tax (GST) Registration Certificate from Maharashtra State.
- 3.11.5** Scanned copy of original Registered Partnership Deed, Memorandum of Articles of Association, if the tenderer is a Partnership Firm, Joint Stock Company and Power of Attorney and Firm Registration Certificate if any.
- 3.11.6** Scanned copy of Affidavit in respect of genuineness of documents contained in the Envelope No. 1 in the prescribed proforma provided with Tender Set on Stamp Paper of Rs. 100/- (Proforma of Affidavit is attached with Tender).
 - (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.
 - (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.
 - (iii) **PWD Staff / 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.**

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- 3.11.7** Scanned copy of declaration of Contractor in prescribed proforma provided with Tender Set.
- 3.11.8** Details of work done Certificate during last FIVE years with the value of work unfinished. **(Certificate issued by the Head of Officer not below the rank of Executive Engineer should be provided)** (Information to be given in Performa of Form No. IV)
- 3.11.9** Details of list of works in hand and works tendered for. (Information to be given in Performa of Form No. I) **(Contractor will be solely responsible and also liable for action under Indian Penal Code for submission of Work in hand false information)**
- 3.11.10** **Scanned copy** of Income Tax Return for the last FIVE financial years with Annual Financial Report with Profit & Loss Statement. **OR** Scanned Copy last five years of annual financial turnover Certificate certified by the Chartered Accountant should be produced.
- 3.11.11** The tenderer will be qualified only if their available bid capacity is more than the total estimated value of works for which he has offered his bid. The available bid capacity will be calculated as under. **(As per G.R. CAT-2019/Pra.Kra.120/Bldg-2 dt. 17/9/2019 and CAT-2022/ Pra.Kra.50 /Bldg-2 dt. 11/5/2022)**

Assessed Available Bid Capacity = (A*N*2.00) - B

A = Maximum value of Annual Financial turnover in any one year during the last SEVEN years (updated to 2023-2024 level) as of Previous years shall be given weightage 10 % per year.

N = Number of years prescribed for completion of works for which bid are invited.

B = Value at 2023-2024 price level, of existing commitments and on going work to be completed during the next 6 months.

Note: The statement showing the value of existing commitments and ongoing works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Engineer-in-charge, not below the rank of an Executive Engineer.

Note :- **Submission of following documents optional.**

- 3.11.12** Details of Technical Personnel list of the tenderer. (Information to be given in Performa of Form No. V)
- 3.11.13** Details of Technical Personnel list of the tenderer. (Information to be given in Performa).
- 3.11.14** Scanned copy original **Professional Tax Registration Certificate** in form PTR and PTE.
- 3.11.15** Scanned copy **Professional Tax Clearance certificate.**

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3.12 ONLINE ENVELOPE NO. 2 TENDER (FINANCIAL BID) :

The Tenderer should quote his offer duly signed in terms of percentage of estimated rates at the appropriate place of tender documents to be submitted only in Envelope No.2 He should not quote his offer any where directly or indirectly in Envelope No. 1. The contractor shall quote for the work as per details given in the main tender and also based on the detailed set of conditions issued / Additional stipulations made by the Department ~~as informed to him by a letter from Chief Engineer / Superintending Engineer after Pre Tender Conference.~~ His tender shall be unconditional.

3.13 SUBMISSION OF TENDER :

Refer to Section 'Guidelines to Bidders on the operations of Electronic Tendering System of Public Works Department' for **Renovation of Babasaheb Ambedkar Regional Training Institute (BARTI) campus, 28 Queens Garden, Camp, Pune-1. "**

3.14 OPENING OF TENDER :

On the date specified in the Tender Schedule following procedure will be adopted.

(A) ENVELOPE No.1 : (Documents)

First of all Envelope No.1 of the tender will be opened online to verify its contents as per requirements. If the various documents contained in this envelope do not meet the requirements of the Department, a note will be recorded accordingly by the tender opening authority and the said tenderers Envelope No. 2 will not be considered for further action and the same will be recorded.

The decision of the tender opening authority in this regard will be final and binding on the contractors.

(B) ENVELOPE No.2 : (Financial Bid)

This envelope shall be opened online immediately after opening of Envelope No.1, only if contents of Envelope No.1 are found to be acceptable to the Department. The tendered rates in Schedule 'B' or percentage **above/below** the estimated rates shall then be read out. in the presence of bidders who remain present at the time of opening of Envelope No.2.

(C) Submission of Hard Cord copy of online submitted copy.

Tenderer must submit the hard cord copy of online submitted copy in concerned Executive Engineer's office (as specified below)

- a) Document submitted online in Envelope No. 1 and 2 are put in separate Envelop as Envelope No. 1 (Technical Bid) and Envelope No. 2 (Financial Bid) respectively and sealed properly.
- b) 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.
- c) The above common cover containing Envelope No. 1 and 1 must be submit in the office of Executive Engineer, Public Work Division, Central Building Premise Pune within the time and date specified in tender schedule flashed on web site portal on working days (during office hrs.) only.
- d) No delay on account of any cause will be entertained for the receipt said Hard copy
- e) If Tenderer fails or neglect to submit hard copy his online offer (Tender) will be not be considered for further tendering procedure.

Hard copy can be submitted to any of the locations (office) specified herein.

- a) **Executive Engineer, Public Works Division, Pune, Central Building Pune 411001.
Phone No. 020-26122485.**
- b) **Executive Engineer, Public Works Project Division, Pune, Off. Hotel Sagar Plaza, Camp, Pune 411001.
Phone No. 020-226332049.**
- c) **Superintending Engineer, Public Works Circle, Central Building, Pune 411001.
Phone No. 020-26124278.**

4.0 EARNEST MONEY :

- a) Earnest money shall be paid via online using payment gateway mode. After tender opening, the EMD of the unsuccessful bidder will be returned to account provided by the bidder during the bid preparation as given in Challan under Beneficiary Account Number.
- b) The amount will be refunded to the unsuccessful renderers on deciding about the acceptance or otherwise of the tender. In case of successful tendereer, it will be refunded on his paying initial Security Deposit and completing the tender documents in Form B-1.

5.0 **SECURITY DEPOSIT :**

5.1 The successful tenderer shall have to pay 50 % initial security deposit in cash or in shape of National Saving Certificate or Fixed Deposit Receipt or Bank Guarantee pledged in favour of **Executive Engineer, Public Works Division, Pune** or Bank Guarantees from a Nationalised / Scheduled Banks in the enclosed form and complete the contract documents failing which his earnest money will be forfeited to Government. The balance 50 % security deposit will be recovered from the R.A. bill at **2 %** of the bill amount. Amount of total Security Deposit to be paid shall be **2 %** of the cost of accepted tender or estimated cost put to tender whichever is higher. **(In form of Fixed deposit receipt / Bank Guarantee of any Nationalized or Scheduled Bank)**

Initial Security Deposit may be in Bank Guarantee Form in format 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.

5.2 All compensation or other sums payable by the Contractor under the terms of this contract or any other contract or on any account may be deducted from his Security Deposit or from any sums which may be due to him or may become due to him by Government on any account and in the event of the security being reduced by reason of any such above noted deductions, the Contractor shall within 10 days of receipt of notice of demand from the Engineer-in-charge make good the deficit.

5.3 There shall be no liability on the Department to pay any interest on the Security Deposited by or recovered from the Contractor.

5.4 The Security Deposit shall be refunded after completion of defect liability period prescribed for this contract in accordance with the provisions in Clause 1 and 20 of the contract.

5.5 *The Security Deposit shall be valid beyond 28 days from the date of expiry of the Defect Liability Period.*

6.0 **Additional Security Deposit (Performance Security)**

If the tendered is found lowest with the offer below the estimated cost put to tender, in that case the Lowest tenderer (L-1) shall have to submit Additional performance Security in the form of Demand Draft/ Fixed deposit receipt / Bank Guarantee of any Nationalized or Scheduled Bank in favor of the Executive Engineer, Public Works Division, Pune Payable at Pune with in 8 (eight) days, from the date of opening of Financial Bid i.e. 2 nd envelope as specified below. (No extension of Time Limit shall be granted at any Level for Submitting the said Performance Security after 8 (eight) days)

- The amount of the Additional Performance Security shall be calculated by the tenderer in accordance with the following manner.
- If the tenderer has quoted below the estimated rates, the Additional Performance Security shall be paid additionally as mentioned below.

for offer upto 10% below the estimated cost put to tender.	1% of the estimated cost put to tender
--	--

for offer more than 10 % below upto 15 % below the estimated cost put to tender	1% of the estimated cost put to tender plus an amount equal to the percentage by which the offer is below 10% of the estimated cost put to tender. <i>[e.g.1- if the offer is 14.00% below, the Performance Security will be 1% + (14.50-10.00=4.5) 4.5= 5.5 % of the estimated cost put to tender.]</i> <i>[e.g. if the offer is 15.00% below, the Performance Security will be 1% + (15.00-10.00=5) 5= 6.00 % of the estimated cost put to tender.]</i>
for offer more than 15 % below the estimated cost put to tender	2 % of the estimated cost put to tender plus an amount equal for to the percentage by which the offer is below 15 % of the estimated cost put to tender. <i>e.g. 1- if the offer is 16 % below, the performance security will be (16-15=1x2=2) 6+2=8 % of the estimated cost put to tender.</i> <i>e.g. 2- if the offer is 19 % below, the performance security will be (19-15=4x2=8) 6+8=14 % of the estimated cost put to tender.</i> <i>e.g. 3- if the offer is 25 % below, the performance security will be (25-15=10x2=20) 6+20= 26 % of the estimated cost put to tender.</i> <i>e.g. 4- if the offer is 26.25 % below, the performance security will be (26.25-15=11.25x2=22.50) = 6+22.50= 28.50 % of the estimated cost put to tender.</i>

- c. The Bank guarantee shall be valid beyond 28 days from the date of expiry of the Defect Liability Period.
- d. Refund of Additional Performance Security.
The additional Performance Security shall be returned immediately upon satisfactory completion of work; the certificate of which shall be issued by the Executive Engineer before releasing the additional performance security.
- e. *In case of the lowest successful Bidder (L-1) does not pay the Additional Security Deposit (Performance Security) within the stipulated time, (within eight days from the date of opening of Financial Bid) their Earnest Money Deposit will be forfeited.*
- f. In case of lowest successful Bidder (L-1) whose offer found more than 1 % below fails or neglects to deposit the Additional Performance Security with in 8 (eight) specified days, than 2nd lowest tenderer will be treated lowest and will be negotiated suitably for awarding of the work.
- g. The said amount of Additional Performance Security shall not carry any interest whatsoever.
- h. Vide G.R. no. Com-2020/14/संगणक, दिनांक 14/1/2021, Payment of Security Deposit by Bank Guarantee and online Bank Guarantee verification : If the contractor wishes to deposit security deposit by Bank Guarantee after tender approval, then it is mandatory for contractor to verify the Bank Guarantee by paying verification fees of Rs. 1,000/- + GST through link provided below - <http://onlinebg@mahapwd.com>.

7.0 DOWNLOADING OF TENDER DOCUMENT :

Information regarding contract as well as blank tender forms can be downloaded from the <http://mahatenders.gov.in> e-tendering website upon providing the details of the payment of cost as detailed in the N.I.T.

8.0 The tenders who do not fulfill the condition of the notification and the general rules and directions for the guidance of contractor in the agreement form or are incomplete in any respect are likely to be rejected without assigning any reason therefore.

9.0 (a) The Tenderers shall be presumed to have carefully examined the drawings, conditions and specifications of the work and have fully acquainted themselves with all details of the site, the conditions of rock and its joints, pattern, river, weather characteristics, labour conditions and in general with all the necessary information and data pertaining to the work, prior to tendering for the work.

9.0 (b) The data whatsoever supplied by the Department along with the tender documents are meant to serve only as guide for the tenderers while tendering and the Department accepts no responsibility whatsoever either for the accuracy of data or for their comprehensiveness.

10.0 The quarries for extraction of metal, murum etc. provided in the sanctioned estimate are as per survey conducted by the Department. The Contractor should however examine these quarries and see whether full quantity of materials required for execution of the work strictly as per specification are available in these source before quoting the rates. In case the materials are not available due to reasons whatsoever, the contractor will have to bring the materials from any other source with no extra cost to Government. The rates quoted, should therefore be for all leads and lifts from wherever the materials are brought at site of work and inclusive of royalty to be paid to the Revenue Department by the Contractor.

11.0 POWER OF ATTORNEY :

If the tenderers are a firm or company, they should in their forwarding letter mention the names of all the partners together with the name of the person who holds the power of Attorney, authorizing him to conduct all transactions on behalf of the body, along with the tender.

12.0 The contractor or the firms tendering for the work shall inform the Department if they appoint their authorized Agent on the work.

13.0 No foreign exchange will be released by the Department for the purchase of plants and machinery for the work by the Contractor.

Contractor

Executive Engineer

14.0 Any dues arising out of contract will be recovered from the contractor as arrears of Land Revenue, if not paid amicably. Moreover, recovery of Government dues from the Contractors will be affected from the payment due to the Contractor from any other Government works under execution with them.

15.0 All pages of tender documents, conditions, specifications, correction slips etc. shall be initialed by the tenderer. The tender should bear full signature of the tenderer, or his authorized power of Attorney holder in case of a firm.

16.0 The Income Tax at 2.00 % including surcharge or percentage in force from time to time or at the rate as intimated by the competent Income Tax authority shall be deducted from bill amount whether measured bill, advance payment or secured advance.

17.0 The successful tenderer will be required to produce, to the satisfaction of the specified concerned authority a valid concurrent license issued in his favour under the provisions of the Contract Labour (Regulation and Abolition) Act 1970 for starting the work. On failure to do so, the acceptance of the tender shall be liable to be withdrawn and also liable for forfeiture of the earnest money...

18.0 The tenderer shall submit the list of apprentices engaged by the Contractor under Apprentice Act.

19.0 VALIDITY PERIOD :

The offer shall remain open for acceptance for minimum period of **60 days** from the Date of opening of Envelope No.2 (Financial Bid) and thereafter until it is withdrawn by the contractor by notice in writing duly addressed to the authority opening the tender and sent by Registered Post Acknowledgment due.

20.0 After completion of the e-tendering process, the successful bidder will have to submit the hard copy of downloaded tender document and drawings duly signed on each page by the contractor or his authorized signatory. The tender should bear full signature of the tendered, or his authorized power of attorney holder in case of Firm.

21.0 IMPORTANT NOTE

21.1 The contractor shall produce the work insurance policy, the same will be reimbursed to the contractor. If contractor fails to produce the work insurance policy, Executive Engineer shall be recovered from the 1st R.A. bill of the contractor as penalty to the Contractor.

If completion period of work is Extended, then period of work Insurance must be renewed/extended as per requirement.

Contractor

Executive Engineer

21.2 Mandatory Testing of Material and Penalty Clause

It is mandatory on the part of contractor to carry out all the required tests of various construction materials as mentioned in schedule 'B' of the tender. If the contractor fails to submit required test result of the various construction materials as mentioned in the items of schedule 'B', he will be liable to deposit the amount at penal rate of five times of the amount of particular test which he has not carried out. Contractor will be informed by the Engineer -in-Charge through letter. On receipt of letter, contractor will have to either deposit the said amount or to carry out the required test with in ten days. If Contractor again fails to carry out there quired tests in stipulated time limit, the said tests will be carried out by the department and total expenditure in curred on the testing charges plus five times amountof testing charges will be recovered from the contractor's bill.

As this recovery Is only due to the negligence on the part of contractor to carry out work as per Tender conditions and Executive Engineer's decision will be final and binding on the contractor and it cannot be challenged by the contractor by way of Appeal, Arbitration or in the Court of Law.

21.3 Maximum amount due to price verification for labour Component, Material Component and Petrol oil and Lubricant Component will be restricted to 5 % of the accepted contract value excluding the verification payable for bituminous, Steel, Cement and C.I./D.I. Pipe component as per star rate clause.

मुख्य अभियंता
सार्वजनिक बांधकाम प्रादेशिक विभाग, पुणे
नवीन मध्यवर्ती इमारत आवार, पुणे ४११ ००१ यांचे कार्यालय.

Web- www.mahapwd.com
e-mail- pune.ce@mahapwd.com

दुरध्वनीक्र.- (०२०) २६१२४२९५
फॅक्स नं.- ०२०-२६१२६२६८

जा.क्र. मुअपु/का-२/इमारती-२/५९४०/२०१७

दिनांक :- १७/१०/२०१७

परिपत्रक

विषय:- शासकीय बांधकामांमध्ये कृत्रिम वाळू (Crushed Sand / Artificial Sand)
चा वापर करणेबाबत.....

- संदर्भ:-** १) शासन परिपत्रक क्र. संकीर्ण-२००९/प्र. क्र. १०/रस्ते-१, दिनांक २३/७/२००९.
२) या कार्यालयाचे परिपत्रक जा. क्र. का-२ / नियोजन / १५०४ / २०१३,
दि. ८/३/२०१३.

सार्वजनिक बांधकाम विभागामार्फत मोठ्या प्रमाणात शासकीय इमारतींची बांधकामे तसेच रस्ते व पुलांची बांधकामे हाती घेण्यात येतात. सदर बांधकामातील काँक्रीटच्या बाबींचे परिमाणेही खुप जास्त असतात. त्यामुळे काँक्रीटच्या घटक भागाचे म्हणजेच या प्रकरणी मुख्यत्वे वाळूच्या मागणीमध्ये प्रचंड प्रमाणात वाढ झाली आहे. बांधकामांसाठी लागणाऱ्या वाळूची मागणी ही उपलब्ध नैसर्गिक वाळूच्या व्यस्त प्रमाणात वाढते आहे. परिणामी वाळूचे बेकायदा उत्खनन वाढून नदी व नाल्यांच्या नैसर्गिक प्रवाहात बाधा पाहोचविण्याचे प्रकार वाढले आहेत. अशा परिस्थितीत नैसर्गिक वाळूचा बांधकामातील वापर कमी करून त्याऐवजी कृत्रिम वाळूचा वापर वाढविणे क्रमप्राप्त असून काळाची गरज आहे.

शासनाच्या दिनांक २३/७/२००९ रोजीच्या परिपत्रकामध्ये कृत्रिम वाळूच्या वापराच्या अनुषंगाने मार्गदर्शक सुचना निर्गमित केल्या आहेत. त्यास अनुसरून या कार्यालयाच्या दिनांक ८/३/२०१३ रोजीच्या परिपत्रकामध्ये क्षेत्रिय कार्यालयांसाठी मार्गदर्शक सुचना निर्गमित केल्या आहेत.

तथापी आता क्षेत्रिय स्तरावर उपलब्ध यंत्रसामुग्री, त्या अनुषंगाने उपलब्ध होऊ शकणारी कृत्रिम वाळू व त्याची गुणवत्ता विषयक मानके तसेच कृत्रिम वाळूच्या वापरासंदर्भात दक्षता व गुणनियंत्रण मंडळाकडून प्राप्त झालेले अभिप्राय इत्यादींचा विचार करता, नव्याने प्रस्तावित शासकीय बांधकामांमध्ये कृत्रिम वाळूच्या वापरा संदर्भात नव्याने मार्गदर्शक सुचना निर्गमित करणे आवश्यक झाले आहे.

उपरोक्त अनुषंगाने शासकीय बांधकामांमध्ये नैसर्गिक वाळू ऐवजी १०० % कृत्रिम वाळू (Crushed Sand / Artificial Sand) वापरण्यास या परिपत्रकान्वये परवानगी देण्यात येत असून, त्याप्रमाणे कृत्रिम वाळू वापरतांना खालील नमुद अटीचे पालन होणे अनिवार्य आहे.

१. बांधकामसाठी वापरात येणारी कृत्रिम वाळू ही IS ३८३ : २०१६ मधील खंड ३.१.२ मध्ये नमुद कृत्रिम वाळूच्या व्याख्येनुसार Automatic Vertical Shaft Impactor या मशिनमधून चांगल्या प्रतीच्या खाणीचा दगड भरडून उत्पादित केलेली असावी.

२. संबंधीत क्षेत्रिय अधिकारी यांनी प्रचलित IS Code ३८३ - २०१६ मधील तक्ता क्र. ९ मध्ये नमुद केलेप्रमाणे fine aggregate चे स्विकृती बाबतच्या ग्रेडींग झोन नुसार वर्गीकरण करून व तशा पध्दतीच्या तपासण्या प्रत्यक्ष बांधकामाच्या जागेवर घेतल्यानंतरच कृत्रिम वाळू वापरण्यास परवानगी देण्यात यावी.
३. बांधकाम सुरू करण्यापुर्वी कृत्रिम वाळूच्या स्रोतास (Source of crushed sand/Artificial Sand) कार्यकारी अभियंता यांनी लिखित स्वरूपात मान्यता देणे बंधनकारक राहिल.
४. कृत्रिम वाळूचा वापर करणेपुर्वी अन्य आवश्यक चाचण्यांसह कॉक्रीटकरीता चे Mix Design शासकीय प्रयोगशाळेतूनच करून घेणे अनिवार्य राहिल.
५. Prestressed Concrete च्या बाबींमध्ये कृत्रिम वाळूचा वापर करण्यात येऊ नये.
६. बांधकामाच्या कॉक्रीटच्या बाबी करिता Reddy Mix Concrete चा वापर टाळणे अनिवार्य आहे.
७. कृत्रिम वाळूचा वापर बांधकामामध्ये करतांना कृत्रिम वाळूच्या वापराबाबतचे विनिर्देश सोबत Annexure I स्वतंत्रपणे या परिपत्रकासोबत जोडण्यात येत आहेत. त्यानुसार त्या कामाच्या निविदेमध्ये Additional General Specification चा अंतर्भाव करण्यात यावा.
८. सद्यस्थितीत प्रगतीपथावर असलेल्या बांधकामांमध्ये कृत्रिम वाळूचा वापर करणे अनिवार्य झाल्यास या बाबत तांत्रिक मान्यता प्रदान करणाऱ्या प्राधिकारी यांना अवगत करण्यात यावे.
९. कृत्रिम वाळूचा वापराबाबत वरील नमुद १ ते ६ अटीचे तंतोतंत पालन करण्यात यावे. तसेच कृत्रिम वाळू वापरल्यास आरसीसी कामास विहीत प्रमाणापेक्षा जास्त सिमेंट लागल्यास त्याकरीता संबंधीत ठेकेदारास अतिरिक्त मोबदला देण्यात येणार नाही.
१०. नैसर्गिक वाळू ऐवजी कृत्रिम वाळूचा वापर ज्या बाबींसाठी प्रस्तावित करण्यात येईल अशा बाबींसाठीच्या कमी दरांबाबत अंदाजपत्रकानुसार दोन्ही साहित्यांच्या बेसिक दर व साहित्यांचे वाहतुकीचे अंतर विचारत घेऊन संबंधित क्षेत्रिय अधिकारी यांनी उचित कार्यवाही करावी. तसेच कामांवर होणाऱ्या एकंदर खर्च विहीत मर्यादेपेक्षा जास्त होणार नाही याची दक्षत संबंधीत क्षेत्रिय अधिकारी यांनी घेण्यात यावी.

सहपत्र : Annexure I

Sd/-

मुख्य अभियंता

सार्वजनिक बांधकाम प्रादेशिक विभाग

पुणे-४११ ००१.

- प्रत :- अधीक्षक अभियंता, दक्षता व गुणनियंत्रण मंडळ, पुणे यांना माहितीसाठी पुढील उचित कार्यवाहीसाठी.
- प्रत :- मा. अधीक्षक अभियंता, पुणे सा. बां. मंडळ, पुणे, सातारा, कोल्हापूर. सोलापूर यांना माहितीसाठी पुढील उचित कार्यवाहीसाठी..
- प्रत :- कार्यकारी अभियंता, सा. बां. विभाग पुणे/ (पुर्व) पुणे/(उत्तर) विभाग, पुणे/(दक्षिण), पुणे/इमारतीविभाग/ रा.म. विभाग क्र.६, पुणे/ प्रकल्प विभाग, पुणे
- कार्यकारी अभियंता, सा. बां. विभाग, कोल्हापूर/(दक्षिण) कोल्हापूर/विशेष प्रकल्प (सा. बां.) कोल्हापूर/सा. बां. विभाग, मिरज/सा. बां. विभाग (पश्चिम) सांगली, कार्यकारी अभियंता, सा. बां. विभाग क्र. १/क्र. २ सोलापूर/सा. बां. विभाग, अकलुज/सा. बां. विभाग, पंढरपूर यांना माहिती व आवश्यक कार्यवाहीसाठी रवाना.
- प्रत :- सहा. मुख्य अभियंता (रस्ते/इमारती) यांना माहितीसाठी व आवश्यक कार्यवाहीसाठी.
- प्रत :- उप अभियंता, रस्ते/नाबार्ड/इमारती-१/इमारती-२ यांना माहितीसाठी व उचित कार्यवाहीसाठी.

Contractor

Executive Engineer

Additional Specifications for use of VSI Crushed Sand/ Artificial Sand / Fine Aggregates.

1. VSI Crushed Sand/ Artificially manufactured sand/ Fine aggregates hereinafter referred to as " Crushed Sand " shall be as defined under Clause 3.1.2 of Indian Standard 383-2016.
2. The properties of "Crushed Sand" shall confirm to the provisions of Indian Standard 383-2016.
3. The "Crushed Sand" shall be free of dust and other Deleterious material.
4. The "Crushed Sand" shall be manufactured using "Automatic Vertical Shaft Impactor" type Crusher only.
5. The quantity of Micro fines (Particles below 75 microns) in "Crushed Sand " shall not be more than seven percent.
6. The Contractor shall intimate the Engineer in Charge regarding the source of supply of "Crushed Sand". The source of supply of "Crushed Sand" shall be got approved by the Executive Engineer (Engineer in Charge) prior to the start of work.
7. Each load of "Crushed Sand" whenever brought on site shall be tested for "Fineness Modulus. Fineness modulus shall be within permissible limits. If it don't fall within acceptable limits, it shall be rejected.
8. The Test of Compressive strength of concrete / Mortar using "Crushed Sand" shall be carried out in presence of Department Engineer as given below
 - a) 100 percent cube testing in presence of Junior / Asst./ Sectional Engineer.
 - b) 25 percent cube testing in presence of sub divisional Engineer.
 - c) 5 percent cube testing in presence of Executive Engineer. (Engineer in charge.)
9. The flakiness index and elongation index tests shall be within permissible limits.
10. The Concrete mix design for each grade of concrete using "Crushed Sand" shall be carried out only in Government Quality Control Laboratory and the same Mix design shall be adopted.
11. As far as possible freshly produced "Crushed Sand" shall be used stored "Crushed Sand" shall not be used.
12. For plastering purpose, if the use of "Crushed Sand" is proposed, it shall be used with addition of super plasticizers at the rate of 100 milliliters per bag of cement without any extra cost to Government.

Contractor

Executive Engineer

13. The following tests shall be carried out for the use of " Crushed Sand ".
- a) Sieve analysis
 - b) Specific Gravity
 - c) Water absorption
 - d) Bulk density
 - e) Alkali aggregate reaction
 - f) Soundness
 - g) Deleterious Material
 - h) Organic impurities
 - i) Micro fines Content
 - j) Test for Silt and Clay
 - k) Fineness modulus tests.
14. Necessary Bond regarding the use of " Crushed Sand " shall be submitted by the Contractor clearly stating that, if any defects are observed during execution and in defect liability period, the same shall be rectified at his own risk and cost.
15. Grading zone I and II mentioned under clause 6.3 table 9 of aggregates in IS383:2016 shall only be used for concreting.
16. Reversible drum type / Batch Mix plant (Pan type) concrete mixer shall be used for concrete.
17. Use of Concrete from Redy Mix Plant (RMC) shall be strictly prohibited.
18. "Cursed Sand" shall not be used for per stressed concrete works.

100 Rs. Bond

नमुना सत्यप्रतिज्ञा लेख

सत्यप्रतिज्ञा (Affidavit) (मराठी)

Tender Notice No. Work No.

मी वय वर्षे
राहणार.....या सत्यप्रतिज्ञा लेखाद्वारे लिहून देतो
की मी या कंपनीचा /फर्मचा प्रोप्रायटर/
भागीदार असून **Renovation of Babasaheb Ambedkar Regional Training Institute (BARTI) campus, 28 Queens Garden, Camp, Pune-1.** या कामासाठी निविदा सादर केली आहे.त्या निविदेच्या लिफाफा क्र. १ मध्ये जी कागदपत्रे सादर केली आहेत ती खरी, बरोबर व पूर्ण आहेत. त्यामध्ये कोणत्याही त्रुटी, चुका नाहीत, याची मी खात्री केलेली असून असे शपथपूर्वक खालील अटी व शर्तीसह मान्य करित आहे. या कागदपत्रांमध्ये काही चुकीची, दिशाभूल करणारी, खोटी व तसेच अपूर्ण माहिती आढळ्यास मी भारतीय दंडसंहिता अंतर्गत कायदेशीर कार्यवाहीस पात्र राहीन.

१. जर कंत्राट कालावधीदरम्यान, मी माझ्या कार्यालयाने किंवा माझ्या कर्मचाऱ्यांनी सार्वजनिक बांधकाम विभागाला खोटी माहिती किंवा देयकासमवेत तसेच पत्रव्यवहारात खोटी/बनावट साहित्य खरेदीची कागदपत्रे सादर केली असल्यास मी भारतीय दंडसंहिता अंतर्गत कायदेशीर कार्यवाहीस पात्र राहीन.

२. जर कंत्राट कालावधीदरम्यान आणि काम समाप्ती नंतर, अंतिम देयक देण्याच्या तारखेपर्यंत सादर केलेले कोणतेही कागदपत्रे खोटी/बनावट किंवा फसवी आढळ्यास मी मी भारतीय दंडसंहिता अंतर्गत कायदेशीर कार्यवाहीस पात्र राहीन.

२. जर काम समाप्तीनंतर दोष दायित्व कालावधी दरम्यान किंवा त्यानंतर कोणत्याही वेळी, कोणतीही माहिती किंवा कागदपत्रे खोटी/बनावट किंवा फसवी आढळ्यास मी मी भारतीय दंडसंहिता अंतर्गत कायदेशीर कार्यवाहीस पात्र राहीन.

कंत्राटदाराची सही व शिक्का

AFFIDAVIT
(on Rs. 100/- Stamp Paper) (English)

NAME OF WORK:- Renovation of Babasaheb Ambedkar Regional Training Institute (BARTI) campus, 28 Queens Garden, Camp, Pune-1.

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 or the purpose of scrutiny of the contract. I hereby agree to the conditions mentioned below

1. I am liable for action under Indian Penal Code for submission of any false / fraudulent paper / information submitted in Envelope No. 1.
2. I am liable for action under Indian Penal Code if during contract period and defect liability period, 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.
3. I am liable for action under Indian Penal Code if any paper are found false / fraudulent during contract period and even after the completion of contract (finalisation of final bill).

(Signature of Contractor)
(Seal of company)

Contractor

Executive Engineer

NAME OF WORK:- Renovation of Babasaheb Ambedkar Regional Training Institute (BARTI) campus, 28 Queens Garden, Camp, Pune-1.

DECLARATION OF THE CONTRACTORS

I/We hereby declare that I/we have made myself/ourselves thoroughly conversant with the sub-soil conditions, the local conditions regarding all materials (such as stone, murum, sand, etc.) and labour of which I/we have based my/our rates for this work. The specifications, conditions, bore results and lead of materials on this work have been carefully studied and understood by me/us before submitting this tender. I/We undertake to use only the best material approved by the **Executive Engineer, Pune Public Works Division, Pune-411 001** or his duly authorised assistant, before starting the work and to abide by this decision.

I/We hereby further declare that my/our tender is unconditional in every manner of whatsoever in nature.

I/We hereby undertake to pay the labourers engaged on the work as per Minimum Wages Act, 1948 applicable to the zone concerned.

TO BE FILLED BY THE CONTRACTOR

I/We have quoted my/our offer in percentage rate in words as well as in figures. I/We further undertake to enter into contract in regular "B-1" form in Public Works Department.

Name and Signature of Contractor(s) / Power of attorney holder
with complete address.

Contractor

Executive Engineer

INTEGRITY PACT

Between

Public Works Department, Maharashtra Government
Executive Engineer, Public Works Division, Pune
having its Office at Central Building Campus, Pune - 411001

hereinafter referred to as

"PUBLIC WORKS DEPARTMENT",

and

[Insert the name of the Sale 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

PUBLIC WORKS DEPARTMENT intends to award, under
laid-down organizational procedures, contract(s) for
[Insert the name of tile package]

(Signature) _

(For & On behalf of PUBLIC WORKS DEPARTMENT)

(Signature) _

(For & On behalf of Bidder/ Partner(s) of

Joint Venture/ Contractor)

Contractor

Executive Engineer

Number

[Insert Specification Number of the package]

PUBLIC WORKS DEPARTMENT 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, PUBLIC WORKS DEPARTMENT 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 :

Section I - Commitments of PUBLIC WORKS DEPARTMENT

(1) PUBLIC WORKS DEPARTMENT commits itself to take all measures necessary to prevent corruption and to observe the following principles :

- a) No employee of PUBLIC WORKS DEPARTMENT, 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) PUBLIC WORKS DEPARTMENT will during the tender process treat all Bidder(s) with equity and fairness. PUBLIC WORKS DEPARTMENT 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) PUBLIC WORKS DEPARTMENT 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 Principle Secretary PWD, Maharashtra Government obtains information on the conduct of any employee of PUBLIC WORKS DEPARTMENT 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 the Bidder/Contractor

(1) The Bidder/Contractor commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles

(Signature)

(Signature)

(For & On behalf of PUBLIC WORKS DEPARTMENT) (For & On behalf of Bidder/ Partner(s) of

(Joint Venture/ Contractor)

during his participation in the tender process and during the contract execution :

Contractor



Contact for Tender Filling and Documentation
Mob No.: +91 - 9630030343
Helpline: - 18008892553
Email ID:- proposal@tendersttime.com
Website:- www.tendersttime.com

Executive Engineer

- a) The Bidder/Contractor will not, directly or through any other person or firm, offer, promise or give to PUBLIC WORKS DEPARTMENT, or to any of PUBLIC WORKS DEPARTMENT'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 any 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 PUBLIC WORKS DEPARTMENT 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/ representatives 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's in order to influence the bidding process or the execution of the contract to the detriment of PUBLIC WORKS DEPARTMENT.

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

(Signature)

(For & On behalf of PUBLIC WORKS DEPARTMENT)

(Signature)

(For & On behalf of Bidder /Partner(s) of

(Joint Venture/ Contractor)

Contractor

Executive Engineer

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, PUBLIC WORKS DEPARTMENT 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, PUBLIC WORKS DEPARTMENT 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, PUBLIC WORKS DEPARTMENT may revoke the exclusion prematurely.

Section IV - Liability for violation of Integrity Pact

- (1) If PUBLIC WORKS DEPARTMENT has disqualified the Bidder from the tender process prior to the award under Section III, PUBLIC WORKS DEPARTMENT may forfeit the Bid Guarantee under the Bid.
- (2) If PUBLIC WORKS DEPARTMENT has terminated the contract under Section III, PUBLIC WORKS DEPARTMENT may forfeit the Contract Performance Guarantee of this contract besides resorting to other remedies under the contract.

Section V- Previous Transgression

- (1) The Bidder shall declare in his Bid that no previous transgressions occurred in the last 3 years with any other Public Sector Undertaking or Government Department that could justify his exclusion from the tender process.

(Signature) _

(For & On behalf of PUBLIC WORKS DEPARTMENT)

(Signature) _

(For & On behalf of Bidder/Partner(s) of

(Joint Venture/ Contractor)

Contractor

Executive Engineer

(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) PUBLIC WORKS DEPARTMENT will enter into agreements with identical conditions as this one with all Bidders.

(2) PUBLIC WORKS DEPARTMENT will disqualify from the tender process any bidder who does not sign this Pact or violate its provisions.

Section VII - Punitive Action against violating Bidders/Contractors

If PUBLIC WORKS DEPARTMENT 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 PUBLIC WORKS DEPARTMENT has substantive suspicion in this regard, PUBLIC WORKS DEPARTMENT will inform the Chief Vigilance Officer (CVO).

(*) Section VIII - Independent External Monitor / Monitors

(1) PUBLIC WORKS DEPARTMENT has appointed a panel of Independent External Monitors (IEMs) for this Pact with the approval of Central Vigilance Commission (CVC), Government of India, out of which one of the IEMs has been indicated in the NIT/IFB.

(2) The IEM is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement. He has right of access to all project documentation. The IEM may examine any complaint received by him and submit a report to Principle Secretary PWD, Maharashtra Government, PUBLIC WORKS DEPARTMENT, at the earliest. He may also submit a report directly to the CVO and the CVC, in case of suspicion of serious irregularities attracting the provisions of the PC Act. However, for ensuring the desired transparency and objectivity in dealing with the complaints arising out of any tendering process, the matter shall be referred to the full panel of IEMs, who would examine the records, conduct the investigations and submit report to Principle Secretary PWD, Maharashtra Government, PUBLIC WORKS DEPARTMENT, giving Joint findings.

(Signature) _

(Signature) _

(For & On behalf of PUBLIC WORKS DEPARTMENT) (For & On behalf of Bidder/ Partner(s) of

(Joint Venture/ Contractor)

Contractor

Executive Engineer

(3) The IEM is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the Principle Secretary PWD, Maharashtra Government, PUBLIC WORKS DEPARTMENT.

(4) The Bidder(s)/Contractor(s) accepts that the IEM has the right to access Without restriction to all documentation of PUBLIC WORKS DEPARTMENT related to this contract including that provided by the Contractor/Bidder. The Bidder/Contractor will also grant the IEM, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his documentation. The same is applicable to Subcontractors. The IEM is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s)/ Subcontractor(s) with confidentiality.

(5) PUBLIC WORKS DEPARTMENT will provide to the IEM information as sought by him which could have an impact on the contractual relations between PUBLIC WORKS DEPARTMENT and the Bidder/Contractor related to this contract.

(6) As soon as the IEM notices, or believes to notice, a violation of this agreement, he will so inform the Principle Secretary PWD, Maharashtra Government, PUBLIC WORKS DEPARTMENT and request the Principle Secretary PWD, Maharashtra Government, PUBLIC WORKS DEPARTMENT to discontinue or take corrective action, or to take other relevant action. The IEM can in this regard submit non-binding recommendations. Beyond this, the IEM has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action. However, the IEM shall give an opportunity to PUBLIC WORKS DEPARTMENT and the Bidder/Contractor, as deemed fit, to present its case before making its recommendations to PUBLIC WORKS DEPARTMENT.

(7) The IEM will submit a written report to the Principle Secretary PWD, Maharashtra Government, PUBLIC WORKS DEPARTMENT within 8 to 10 weeks from the date of reference or intimation to him by PUBLIC WORKS DEPARTMENT and, should the occasion arise, submit proposals for correcting problematic situations.

(8) If the IEM has reported to the Principle Secretary PWD, Maharashtra Government, PUBLIC WORKS DEPARTMENT, a substantiated suspicion of an offence under relevant Anti-Corruption Laws of India, and the Principle-Secretary PWD, Maharashtra Government, PUBLIC WORKS DEPARTMENT has not, within the reasonable time taken visible action to proceed against such offence or reported it to the CVO, the Monitor may also transmit this Information directly to the CVC, Government of India.

(Signature) _

(For & On behalf of PUBLIC WORKS DEPARTMENT)

(Signature)_

(For & On behalf of Bidder/ Partner(s) of

(Joint Venture/ Contractor)

Contractor

Executive Engineer

(9) The word 'IEM' would include both singular and plural.

() Tills Section shall be applicable for only those packages to herein tlze IEMs have been Identified in Section - I : Imntation for Bids and/or Clause ITB 9.3 in Section - III: Bid Data Sheets of Conditions of Contract, Volume-I of the Bidding Documents.*

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 PUBLIC WORKS DEPARTMENT. 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 parties and the recommendations of the CVO/IEM# 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.

CVO shall be applicable for packages to here IEM are not Identified in Section IFB/ BDS of Condition of Contract, Volume -I, IEM shall be applicable for packages wherein IEM are identified in Section IFB/BDS of Condition of Can tract, volume-l.

(Signature) _

(Signature)_

(For & On behalf of PUBLIC WORKS DEPARTMENT) (For & On behalf of Bidder/ Partner(s) of

Contractor

Executive Engineer

(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 PUBLIC WORKS DEPARTMENT)

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

(Office Seal) (Office Seal)

(Office Seal) (Office Seal)

Name -

Name -

Designation

Designation

Witness 1:.

Witness 1:

(Name & Address).

(Name & Address).

Witness 2 :.

Witness 2 :.

(Name & Address).

(Name & Address).

Contractor

Executive Engineer

FORM NO. II

Details of plant and machinery immediately available with the tenderer for the work

Name of the tenderer :-

[illegible]

PUBLIC WORKS DEPARTMENT

40

Dy.Ex.Engineer

Contractor.



Contact for Tender Filling and Documentation
Mob No.: +91 - 9630030343
Helpline: - 18008892553
Email ID:- proposal@tenderstime.com
Website:- www.tenderstime.com

Executive Engineer.

FORM NO. III

Details of works of similar type and magnitude carried out by the Contractor during last FIVE years

Name of the tenderer :-

Sr. No.	Name of work.	Cost of work	Date of starting	Stipulated date of period of completion	Actual date of completion	Remarks
1	2	3	4	5	6	7
----- SPECIMEN FORM -----						

Contractor.



Executive Engineer.

FORM NO. IV

~~Details of works executed in the interior backward and hilly areas during the preceding FIVE years.~~

~~Name of the tenderer :-~~

Sr. No.	Name of work.	Cost of work	Date of starting	Stipulated date of completion	Actual date of completion	Remarks
1	2	3	4	5	6	7
<div>-----SPECIMEN FORM-----</div>						

Contractor.

Executive Engineer.

FORM NO. V

Details of Technical Personnel available with Contractor

Name of the tenderer :-

Sr. No.	Name of Person	Qualifications	Whether working in field or in office	Experience of execution of similar works	Period for which the person is working with the tenderer	Remarks
1	2	3	4	5	6	7
<div>----- SPECIMEN FORM -----</div>						

Contractor.

Executive Engineer.

FORM NO. VII

Statement Showing Maximum Value of Financial Turnover in any one year during last FIVE years.

Name of the tenderer :-

Sr. No.	Name of Work	Tender Const	Financial Turnover					Remarks
			2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	
1	2	3	6	7	8	9	10	11
								In support of the details entered in this statement, the tenderer shall attach scanned copies of the annual financial turnover as certified by Chartered Accountant.
	Multiplying Factor for updating		1.61	1.46	1.33	1.21	1.10	

(1) Tenderer shall work out this Bid capacity on basis of highest amount "A" i.e. of Financial turnover in any one year out of the last FIVE years and the amount "B" i.e. the total cost of works in hand as per Statement No. 1 and shall work out the Bid Capacity as below.

Bid Capacity = (A*N*2.00)-B

Contractor.

Executive Engineer.

(On stamp paper worth Rupees 100/-)

MODEL FORM OF BANK GUARANTEE BOND

<u>NAME OF WORK:-</u>	Renovation of Babasaheb Ambedkar Regional Training Institute (BARTI) campus, 28 Queens Garden, Camp, Pune-1.
------------------------------	---

In consideration of the Government of Maharashtra (hereinafter referred to as "The Government") having agreed to exempt(hereinafter referred to as "The Contractor") from depositing with the Government in cash the sum of Rs. _____, (Rupees _____ only) being the amount of Security Deposit payable by the Contractor to the Government under the terms and conditions of the Agreement dated the Day ofand made between the Government 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 the Contractor furnishing to the Government 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 Officer at..... do hereby;

1. Guarantee to the Government :

- a) Due performance and observance by the Contractor of the terms, covenants and conditions on the part of the Contractors contained in the said Agreement, AND
- b) Due and punctual payment by the Contractor to the Government of all sums of money, losses damages cost charges, penalties and expenses payable to the Government by the Contractor under or in respect of the said agreement.

2. Undertake to pay to the Government on demand and without demur and not withstanding any dispute or disputes raised by the Contractor(s) in any suit or proceeding filed in any court of tribunal relating thereto the said sum of Rs. _____ (Rupees _____ only) or such lesser sum as may be demanded by the Government from us our liability here under 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 enforceable till all the dues of the Government under or by virtue of the said Agreement have been duly paid and its claims satisfied or discharged and till

Contractor.

Executive Engineer.

the Government certified 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 Government and the Contractor with or without our consent ;
- iii) any forbearance of indulgence show to the Contractor ;
- iv) any variation in the terms, covenant 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 Government.

IN WITNESS WHEREOF the common seal of has been hereunto affixed this day of20..... The common seal ofwas pursuant to the resolution of the Board of Directors of the Company dated theday of..... herein affixed in the presence of who, in token thereof, have here to set their respective hands in the presence of -

1)

2)

Contractor.

Executive Engineer.

GENERAL DESCRIPTION AND SCOPE OF WORK

<u>NAME OF WORK:-</u>	Renovation of Babasaheb Ambedkar Regional Training Institute (BARTI) campus, 28 Queens Garden, Camp, Pune-1.
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General Description

Contractor.

Executive Engineer.

FORM B-1

PERCENTAGE RATE TENDER AND CONTRACT FOR WORKS

DEPARTMENT : PUBLIC WORKS DEPARTMENT.
REGION : PUBLIC WORKS REGION, PUNE.
CIRCLE : PUBLIC WORKS CIRCLE, PUNE.
DIVISION : PUNE PUBLIC WORKS DIVISION, PUNE

NAME OF WORK:- **Renovation of Babasaheb Ambedkar Regional Training Institute (BARTI) campus, 28 Queens Garden, Camp, Pune-1.**

General Rules and Directions for the Guidance of contractors

1. All works proposed to be executed by contract shall be notified in a form of invitation to tender passed on a board hung up in the office of the Executive Engineer and signed by the **Executive Engineer, Pune Public Works Division, Pune-411 001**. 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 security deposit to be deposited by the successful tenderer, and the percentage, if any, to be deducted from bills. It will also state whether a refund of a quarry fees, royalties, dues and ground rents will be granted. Copies of the specifications, designs and drawings, estimated rates, scheduled rates and any other documents required in connection with the work shall be signed by the Executive Engineer for the purpose of identification and shall also be open for inspection by contractors at the office of the **Executive Engineer, Pune Public Works Division, Pune-1** during office hours.

Where the works are proposed to be executed according to the specifications recommended by a contractor and approved by a competent authority on behalf of the Governor of Maharashtra such specifications with designs and drawings shall form part of the accepted tender.

2. In the event of the tender being submitted by a firm, it must be signed by each partner thereof, and in the event of the absence of any partner, it shall be signed on his behalf by a person holding a power of attorney authorising him to do so.

2 (A) i) The contractor shall pay along with the tender the sum of **Rs. 53,500/-** (Rupees **Fifty Three thousand Five hundred Only**) as and by way of earnest money. The contractor may pay the said amount by paid via online using NEFT/RTGS or payment gateway mode. The said amount of earnest money shall not carry any interest whatsoever. The said amount of earnest money shall not carry any interest what so ever. (Amended vide G.R.P.W.D. Department's corrigendum No. CAT-1073/16967-D-3 dated 14/5/1976.)

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.

**Strike out which is not required.*

Contractor.

Executive Engineer.

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 rights and powers of the Government hereunder or in law, the Government 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 provisions of sub-clause (iii) above, be refunded to him on his passing receipt therefore. (**Amended wide G.R.B. and C. Department's No. CAT 1272/44277-C dated 3/3/1973**).

3. Receipt for payments made on account of any work when executed by a firm should 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 below or above the rates specified in Schedule 'B' (Memorandum showing items of work to be carried out) he is willing to undertake the work. Only one rate or such percentage of all the estimated rates / scheduled rates shall be named. Tenders which propose 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 the number of work to which they refer written outside the envelope.
5. The **Executive Engineer** or his duly authorised assistant shall open tenders in the presence of the Contractors who have submitted their tender or their representatives who may be present at the time and he will enter the amounts of the several tenders in a comparative statement in a suitable form 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 / Scheduled Bank concerned to refund the amount of earnest money deposited to the Contractor making the tender on his giving a receipt for the refund of the money
6. The officer competent to dispose of the tenders shall have the right of rejecting all or any of the tenders.
7. 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 the Government unless it is signed by the Executive Engineer.
8. The memorandum of work to be tendered for and the Schedule of materials to be supplied by the Department and their rates shall be filled in and completed by the

Contractor.

Executive Engineer.

- office of the Executive Engineer before the tender form is issued. If a form issued to an intending tenderer has not been so filled in and completed, he shall request the said office to have this done before he completes and delivers his tender.
9. All works shall be measured net by standard measure and according to the rules and customs of the Department and their rates shall be without reference to any local custom.
 10. Under no circumstances shall any Contractor be entitled to claim enhanced rates for items in this contract.
 11. Every registered Contractor should produce along with his tender certificate of registration as approved Contractor in the appropriate class and renewal of such registration with date of expiry.
 12. All Contractor and additions or pasted slips should be initiated.
 13. The measurement of work will be taken according to the usual methods in use in the Department and no proposal in adopt alternative methods will be accepted. The Executive Engineer's decision as to what is "the usual method in use in the Department" will be final.
 14. A tendering Contractor shall furnish a declaration along with a 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 submitting the tender.
 15. Every tender shall furnish along with the tender, information regarding the Income Tax Circle or Ward of the District in which he is assessed to income tax, the reference to the number of the assessment and the assessment year, **Permanent Account Number (PAN) No.** _____.
 16. 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 (GCM / PWD / CFM / 1058 /196/ 62517 of 26-9-1959).
 17. The contractor will have to construct shed for storing controlled and valuable materials issued to him under Schedule 'A' of the agreement, at work site, having double locking arrangement. The materials will be taken for use in the presence of the Departmental person. No materials will be allowed to be removed from the site of works.
 18. The Contractors shall also give a list of machinery in their possession and which they propose to use on the work in the form of statement no. II.

Contractor.

Executive Engineer.

19. Every unregistered Contractor should furnish along with the tender a statement showing previous experience and technical staff employed by him in the form of statement no.V.
20. Successful tenderer will have to produce to the satisfaction of the accepting authority a valid and current license issued in his favour under the provisions 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 the Government. (Reference Government of Maharashtra, Irrigation and Power Department's letter No. LAB 1076/1181/(666E-(17), dated 8/9/1976).
21. The Contractor shall comply with the provisions of 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 and the Superintending Engineer, may in his discretion cancel 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.

Executive Engineer.

TENDER FOR WORKS

** In figures as well as in words. Seal of Contractor*

1. I/We hereby tender for the execution, for the Governor of Maharashtra (hereinbefore as hereinafter referred to as "Government") of the work specified in the underwritten memorandum within the time specified in such memorandum at*----- percent **below / above** the estimated rates entered in Schedule 'B **PART A (WORK PORTION)**' (memorandum showing items of work to be carried out) and in accordance in all respects with the specifications, additional specifications, designs, drawings and instructions in writing referred to in Rule 1 hereof and in clause 12 of the annexed conditions of the contract and agree that when materials for the work are provided by the Government, such materials and the rate to be paid for them shall be as provided in Schedule "A" hereto.

MEMORANDUM

(a) If several sub-works are included they should be detailed in a separate list.

(a) General Description : **Renovation of Babasaheb Ambedkar Regional Training Institute (BARTI) campus, 28 Queens Garden, Camp, Pune-1.**

(c) The amount of earnest money to be deposited shall be in accordance with the provisions of paras 204 and 205 of the M.P.W. Manual.

(b) Estimated Cost.

Total Estimated Cost ... Rs. 53,20,981=00

(d) This deposit shall be in accordance with paras 211 and 212 of the M.P.W. Manual.

(c) Earnest Money. ... Rs. **53,500=00**

(d) Security Deposit. (2 %)

i) Initial (Not less than the amount of earnest money) (1 %) ... Rs. **53,500=00**

iii) To be deducted from the current bills. (1 %) ... Rs. **53,500=00**

TOTAL Rs. 1,07,000=00

(e) This percent where no security deposit is taken, will vary from 5 percent to 10 percent according to the requirement of the case where security deposit is taken see note 1 of clause 1 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, half the work, as measured by the cost, is done.

2 (Two) Percent.

(f) Give Schedule where necessary showing dates by which the various items are to be completed.

(f) Time allowed for the work from the date of written order to commence.

**6 (Six)
Calendar Months
(Including Monsoon)**

Contractor.

Executive Engineer.

2. I/We agree that the offer shall remain open for acceptance for a minimum period of **60 days** from the date fixed for opening the same 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, **Treasury-Bank Challan No. and date or Deposit at Receipt no. and date or Term Deposit Receipt** for a period of **one year** receipt no. _____ and date _____ issued by any **Nationalised/ Scheduled Bank** In respect to the sum of Rs. _____ (in words Rupees _____ only) representing the earnest money is herewith forward.

The amount of earnest money shall not bear interest and shall be liable to be forfeited to the Government should I / we fail to (i) abide by the stipulations 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 (1) 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 par thereof has been forfeited as aforesaid.

3. I/We have secured exemption from payment of earnest money after executing the necessary bond in favour of the Government, a true copy of which is enclosed herewith should any occasion for forfeiture of earnest money for this work arise due to failure on my/our part to (i) abide by the stipulations to keep the offer open for the period mentioned above or (ii) sign and complete the contract documents and furnish the security deposit as specified in item (d) of the memorandum contained in paragraph (1) above within the time limit laid down in memorandum contained in paragraph (1) above within the time limit laid down in clause (1) of the annexed General Conditions of Contract, the amount payable by me/us may, at the option of the Engineer, be recovered out of the amount deposited in lump sum for securing exemption in so far as the same may extend in terms of the said bond and in the event of the deficiency out of any other moneys which are due or payable to me/us the Government under any other contract or transaction of any nature whatsoever or otherwise.

4. Should this tender be accepted I/we hereby agree to abide by and fulfill 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 the Government the sums of money mentioned in the said conditions.

Contractor.

Executive Engineer.

* Amount to be specified in words and figures.

* Strike out (a) if no cash security deposit is to be taken.

Receipt No. _____ Dated _____ from the Government Treasury or Sub-treasury at _____ in respect of sum of Rs. * _____/- (In word _____ only)

is herewith forwarded representing the earnest money (a) the full value of which is to be absolutely forfeited to the Government should I/we not deposit the full amount of security deposit specified in the above memorandum in accordance with clause 1 (A) of the said Conditions of Contract otherwise the said amount of Rs. _____ **(In word Rupees _____ only)** shall be refunded.

Signature of Contractor before submission of tender.

Name of Contractor : # _____

Address : _____

Dated : The _____ day of _____ 20____

\$ Signature of Witness to contractor's signature

(Witness) : \$ _____

Address : _____

(Occupation) : _____

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

* Signature of the officer by whom accepted.

Dated ____ day of _____ 20____

***Executive Engineer,
Public Works Division,
PUNE-411 001.**

Contractor.

Executive Engineer.

CONDITIONS OF CONTRACT

Clause 1 : The person/persons whose tender may be accepted (hereinafter called the Contractor, which expression shall unless excluded by or repugnant to the context include his heirs, executors, administrators, assigns) shall (A) within ten days (which may be extended by the Superintending Engineer concerned upto 15 days if the Superintending Engineer thinks fit to do so) of the receipt by him of the notification of the acceptance of his tender deposit with the Executive Engineer in case or Government securities endorsed to the Executive Engineer (if deposited for more than 12 months) of the sum sufficient which will make up full security deposit specified in the tender or (B) (permit Government at the time of making any payment to him for work done under the contract to deduct such sum as will amount to ***2 (Two)** percent of all moneys so payable such deductions to be held by Government by way of security deposit.) Provided always that in the event of Contractor depositing a lump-sum by way of security deposit as contemplated at (A), above, then and in such case, if the sum so deposited shall not amount to ***2 (Two)** percent of the total estimated cost of the work, it shall be lawful for Government at the time of making any payment to the Contractor for work done under the contract to make up the full amount of ***2 (Two)** percent by deducting 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 Government under terms of his contract may be deducted from or paid by the sale of sufficient part of his security deposit or from the interest arising there from, or from any sums which may be due or may become due by Government to the Contractor under any other contract or 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 ten days thereafter, make good in cash or Government securities endorsed as aforesaid any sum or sums which may have been deducted from or raised by sale of his security deposit of any part thereof. The security deposit referred to, when paid in cash may at the cost of the depositor, be converted into interest bearing securities provided that the depositor has expressly desired this in writing.

Security deposit

*PWD Resolution No.
CAT/1087/CR-94/
Bldg.2 dt.14-6-89*

The security deposit will not be accepted in forms of insurance company bonds as per Government orders contained in No. CCM/PWD /CAT/4250 dated 27-12-1956. If the amount of the security deposit to be paid 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 recovery of the amount. The amount of 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

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

Contractor.

Executive Engineer.

Security deposit

*PWD Resolution No.
CAT/1087/CR-94/
Bldg.2 dt.21-6-04*

Good order is over. **If such date is not over, only 50 % amount of security deposit shall be refunded after two years of completion of work.** The amount of the remaining security deposit retained by the Government shall be released after expiry of period up to which the Contractor has agreed to maintain the work in good order is over. In the event of the Contractor failing or neglecting to complete rectification work within the period up to which the Contractor has agreed to maintain the work in good order, then subject to provision of Clause 17 and 20 hereto the amount of security deposit retained by Government shall be adjusted towards the excess cost incurred by the Department on rectification work.

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 throughout the stipulated period of the contract be proceeded with, with all due diligence (time being deemed to be the essence of the contract on the part of the Contractor) and the Contractor shall pay as compensation an amount equal to one percent or such smaller amount as the Superintending Engineer (Whose decision in writing shall be final) may decide, of the amount of the estimated cost of the whole work as shown by the tenderer for everyday that the work remains un commenced 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.

1/4 th of the work in _____	**	1/4 th of the time
1/2 of the work in _____	**	1/2 of the time
3/4 th of the work in _____	**	3/4 th of the time

Whole work in **6 (Six)** Calendar Month including monsoon.

****Note :** The quantity of the work to be done within a particular time to be specified above shall be fixed and inserted in the blank space kept for the purpose by the Officer competent to accept the contracts after taking into consideration the circumstances of each case and abide by the program of detailed process laid down by the Executive Engineer.

The following proportion will usually be found suitable in 1/4, 1/2, 3/4 of the time.

Reasonable progress of earth work 1/6, 1/2, 3/4 of the total value of the work to be done.

Reasonable progress of masonry work 1/10, 4/10, 8/10 of the total value of the work to be done.

In the event of the Contractor failing to comply with these conditions he shall be liable to pay as compensation an amount equal to one percent or such smaller amount as the Superintending Engineer (Whose

Contractor.

Executive Engineer.

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 provisions of this clause shall not exceed 10 percent of the estimated cost of the work as shown in the tender Superintending Engineer should be the final authority in this respect, irrespective of the fact that tender is accepted by Chief Engineer /Additional Chief Engineer / Superintending Engineer /Executive Engineer or Assistant Engineer / Deputy Engineer.

Clause 3: In any case in which under any clause of this contract the Contractor shall have rendered himself liable to pay compensation amounting to the whole of this security deposit whether paid in one sum or deducted by installments or in the case of abandonment of the work owing to serious illness or death of the Contractor or any other causes, the Executive Engineer, on behalf of the Governor of Maharashtra shall have power to adopt any of the following courses, as he may deem best suited to the interest of Government.

Action when whole of security deposit is forfeited.

a) To rescind the contract the contract (for which rescission notice in writing to the Contractor under the hand of Executive Engineer shall be conclusive evidence) and in that case the security deposit of the Contractor shall stand forfeited and be absolutely at the disposal of the Government.

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 unexecuted part of the work completed and crediting him with the value of the work done departmentally in all respects in the same manner and at the same rates as if it had been carried out by the Contractor under the terms of his contract. The certificate of the Executive Engineer as to the costs and other allied expenses so incurred and as to the value of the work so done departmentally shall be final and conclusive against the Contractor.

c) To order that the work of the Contractor be measured up and to take such part thereof as shall be unexecuted, out of his hands and to give it to another Contractor to complete, in which case all expenses incurred on advertisement for fixing a new contracting agency, additional supervisory staff including the cost of work-charged establishment and the cost of the work executed by the new contract agency will be debited to the contractor and the value of the work done or executed through the new contractor shall be credited to the Contractor in all respects and in the same manner and at the same rates as if it had been carried out by the Contractor under the terms of his contract. The certificate of the Executive Engineer as to all the costs 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.

Contractor.

Executive Engineer.

In case the contractor shall be rescinded under clause (a) above the Contractor shall not be entitled to recover or be paid, any sum for any work therefore actually performed by him under this contract unless and until the Executive Engineer shall have certified in writing the performance of such work and the amount payable to him in respect thereof and he shall only be entitled to be paid the amount so certified. In the event of either of the courses referred to in clause (b) or (c) being adopted and the cost of work executed departmentally or through a new contractor and other allied expenses exceeding the value of such work credited to the Contractor, the amount of excess shall be deducted from any money due to the Contractor, by Government under the contract or otherwise howsoever or from his security deposit or the sale proceeds thereof provided, however that the Contractor shall have no claim against Government even if the certified value of the work done departmentally or through a new contractor exceeds the certified cost of such work and allied expenses, provided always that whichever of the three courses mentioned in clauses (a), (b) or (c) is adopted by the Executive Engineer, the Contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased, or procured any materials, or entered into any engagements or made any advances on account of, or with a view to the execution of the work or the performance of the contract.

Action when the progress of any particular portion of the work is unsatisfactory.

Clause 4 : If the progress of any particular portion of the work is unsatisfactory, the Executive Engineer shall notwithstanding 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.

Contractor remains liable to pay compensation if action not taken under clauses 3 & 4

Clause 5 : In any case in which any of the powers conferred upon the Executive Engineer 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 waiver of any of the conditions hereof and such powers shall notwithstanding be exercisable in the event of any future case of default by the Contractor for which under any clauses hereof he is declared liable to pay compensation amounting to the whole of his security deposit and the liability of the Contractor for past and future compensation shall remain unaffected. In the event of the Executive Engineer taking action under sub-clause (a) or (c) of clause 3, he may, if he so desires, take possession of all or any tolls and plants, materials and stores, in or upon the work 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 the Executive Engineer whose certificate thereof shall be final. In the

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

Contractor.

Executive Engineer.

alternative, the Executive Engineer, may, after giving notice in writing to the Contractor or his clerk of the work, foreman or other authorised agent require him to remove such tools and plants, materials, or stores, from the premises within a time to be specified in such notice; and in the event of the contractor failing to comply with any such requisition, the Executive Engineer may remove them at the Contractor's expense or sell them by auction or private sale on account of the Contractor and at his risk in all respects, and the certificate of the Executive Engineer as to the expense of any such removal and the amount of the proceeds and expense of any such sale shall be final and conclusive against the Contractor.

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 grounds, he shall apply in writing to the Executive Engineer before the expiration of the period stipulated in the tender or before the expiration of 30 days from the date on which he was hindered as aforesaid or on which the cause for asking for extension occurred, whichever is earlier and the Executive Engineer or in the opinion of Superintending Engineer or Chief Engineer as the case may be, if in his opinion, there were reasonable grounds for granting an extension, grant such extension as he thinks necessary or proper, the decision of the Executive Engineer in this matter shall be final.

Extension of time

Clause 7: On the completion of the work the Contractor shall be furnished with a certificate by the Executive Engineer (hereinafter called the Engineer-in-charge) of such completion, but no such certificate shall be given nor shall the work be considered to be completed 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, floor or other parts of any building in or upon which the work has been executed, or of which he may have had possession for the purpose of executing the work nor 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 received approval from 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 this clause as to the removal of scaffolding, surplus materials and rubbish and the cleaning of dirt on or before the date fixed for the completion of the work the Engineer-in-charge may at the expense of the Contractor, remove such scaffolding, surplus materials and rubbish and dispose of 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 aforesaid except for any sum actually realised by the sale thereof.

Final certificate.

Contractor.

Executive Engineer.

Payment on Intermediate certificate to be regarded as advances

Clause 8 : No payment shall be made for any work estimated to cost less than Rupees One Thousand till after the whole of work shall have been completed and a certificate of completion given. But In the case of works estimated to cost more than Rupees One advances Thousand the Contractor shall on submitting a monthly bill therefor, be entitled to receive payment proportionate to the part of the work then approved and passed by the Engineer-in-charge, whose certificate of such approval and passing of the sum so payable shall be final and conclusive against the Contractor. All such Intermediate payments shall be regarded as a payment 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 reconstructed or re-erected nor shall any such payment be considered as an admission of the due performance of the contract or any part thereof in any respect or the occurring of any claim nor shall it 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 affect 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 the parties.

Payment at reduced rates on account of items 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.1,000/- 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 cases where the Items of work are not accepted as so completed by the Engineer-in-charge he 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.

Bills 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 works executed in the previous month, and the Engineer-in-charge shall take or cause to be taken the requisite measurements 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 authorised agent whose counter signature to the measurement list shall be sufficient warrant, and the Engineer-In-charge may prepare a bill from such list which shall be binding on the Contractor in all respects.

Bills to be on printed forms.

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.

Contractor.

Executive Engineer.

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 stores of the Department 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 price 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 hereto 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 contract only and the value of full quantity of the materials and the 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 or from the security deposit, or the proceeds of sale thereof if the security deposit is held in Government securities, the same or a sufficient portion thereof shall in that case be sold for the purpose. All materials supplied to the Contractor shall remain the absolute property of the Government and shall on no account be removed from the site of the work, and shall at all times be open for inspection by the Engineer-in-charge. Any such materials unused and in perfectly good condition at the time of completion or termination of the contract shall be returned to the Departmental stores 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 such 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 material.

Stores supplied by Government

Clause 12 (A) : All stores of the control materials such as cement, steel, etc. to be supplied by the Government to the Contractor should be kept by the Contractor under lock and key and will be accessible for inspection by the Executive Engineer or his agent at all times

Clause 13 : The Contractor shall execute the whole and every part of the work in the most substantial and workmanlike manner, and both as regards materials and every other respect in strict accordance with specifications. The Contractor shall also confirm exactly, fully and faithfully to the designs, drawings and instructions in writing relating to the work signed by the Engineer-in-charge and lodged in his office and to which the Contractor shall be entitled to have access for the purpose of inspection at such office, or on the site of the work during office hours. The Contractor will be entitled to receive three sets of contract drawings and working drawings as well as one certified copy of the accepted tender along with the work order free of cost. Further copies of the contract drawings and working drawing if required by him, shall be supplied at the rates **Rs. _____/-** per set of contract drawing and **Rs. _____/-** per working drawing except where otherwise specified

Works to be executed in accordance with specifications, drawings orders etc.

Contractor.

Executive Engineer.

Alteration in specifications and designs not to invalidate contracts.

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

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 may be 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 conditions 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. 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 then 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 does not agree to this rate, he shall by 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 thereto before the rates shall have been determined as lastly hereinbefore mentioned, then in such case he shall only be entitled to be paid in respect of the work carried out or expenditure incurred by him prior to the 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 a dispute the decision of the Superintending Engineer of the Circle will be final.

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

Extension of time in consequence of addition or alterations.

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.

Contractor.

Executive Engineer.

Clause 15 : (1) If at any time after the execution of the contract documents the Engineer-in-charge shall for any reason whatsoever (other than default on the part of the Contractor for which the Government is entitled to resigned the contract) desire 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 or 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 thereof provided that the decision of the Engineer as to the stage at which the work or any part of it could be or could have been safely stopped or suspended shall be final and conclusive against the Contractor. The Contractor shall have no claim to any payment or compensation whatsoever by reason of or in pursuance of any notice as aforesaid, on account of any suspension, stoppage or curtailment except to the extent specified hereinafter.

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

(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 a 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 measurements of the work already done and to pay final bill. Upon giving such notice the Contractor shall be deemed to have been discharged from his 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 Contractor. Such payment shall not in any manner prejudice the right of the Contractor to any further compensation under the remaining provisions of this clause.

(3) Where the Engineer required the Contractor to suspend the work for a period in excess of 30 days at any time or 60 days in the aggregate the Contractor shall be entitled to apply to the Engineer within 30 days of the resumption of work after such suspension for payment of compensation to the extent of pecuniary loss suffered by him in respect of working machinery remained idle on the site or on the 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 first 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.

Contractor.

Executive Engineer.

(4) In 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 a period exceeding 90 days.

OR

- iii) Curtailment in the quantity of item or items originally tendered on account of any alteration, omission or Substitution in the specifications, drawings, designs, or instructions under clause 14 (1) 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. 5,000/-.

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 withdrawal from the contractual obligations under the contract on account of the continued suspension of work or (iii) notice under clause 14 (1) 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 Government to take over on payment such material at the rates determined by the Engineer, provided, however, that such rates shall in no case exceed the rates at which the same was acquired by the Contractor. The Government 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 compensation on account of loss due to delay in supply of material by Government.

Clause 15 (A) : The Contractor shall not be entitled to claim any compensation from Government for the loss suffered by him on account of delay by Government 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 majeure.
- iii) Act of .God.
- iv) Act of enemies of the State or any other reasonable cause beyond the control of Government.

In the case of such delay in the supply of materials, Government shall grant such extension of time for the completion of the works as shall appear to the Executive Engineer to be reasonable in accordance with the circumstances of the case. The decision of the Executive Engineer as to the extension of time shall be accepted as final by the Contractor.

Contractor.

Executive Engineer.

Clause 16 : Under no circumstances whatever shall the Contractor be entitled to any compensation from Government on any account unless the Contractors shall have submitted claim in writing to the Engineer-in-charge within one month of the case of such claim occurring.

Time limit for unforeseen claims.

Clause 17 : If at any time before the security deposit or any part thereof is refunded to the Contractor it shall appear to the Engineer-in-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 the 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 or if so required shall remove the materials or articles so specified and provided 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 one percent on the amount of the estimate for everyday 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 prescribed 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 therefor.

Action and compensation payable in case of bad work

P.W.D. Resolution
No. CAT-1087/CR-94
/Bldg.-2 Dated
14/6/89

Clause 18 : All works under or in course of execution or executed in pursuance of the contract shall at all times be open to inspection and supervision of the Engineer-in-charge and his subordinates, and the Contractor shall at all times during the usual working hours, and at all other times at which reasonable notice of the intention of the Engineer-in-charge and his subordinate to visit the works shall have been given to the Contractor, either himself be present to receive orders and instructions, or have a responsible agent duly accredited in writing present for that purpose. Orders given to the Contractor's duly authorised agent shall be considered to have the same force and effect as if they had been given to the Contractor himself.

Work to be open to inspection

Contractor or responsible agent to be present.

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 covering up or otherwise placing beyond the reach of measurement any work in order that the same may be measured and

Notice to be given before work is covered up.

Contractor.

Executive Engineer.

correct dimensions thereof taken before the same is so covered up or placed beyond the reach of measurement and shall not cover up or place 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 measurement, without such notice having been given or consent obtained the same shall be uncovered at the contractor's expense, and in default thereof no payment or allowance shall be made for such work or for the materials with which the same was executed.

Contractor liable for damage done and for imperfections.

*PWD Resolution No.
CAT-1087/CR-94/
Bldg-2 Dt. 14.6.89*

Clause 20 : If during the period of **24 Months** from the date of completion as certified by the Engineer-in-charge pursuant to clause 7 of the contract or **30 Months** after commissioning the work, whichever is earlier in the opinion of the Executive Engineer the said work is defective in any manner whatsoever the contractor shall forthwith on receipt of notice in that behalf from the Executive Engineer, duly commence execution and completely carry out at his cost in every respect the work that may be necessary for rectifying and setting right the defects specified therein including dismantling and reconstruction of unsafe portions strictly in accordance with and in the manner prescribed and under the supervision of the Executive Engineer. In the event of the Contractor failing or neglecting to commence execution of the said rectification 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 Executive Engineer may 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 forthwith on demand pay to the Government the amount of such cost, charges and expenses sustained or incurred by the Government of which the certificate of the Executive Engineer shall be final and binding on the contractor, such costs, 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 Government the same may be recovered from the Contractor as arrears of land revenue. The Government shall also be entitled to deduct the same from any amount which may then be payable or which may thereafter become payable by the Government to the Contractor either in respect of the said work or any other work whatsoever or from the amount of security deposit retained by Government.

The defect liabilities period in particular for waterproofing treatment (Building work) shall be 7 years.

Contractor to supply plant, ladder, scaffolding etc.

Clause 21 : The Contractor shall supply at his own cost all materials (except such special materials, if any, as may, in accordance with the contract, be supplied from the P.W.D. stores), plant, tools, appliances, implements, ladders, cordage, tackles, scaffolding and temporary works

Contractor.

Executive Engineer.

requisite or proper for the proper execution of the work, whether in the original, altered or substituted form, and whether included in the specification 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 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 and from time to time of the work or the materials. Failing this the same may be provided by the Engineer-in-charge at the expense of the Contractor and expenses may be deducted from any money due to the Contractor under the contract or from his security deposit or the proceeds of sale thereof, or 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 of every suit action or other legal proceedings, at law 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 proceeding to any such person, or which may with consent of the Contractor be paid for compromising any claim by any such person.

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

List of machinery in Contractor's possession and which he proposes to use on the work should be submitted along with the tender.

Clause 21 (A) : The Contractor shall provide suitable scaffolds and working platforms, gangways and stairways and shall comply with the following regulations in connection therewith –

- a) Suitable scaffolds shall be provided for workmen for all works that cannot be safely done from a ladder or by other means.
- b) A scaffold shall not be constructed, taken down or substantially altered except :-
 - i) under the supervision of a competent and responsible person; and
 - ii) as far as possible by competent workers possessing adequate experience in this kind of work;
- c) All scaffolds 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) Scaffolding shall be so constructed that no part thereof can be displaced in consequence of normal use.

Contractor.

Executive Engineer.

- 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, take steps to ensure that it complies fully with the regulations herein specified.
- i) Working platform, gangway, 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 stairways at a height exceeding 2 meters (to be specified),
 - i) Every working platform and every gangway shall be closely boarded unless other adequate measures are taken to ensure safety.
 - 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 a 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 2 meters (to be specified) suitable precautions shall be taken to prevent the fall of persons or materials.
- m) Suitable precautions shall be taken to prevent persons being struck by articles which might fall from scaffolds or other working places.
- n) Safe means of access shall be provided to all working platforms and other working places.
- o) The Contractor/(s) will have to make payments to labourers as per Minimum Wages Act 1948.

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 tackles, including their attachments, anchorages and supports shall

Contractor.

Executive Engineer.

- i) be of good mechanical construction, sound material 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 as a means of suspension shall be of suitable quality and adequate strength and free from patent defect.
- c) Hoisting machines and tackles 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 Government.
- 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 person who is below the age of 21 years shall be in control of any hoisting machine, including any scaffold which gives signals to the operator.
- g) In case of every hoisting machine and of every chain, ring, hook, shackle, swivel and 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 gear referred to in preceding regulation shall be plainly marked with the safe working load.
- i) In the 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.
- j) No part of any hoisting machine or any gear referred to in regulation (g) above shall be loaded beyond the safe working load except for the purpose of testing.
- k) Motors, gearing, transmissions, electric wiring and other dangerous parts of hoisting appliances shall, be provided with efficient safeguards.
- l) Hoisting appliances shall be provided with such means as will reduce to minimum and the risk of the accidental descent of the load.
- m) Adequate precaution shall be taken to reduce to a minimum the risk of any part of a suspended load becoming accidentally displaced.

Clause 22 : The Contractor shall not set fire to any standing jungle, trees, brushwood or grass without a written permission from the Executive Engineer. When such permit is given, and also in the 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 damaging surrounding property. The Contractor shall make his own arrangements for drinking water for the labour employed by him.

Measure for prevention of fire.

Contractor.

Executive Engineer.

Liability of Contractor for any damage done in or outside work area.

Clause 23 : Compensation for all damages done intentionally or unintentionally by Contractor's labour whether in or beyond the limits of the Government 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 estimate of the Engineer-in-charge subject to the decision of the Superintending Engineer on appeal shall be final and the Contractor shall be bound to pay the amount of the assessed compensation on demand, failing which the same will be recovered from the Contractor as damage in the manner prescribed in Clause 1 or deducted by the Engineer-in-charge from any sums that may be due or become due from Government to 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 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 labourers on works in neighbourhood of soldiers' barracks should be avoided as far as possible. The contractor shall employ the labour with the nearest employment exchange.

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 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 to do so, or become insolvent or commence any proceedings to get himself adjudicated and insolvent or make any composition with his creditors, or attempt so to do or if bribe, gratuity, gift, loan, perquisite, reward or advantage, pecuniary or otherwise shall either directly or indirectly be given, promised or offered by the Contractor or any of his servants or agents to any public officer of person in the employment of Government in any way relating to his office or employment, or if any such officer or person shall become in any way directly or indirectly interested in the contract, the Engineer-in-charge may thereupon by notice in writing rescind the contract, and the security deposit of the Contractor shall thereupon stand forfeited and be absolutely at the disposal of Government, and the same consequences shall ensure as If the contract had been rescinded under Clause 3 thereof and in addition the Contractor shall not be entitled to recover or be paid for any work therefore actually performed under the 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 these conditions shall be considered as a reasonable compensation to be applied to the use of Government without reference to the actual loss or damage sustained, and whether any damage has or has not been sustained.

Contractor.

Executive Engineer.

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.

Changes in the constitution of firm to be notified.

Clause 29 : All works to be executed under the contract shall be executed under the direction and subject to the approval in all respects of the Superintending Engineer of the Circle, for the time being, who shall be entitled to direct at what point or points and in what manner they are to be commenced, and from time to time carried on.

Direction and control of the Superintending Engineer.

Clause 30 (1) : Except where otherwise specified in the contract and subject to the powers delegated to him by Government under the code, rules then in the force, the decision of the Superintending Engineer of the Circle for the time being shall be final, conclusive and binding on all parties of the contract upon all questions relating to the meaning of the specifications, designs, drawings and instruction hereinbefore mentioned and as to the quality of workmanship, or materials used on the work, or as to any other question, claim, right, matter or thing whatsoever, if any way arising out of, or relating to the contract, designs, drawings, specifications, estimates, instructions, orders, or these conditions, or otherwise concerning the works, or the execution, or failure to execute the same, whether arising during the progress of work, or after the completion or abandonment thereof.

Direction and control of the Superintending Engineer.

Clause 30 (2) : The Contractor may within thirty days of receipt by him of any order passed by the Superintending Engineer 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 lakhs (Rupees Ten lakhs)
- (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 such order appeal against it to the concerned Secretary, Public Works Department / Irrigation Department who, if convinced that Prima-facia the Contractor's claim rejected by Superintending Engineer / Chief Engineer is not frivolous and that there is some substance in the claim of the Contractor as would merit a detailed examination and decision by the standing committee shall put up to the standing committee at government level for suitable decision. (Vide PW Circular No. CAT-1086-CR-110/Bldg.-2 dated 7.5.1986).

Clause 31 : The Contractor shall obtain from Departmental stores all stores and articles of European or American manufacture which may be required for the work, or any part thereof or in making up any articles required thereof or in connection therewith unless he has obtained permission in writing from the Engineer-in-charge to obtain such stores

Stores of European or American manufacture to be obtained from the Government.

Contractor.

Executive Engineer.

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 rates shown in the Schedule in Form 'A' attached to the contract and if they are not entered in the said schedule, they shall 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 in obtaining delivery of the same at the stores aforesaid.

Lumpsums in estimates.

Clause 32 : When the estimate on which a tender is made includes lumpsums in respect of parts of the work, the Contractor shall be entitled to payment in respect of the items of work involved or the part of the work in question at the same rates as are payable under this contract for each items, 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 lumpsum 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.

Actions where no specifications.

Clause 33 : In the case of any class of work for which there is no such specification as is mentioned in Rule 1 of Form B-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 respect in accordance with all 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 contraction, be construct to mean the work or works contracted to be executed under or in virtue of the contract, whether temporary or permanent and whether original, altered, substituted or additional.

Contractor's 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.

*Payment of quarry fees and royalties.
G.R. No. Misc. 02/05/
(291) Building-2,
dated 11/9/2003*

Clause 36 : All quarry fees, royalties, octroi dues and ground rent for staking materials, if any, shall be paid by the Contractor. (Revenue and Forests Department, No. Gaukhani 10/0206/C.R.-57/kh(1)- Mantralaya, Mumbai 400 032, dated 15 December 2006).

Compensation under Workmen's Compensation Act.

Clause 37 : The Contractor shall be responsible for and shall pay any compensation to his workmen payable under the Workmen's Compensation Act, 1923 (VIII of 1923), (hereinafter called the said Act) for injuries caused to the workmen. If such compensation is payable / paid by the Government as principal under sub-section (1) of

Contractor.

Executive Engineer.

Section 12 of the said Act on behalf of the Contractor, it shall be recoverable by the Government from the Contractor under sub-section (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 workman who may suffer a bodily injury as a result of an accident. If such expenses are incurred by Government the same shall be recoverable from the Contractor forthwith and be deducted without prejudice to any other remedy of the Government from any amount due or that may become due to the Contractor.

Clause 37 (B) : The Contractor shall provide all necessary personal safety equipment and first aid apparatus available for the use of the persons employed on the site and shall maintain the same in condition suitable for immediate use at any time and shall comply with the following regulations in connection therewith.

- a) The workers shall be required to use the equipment's 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 subjected to all the liabilities and penalties provided by said Act and said Rules.

(Govt. Circular No.
PWD. IID. CAT-
6076/ 3336/ (400)
Bldg.-2. Dated
16/08/1985

Clause 38 : 1. Quantities in respect of the several items shown in the tender are approximate and 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 specifications prescribing a different percentage of permissible variation in the quantity of the item does not exceed the tender quantity by more than 25 percent 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. 5,000/-.

*Claim for quantities
entered in the tender
or estimates.*

Contractor.

Executive Engineer.

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 above in sub clause (i) hereof on the same conditions as and in accordance with the specifications in the tender and at the rates (i) derived from the rates entered in current schedule of rates and in the absence of such rates (ii) at the rates prevailing in the market. The said rates being increased or decreased as the case may be by the percentage which the total tendered amount bears to the estimated cost of the works as put to 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 worked out at current Schedule of Rates at the time of acceptance of tender.

3. Claims arising out of reduction in the tendered quantity of any item beyond 25 percent will be governed by the provision of Clause 15 only when the amount of such reduction beyond 25 percent at the rate of the item specified in-the tender is more than Rs. 5,000/-. (The clause is not applicable to extra items.)

4. This clause is not applicable to extra items.

5. There is no change in the rate if the excess is more than 25 percent of the tendered quantity. But the value of the excess work at the tendered rates does not exceed Rs. 5,000/-.

6. The quantities to be paid at the tendered rates shall include :
a) Tendered quantity plus
b) 25% excess of tendered quantity or the excess quantity of the value of Rs.5,000/- at tendered rate whichever is more. The operation of this clause shall be with reference to each sub work as one unit and not with reference to the whole work.

NOTE :-

Excess Quantity if required to be executed only after permission of the Competent authority.

*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 the work

Clause 40 : No compensation shall be allowed for any delay caused in the starting of the work on account of acquisition of land or, in the case of clearance works, on account of any delay in accordance to sanction of estimates.

Claim for Compensation for delay in execution of work.

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

Contractor.

Executive Engineer.

Clause 42 : The Contractor shall not enter upon or commence any portion of work except with written authority and instructions 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.

Entering upon or commencing any portion of work.

Clause 43 : i) No contractor shall employ any person who is under the age of 18 years.

Minimum age of persons employed, the employment of donkeys and / or other animals and the payment of fair wages.

- ii) No Contractor shall employ donkeys or other animals with breaching of string or thin rope. The breaching must be at least three inches wide and should be of tape (Newer).
- 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 authorised to remove from the work, any person or animal found working which does not satisfy these conditions and no responsibility shall be accepted by the Government 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 executive Engineer who shall decide the same. The decision of the Executive Engineer shall be conclusive and binding on the Contractor but such decision shall not in any way affect the conditions in the contract regarding the payment to be made by the Government at the sanctioned tender rates.
- vi) 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) Contractor to take precautions against accidents which take place on account of labour using loose garments while working near machinery.
- viii) All facilities provided in the Contract Labour (Regulation and Abolition Act 1970) the Maharashtra Contract Labour Regulation and Abolition Rule 1971 should be provided.

Clause 44 : Payment to Contractors shall be made by NEFT/RTGS mode only.

Method of payment.

Clause 45 : Any Contractor who does not accept these conditions shall not be allowed to tender for work.

Acceptance of conditions compulsory before tendering for work.

Contractor.

Executive Engineer.

Employment of scarcitylabour etc.

Clause 46 : If Government declares a state of scarcity or famine to exist in any village situated within 10 miles 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 Executive Engineer, or by any person to whom the Executive Engineer may have delegated this duty in writing to be in need of relief and shall be bound to pay to such person wages not below the minimum which Government may have fixed in this behalf. Any disputes which may arise in connection with the implementation of this clause shall be decided by the Executive Engineer whose decision shall be final and binding on the Contractor.

Clause 47 : The price quoted by the Contractors shall not in any case exceed the control price, if any, fixed by Government or reasonable price which it is permissible for him to charge a private purchaser for the same class and description, the control price or the price permissible under the provisions of Hoarding and Profiteering Prevention Ordinance, 1948 as amended from time to time. If the price quoted exceeds the controlled price or the price permissible under Hoarding and Profiteering Prevention 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 exercise the right of revising the price at any stage so as to conform with the controlled price as 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.

*Maharashtra P.W.D.
Resolution No. BDG-
2005/CR-324 Bldg-2
Dated 3rd, March
2006*

Clause 47 (A) :

- a) The bidder shall quote his rate consider the provisions counted under GST ACT 2017. ***GST at 18 % will be paid extra on work Estimated cost.***
- b) Provisional account of GST 2 % i.e. CGST 1 % + SGST 1 % will be deducted at source (T.D.S.) after the enforcement of Section 51 of Maharashtra Good and Service Tax Act 2017.
- c) Bidders shall quote his rate excluding GST.
- d) GST shall be paid on the amount of bill of the work done as per prevailing guidelines rate of GST during the period of work done as applicable.
- e) The rates quoted by the contractor shall be deemed to be inclusive of the labour welfare cess and other taxes (Other than GST) that the contractor will have to pay for the performance of this contract. The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable Law.

Clause 48 : The rates quoted by the Contractor must inclusive of all other relevant taxes. (Other than GST) No extra payment of this account will be made to the Contractor.

Clause 49 : In case of materials that may 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 sales tax and the sales tax will be recovered on such sale.

*PWD Government
Resolution No. CAT/
1097/CR-478/ Bldg-2
/Mantralaya/ Dated
23rd March 1998*

Clause 50 : The contractor shall employ the unskilled labour to be employed by him on the said work only from locally available labour and shall give preference to those persons enrolled under Maharashtra Government Employment and Self Employment Department Scheme. Provided, however, that if the required unskilledlabours are not

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available locally, the contractor shall in the first instance employ such number of persons as is available and thereafter may with previous permission, in writing of the Executive Engineer-in-charge of the said work, obtain the rest of requirement of unskilled the labour from outside the above scheme.

Clause 51 : Wages to be paid to the skilled and unskilled labourers engaged by the Contractor.

The Contractor shall pay the labourers -skilled and unskilled - according to the wages prescribed by Minimum Wages Act, 1948 applicable to the area in which the work of the Contractor is in progress.

The Contractor shall comply with the provisions of the Apprentices Act, 1961 and the Rules and Orders issued thereunder from time to time, if he fails to do so, his failure will be a breach of the contract and the Superintending Engineer may in his discretion may cancel 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.

The Contractor shall pay the labourers - skilled and unskilled - according to wages prescribed by Minimum Wages Act, 1948 applicable to the area in which the work is in progress.

Clause 52 : All amounts whatsoever which the Contractor is liable to pay to the Government 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 Government to the Contractor (ii) hire charges in respect of heavy plant, machinery and equipment given on hire by the Government to the Contractor for execution by him of the work and/ or which advances have been given by the Government to the Contractor shall be deemed to be arrears of land revenue and the Government may without prejudice to any other rights and remedies of the Government recover the same from the Contractor as arrears of land revenue.

*Government Circular
No. CAT 1274/40364/
Desk-2 Mantralaya
Mumbai-400032.
Dated 07/12/1976*

Clause 53 : The Contractor shall duly comply with all the provisions 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 statues, and statutory provisions 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 Maharashtra Contract Labour (Regulation and Abolition) Rules. 1971. If the Contractor fails or neglects to pay wages at the said rates or

*Government Circular
No: CAT 1284:(120)
Building-2 Mantralaya
Bombay-400032
Dated 14/08/85*

Contractor.

Executive Engineer.

makes short payment and the Government makes such payment of wages in full or part thereof less paid by the Contractor, as the case may be, the amount so paid by the Government to such workers shall be deemed to be arrears of land revenue and the Government shall be entitled to recover the same as such from the Contractor or deduct the same from the amount payable by the Government to the Contractor hereunder or from any other amounts payable to him by the Government.

Clause 54 : The Contractor shall engage apprentice such as brick layer, carpenter, wiremen, plumber, as well as blacksmith by recommended by the State Apprenticeship Advisor Director of Technical Education, Dhobi Talaw, Mumbai 400001. In the construction work (as per Government of Maharashtra, Education Department No. TSA/5170/T/56689, dated 7.7.1972).

Clause 55 : (Government of Maharashtra P.W.D. Resolution No. CAT-1086/CR-243/ K/Bldg. 32 dated 11.8.1987).

CONDITIONS FOR MALARIA ERADICATION, ANTI-MALARIA AND OTHER HEALTH MEASURES

- a) The anti-malaria and other health measures shall be as directed by the Joint Director (malaria and filaria) of Health Services, Pune.
- b) The Contractor shall see that mosquitogenic conditions are not created so as to keep vector population to minimum level.
- c) The Contractor shall carry out ant-malaria measures in the area as per guidelines prescribed under National Malaria Eradication Programme and as directed by the Joint Director (Malaria and Filaria) of Health Services, Pune.
- d) In case of default in carrying out prescribed anti-malaria measures resulting in increase in malaria incidence. Contractor shall be liable to pay to Government the amount spent by the Government on anti-malaria measures to control situation in addition to fine.

e) RELATION WITH PUBLIC AUTHORITIES

The Contractor shall make sufficient arrangements for draining away the sewerage 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 the premises clean by employing sufficient number of sweepers. The Contractor shall comply with rules, regulations, bye-laws and directions given from time to time by any local or public authority in connection with this work and shall pay fees or charges which are leviable on him without any extra cost to Government. (Government of Maharashtra P.W.D. Resolution No. CAT-1086/CR-243/D/Bldg.2 Mantralaya, Mumbai. dt. 11.9.1987)

Contractor.

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Clause 56 : CONDITION RELATING TO INSURANCE OF CONTRACT WORK

The Contractor Shall take out necessary Insurance Policy / Policies (viz. Contractors' All Risks Insurance Policy, Erection All Risks Insurance Policy etc. as decided by the Directorate of Insurance) so as to provide adequate insurance cover for execution of the awarded contract work for total contract value and complete contract period **COMPULSORILY** from the **"Directorate of Insurance, Maharashtra State, Mumbai"** only. Its postal address for Correspondence is **"264, MHADA, First Floor, Opp. Kalanagar, Bandra (East), Mumbai-400 051"** (Telephone Nos. **022-26590403 / 26590690** and Fax No. is **022-26592461 / 26590403**). Similarly, all workmen's' appointed to complete the contract work are required to insure under workmen's' compensation Insurance Policy. Insurance policy / policies taken out from any other Company will not be accepted, if any Contractor has not taken out the insurance policy from the **"Directorate of Insurance, Maharashtra State, Mumbai"** or has effected Insurance with any Insurance Company, the same will not be accepted and **1% of the tender amount or such amount of premium** calculated by the Government Insurance Fund will be recovered directly from the amount payable to the Contractor for the executed contract work and paid to the Directorate of Insurance Fund, Maharashtra State, Mumbai. The Director of Insurance reserves the right to distribute the risks of insurance among the other insurers.

INSURANCE

1. The contractor shall provide Contractor's All Risk Insurance (CAR), in the joint names of the Employer and the contract Insurance cover from the Start Date to the end of the Defects Liability Period in the amounts as deductible stated in the Contract Data for the following events which are due to the Contractor risk.

- (a) Loss of or damage of the Works, Plant and Materials;
- (b) Loss of or damage of Equipment;
- (c) Loss or damage of property (except the Works, Plant, Materials and Equipments in connection with the Contract; and
- (d) Personal Injury or death of any personnel employed by the contract is during execution and maintenance defect liability period. employee of PWD, any person using the faculty created by the contract during the construction and defect liability period.

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

3. If the Contractor does not provide any of the policies and

Contractor.

Executive Engineer.

certificated required, the employee may affect the insurance which the Contractor should have provided and recover premiums the Employer has paid from payments otherwise due to the Contractor of it's payment is due, the payment of the premiums shall be a debt due shall be recoverable from the bills and deposits of the contractor of any work In Maharashtra and If no dues in work than as arrears of land revenue.

4. Alternations to the terms of Insurance shall not be made without the approval of the Engineer.

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

Clause 57 - Building and Other Construction Workers Welfare Cess

As per Government of Maharashtra, Industry, Energy & Labour Dept. G.R. No. BLA 2009/Pra.Kra.108/Kamgar-7A,dt. 17/6/2010 & Public Works Department Circular No. BDG-2010/Pra.kra. 277/Building-2, dated 28/09/2010, Building and Other Construction Workers Welfare Cess **at one percent** or at the rates amended from time to time as intimated by the competent authority under Building and Other Constructions Worker Welfare Act 1996 will be deducted from the Bill amount, whether measured Bill, advance payment or Secured Advance.

*Government in P.W.
Dept. letter (in
Marathi) No. Misc./
10/ 09 / Pra.Kra.277/
Bldg.-2, Mantralaya,
Mumbai.32 dated
17/08/2010.*

Contractor.

Executive Engineer.

SCHEDULE - 'A'

Contractor.

Executive Engineer.

NAME OF WORK :-

Renovation of Babasaheb Ambedkar Regional Training Institute (BARTI) campus, 28 Queens Garden, Camp, Pune-1.

S C H E D U L E - " A "

Schedule showing (approximately) the material to be supplied from the departmental stores for work contracted to be executed and preliminary and ancillary works and the rates at which they are to be charged for

Sr. No.	Particulars	Quantity	Unit	Rates at which the materials will be charged to the contractor		Place of delivery	Remarks
				In figure	In words		
-----NIL-----							
Note - The Material, cement, steel which is brought on site for work should be recorded in M.B. with purchases bill and testing of material should be attached to bill.							

Contractor.

Executive Engineer.

ADDITIONAL CONDITIONS FOR MATERIALS
(CEMENT M. S. /H. Y. S. D. & T.M.T BARS, ASPHALT, R.C.C. PIPES
ETC. BROUGHT BY CONTRACTOR)

Condition for procurement of bitumen for the work

1. Contractor is allowed to purchase bitumen required from the work for any of the following agencies.

- i) Oil refineries in public sector (Government of Indian Undertaking)
- ii) Local Suppliers of bitumen of contractors.
- iii) Indian suppliers or dealers of foreign oil refineries.

2. Contractor can procure VG-30 grade bitumen as per requirement of the works as given below.

Sr.No.	Quantity of bitumen required for the work	Source of supply of bitumen
1.	Less than 500 metric tones	1. Local suppliers of bitumen 2. Authorized dealers / Suppliers of Oil Refineries' in Public Sector (Government of India undertaking) or Private refineries. 3. Bitumen suppliers or contractors who stock the bitumen in large quantity.
2.	More than 500 Metric tones	1. Oil refineries in Public Sector (Government of India undertaking) Can be purchased directly from refinery. 2. Private Oil Refineries- Can be purchased directly from refinery. 3. Suppliers or contractors who purchase the bitumen from oil refineries and stock.

3. Contractor shall abide by the following terms and conditions regarding procurement of bitumen for the work.

I) Bitumen used for the work shall be of required viscosity grade as per specification of Indian Standard Code IS : 73 – 2013.

II) Contractor shall submit bill invoice (with GST) and consignee receipt certificate (CRC) in triplicate Name of work for which the bitumen has been used, shall be mentioned on this certificate. Contractor shall also submit required certificate and purchase order of bitumen supplied.

III) For every batch of bitumen supplied on work site, reports of prescribed test on bitumen conducted in the refinery shall be obtained and submitted to the engineer-in-charge by the contractor. Contractor shall also carry out the required tests on bitumen received on the work site in this own laboratory and submit the test reports to the Engineer-in-charge.

Contractor.

Executive Engineer.

IV) For work costing more than Rs. 5.00 Crores, contractor shall make provision for conducting following test on bitumen procured on work site.

Penetration test.
Softening test.
Separation test.
Elastic recovery test.
Adulteration test.

4. Price Variation of asphalt will be paid / recovered as per conditions mentioned in Star Rate Clause, if there is provision of this clause in the tender document.
5. Contractor can purchase cement from manufacturer or his authorized dealer.
6. Price Variation of Cement will be assessed and paid or recovered as per Star Rate mentioned in Tender and rate of cement actually purchased for the work, if there is provision of this clause in the tender document.
7. Contractor can purchase steel from any reputed steel manufacturer (such as SAIL, TATA STEEL, ISPAT or any other manufacturer recognized by government) or their authorized dealers.
8. Price Variation of Steel will be paid or received as per Star Rate mentioned in Tender and actual rate of steel purchased for the work if there is provision of this clause in the tender.
9. Contractor shall submit Tax invoice with GST number for the asphalt or any other material purchased for the work from private refineries, public sector refineries or private importer agencies.
10. Contractor shall be solely responsible for genuineness / correctness of vouchers, tax invoices of asphalt, cement , steel etc. purchased by him through any source Public Works Department Junior Engineer /Sectional Engineer / Deputy Engineer/ Executive Engineer of any other Officers / Staff will not be responsible for genuineness / correctness of the tax invoices and any other supporting documents submitted by contractor for purchase of material.
11. If any tax invoice or other supporting document of material purchased is found suspicious. Executive Engineer is empowered to verify and if found forged / false, file criminal case as per Criminal Procedure Code against the contractor even though contractor is paid final bill.
12. If any tax invoice or other supporting document of material purchased seems to be suspicious Executive Engineer or empowered to verify the same & if it is found forged / false. Executive Engineer will be file the criminal case against the contractor as per criminal procedure code.
13. If any tax invoice, its supporting documents of material supplied is found forged / false, criminal proceeding shall be initiated against that contractor and contractor shall be black listed forever for all works in PWD.

Contractor.

Executive Engineer.

14. Testing of Cement, Steel and other construction material as per required frequency are to be conducted as per quantity of material required for the work. Out of total tests 30% tests are to be carried out in PWD laboratory and the remaining 70% tests are to be carried out in the contractor's laboratory at site of work. If contractor has not erected laboratory at site of work then tests are to be carried out in laboratory of Engineering Colleges or Government Laboratory.

15. Contractor shall also be responsible for carrying out the other specific tests mentioned in the tender documents.

16. For the works costing Rs. 5.00 crore or more, contractor who are having facility to conduct required asphalt tests and has other modern machinery required for asphalt tests will only be qualified for opening of financial envelope.

17. Contractor is responsible for submission of tax invoices and other supporting documents in 4 copies upto 5th date of next month to the concerned Subdivision. If contractor does not submit tax invoices and any other required document as mentioned above within time, contractor himself will be responsible for delay of bill payment. One copy of the tax invoice signed by the Executive Engineer will be returned to contractor for tax audit purpose.

18. Contractors bills are based and paid on the measurements of completed items executed. Therefore, there is no need to record measurements of asphalt in measurement book. However, contractor shall submit material wise abstract in prescribed format for material consumed and tax invoice and other documents of purchase. This consumption statement will be checked by Divisional Accountant and Executive Engineer with respect to quantities of material mentioned in supporting vouchers. Further, contractor shall also submit certificate stating that Tax invoices and other documents submitted with bills are not false / forge. This certificate shall be attested by Divisional Accountant and Executive Engineer. In future, if these tax invoices and any other documents is found false/ forge, criminal case to be filed against the contractor.

Other conditions for Material

19. The material not conforming to the required standard shall be removed at once. From the site of work by the contractor at his own cost. All the materials such as Asphalt, Cement etc. required for use in the work shall be conforming to the relevant I.S. / M.O.R.T &H. Specifications. The Contractor shall get necessary tests carried out to the frequency specified for each material in the specification and submit the test results to the Engineer-in-charge or his authorised representative. These materials shall be used on work by the Contractor, only if the test thereof are found satisfactory to the results by Engineer-in-charge or his authorised representative. For the purpose of daily testing of material, such metal, sand, rubble etc., the Contractor shall make his own arrangements to install a well equipped Laboratory at the site of work at his own cost. The contractor shall employ qualified personnel at the site of work at his own cost. The responsibility of carrying out tests to the required frequency specified for each material shall rest with the Contractor.

20. The Contractor shall construct at his own cost shed/ sheds as per directions of Engineer-in-charge of the work for storing the materials and provide double

Contractor.

Executive Engineer.

locking arrangements. The Store shed such constructed shall be removed on completion of work. The contractor shall take all necessary steps to guard the materials brought by him.

21. The contractor shall make his own arrangement for the safe custody of the materials brought by him on site of work.

22. The charges for conveying of materials from the place of purchase by the Contractor to the site of work and the actual spot on the work site shall be entirely borne by the contractor. No claims on this account shall be entertained.

23. The material required only for this work shall be kept in the godown at site. No material shall be shifted outside the godown, except for the work for which this arrangement is done, without prior approval of the Engineer-in-charge.

24. The Contractor shall produce sufficient documentary evidence i.e. Tax invoice 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.

25. All these material i.e. cement, steel etc. shall be protected from any damages, rains etc. by the contractor at his own cost.

26. The contractor will have to erect temporary shed of approved specifications for storing of above materials at work site at contractors cost having double lock arrangements (By Double Lock - it is meant that godown shall always be locked by two locks, one lock being owned & operated by Contractor and other by Engineer-in-charge of his authorised representative & the door shall be openable only after both locks are opened.)

27. If required, the weighment of cement bags / steel / bulk asphalt bouzers etc. brought by the Contractor shall be carried out by the contractor at his own cost.

28. The Government 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 Metre 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 made good by the contractor at his cost.

29. ANNEXURE FOR R.C.C. PIPE PROCUREMENT : The **R.C.C. pipes** required for the work shall be procured from the **MISSIDC only**. The payment towards providing and fixing **NP2 / NP3 / NP4 pipes** will be released only after the contractor submits the bill of **MISSIDC** to authenticate that the pipes have been purchased from the **MISSIDC**. No payment towards the item of providing and laying of the pipe will be released in absence of the submission of the requisite document. After completion of these items in the particular kilometer the withheld payment will be finally released.

30. In case the material 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 Engineer-in-charge.

31. Empty asphalt drums shall be the property of the Contractor and the same shall be removed immediately after completion of work.

Contractor.

Executive Engineer.

32. The Contractor shall make his own arrangement for supply of materials including bitumen , cement and steel , RCC pipes / Collars. The Contractor shall be responsible for all transportation and storage of the materials at the site and shall bear all the related costs. The Engineer shall be entitled at any time, to inspect or examine all such materials. The Contractor shall provide reasonable assistance for such inspection or examination as may be required.
33. The Contractor shall keep as accurate record of use of materials like bitumen, cement and steel used in the works in a manner prescribed by the Engineer.
34. If there is any doubt regarding the material received on the work site, the same should be get tested from the Government laboratory at the cost of the Contractor, and if the results are substandard, the material or the work executed with such material will be rejected.
36. The testing charges shall be entirely borne by the Contractor.

Contractor.

Executive Engineer.

SPECIAL ATTENTION OF CONTRACTOR FOR EXECUTION

Procurement of Material :

Department will not supply any material for execution of work such as Cement, Tor Steel, Asphalt etc. The contractor has to arrange the same from his own source. The quality of the material brought to the site by the contractor should be verified through the various tests provided as per relevant Indian Standards at the cost of the contractor.

The adjustment for variation in cost prices of Mild steel and Tor steel bars, structural steel, cement (all tested quality) shall be separately made corresponding to the difference in the cost as per the basic price mentioned hereafter as per Price Variation Clause.

The contractor shall construct shed/sheds at his own cost and as per direction of Engineer-in-charge for storing the materials brought by him and provide double locking arrangements, one lock shall be in the charge of departmental person and the material shall be taken for use in presence of the departmental person only.

ENSURING GRADE OF ASPHALT BROUGHT ON SITE BY THE CONTRACTOR

It shall be mandatory on the part of the contractor to procure the asphalt from Government owned Refinery only. The contractor shall communicate the schedule of arrival of bouzer of asphalt to the Engineer- in-charge in advance. Apparatus and equipment for testing grade of asphalt shall be made available by the contractor at site. If the grade of asphalt is found as per specification written permission will be given for unloading the bouzer by the Engineer –in-charge , otherwise written instructions will be given for not using the same on site. (Please refer Government Circular (Marathi) No. Misc 2005/CR-187/ N.H.2, dated 8/10/2007.

Contractor.

Executive Engineer.

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 **Pune** Centre as per the Labour Gazette published by the Commissioner of Labour, Government of Maharashtra and / or in the wholesale Price Index for all commodities prepared by the Office of Economic Adviser, Ministry of Industry, Government of India, or in the price 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) HYSD & Mild Steel Component (6) Cement Component (7) C.I. and D.I. Pipes 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 is as of the total cost of work put to tender. **Total of Labour, Material and POL components shall be 100 and other components shall be as per actual.**

(1) Labour Component	:	K ₁	Civil	%
(2) Material Component	:	K ₂	Civil	%
(3) POL Component	:	K ₃	Civil	%
				100.00 %
(4) Bitumen Component	:			Actual
(5) HYSD & Mild Steel Component	:			Actual
(6) Cement Component	:			Actual
(7) C.I. and D.I. Pipes Component	:			Actual

Note : If Cement, Steel, Bitumen, C.I. & D.I. Pipes are supplied on Schedule 'A' then respective component shall not be considered. Also if particular component is not relevant same shall be deleted.

1. Formulae for Labour Component :

$$V_1 = 0.85 \times P \times \left(\frac{K_1}{100} \times \frac{I_1 - I_0}{I_0} \right) \quad \text{Where,}$$

V₁ = Amount of Price Variation in rupees to be allowed for Labour Component.

P = Cost of work done during the quarter under Consideration minus the cost of Cement, HYSD and Mild Steel, bitumen, C.I. and D.I. Pipes calculated at the basic star rates as applicable for the tender, consumed during the quarter under consideration. **(These star rates shall be specified here)**

Contractor.

Executive Engineer.

(1) Cement	:	Rs. 6,000/ M.T.
(2) TMT Fe500	:	Rs. 61,000/ M.T.
(3) Structural Steel	:	Rs. 62,575/ M.T.
(4) VG 30 Bitumen	:	Rs. 49,862/ M.T.

~~K₁ = Percentage of Labour Component as indicated above.~~

~~L₀ = Basic consumer price index for Pune centre shall be average consumer price index for the quarter preceding the month in which the last date prescribed for receipt of tender, falls.~~

~~L₁ = Average consumer price index for Pune centre for the quarter under consideration.~~

~~2. Formulae for Materials Component :~~

$$\underline{V_2 = 0.85 P \left(\frac{K_2}{100} \times \frac{M_1 - M_0}{M_0} \right)} \quad \text{Where,}$$

~~V₂ = Amount of Price Variation in rupees to be allowed for Materials Component.~~

~~P = Same as worked out for labour component.~~

~~K₂ = Percentage of Material Component as indicated above.~~

~~M₀ = Basic wholesale price index shall be average wholesale price index for the quarter preceding the month in which the last date prescribed for receipt of tender, falls.~~

~~M₁ = Average wholesale price index during the quarter under consideration.~~

~~3. Formula for Petrol, Oil and Lubricant Component :~~

$$\underline{V_3 = 0.85 P \left(\frac{K_3}{100} \times \frac{P_1 - P_0}{P_0} \right)} \quad \text{Where,}$$

~~V₃ = Amount of Price Variation in rupees to be allowed for POL Component.~~

~~P = Same as worked out for labour component.~~

~~K₃ = Percentage of Petrol, Oil and Lubricant Component.~~

~~P₀ = Basic wholesale price HSD at Mumbai during the quarter preceding the month in which the last date prescribed for receipt of tender, falls.~~

~~P₁ = Average price of HSD at Mumbai during the quarter under consideration.~~

~~4. Formulae for Bitumen Component :~~

Contractor.

Executive Engineer.

$$V_4 = QB (B_1 - B_0) \quad \text{Where,}$$

V_4 = Amount of Price Variation in rupees to be allowed for **Bitumen** Component.

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

B_1 = Current, average ex-refinery price per metric tonne of Bitumen (Grade...) under consideration including taxes (octroi, excise sales tax) during the quarter under consideration.

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 including taxes (octroi, excise sales tax) 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.

5. Formulae for H.Y.S.D. and Mild Steel Component :

$$V_5 = \frac{S_0 (SI_1 - SI_0)}{SI_0} \times T \quad \text{Where,}$$

V_5 = Amount of Price Variation in rupees to be allowed for **H.Y.S.D. / Mild Steel** Component.

S_0 = Basic rate of H.Y.S.D. / Mild Steel in rupees per metric tonne 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.

6. Formulae for Cement Component :

$$V_6 = \frac{C_0 (C_1 - C_0)}{C_0} \times T \quad \text{Where,}$$

V_6 = Amount of Price Escalation in rupees to be allowed for **Cement** Component.

C_0 = Basic rate of cement in rupees per metric tonne as considered for working out value of P.

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~~C_{I_1} = Average Cement Index published in the RBI bulletin for the quarter under consideration.~~

~~C_{I_0} = Average of Cement Index published in the 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.~~

7. Formulae for C.I./D.I. Pipe Component :-

~~$V_7 = Q_d (D_1 - D_0)$ Where,~~

~~V_7 = Amount of Price Escalation in rupees to be allowed for C.I./D.I. pipe Component.~~

~~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 HSCO)~~

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

(II) THE FOLLOWING CONDITIONS SHALL PREVAIL :-

- ~~(i) The operative period of the contract shall mean the period commencing from the date of the work order issued to the Contractor and ending on the date on which the time allowed for the completion of the works specified in the Contract for work expires, taking into consideration the extension of time, if any, for completion of the work granted by the Engineer under the relevant clause of the Conditions of Contract in cases other than those where such extension is necessitated on account of default of the Contractor. The decision of the Engineer as regards the operative period of the Contract shall be final and binding on the Contractor. Where any compensation for liquidated damages is levied on the Contractor on account of delay in completion or inadequate progress under the relevant Contract provisions, the price adjustment amount for the balance of work from the date of levy of such compensation shall be worked out by pegging the indices $L_1, M_1, C_1, P_1, B_1, S_1$ and C_{I_1} to the levels corresponding to the date from which such compensation is levied.~~
- ~~ii) This price variation clause shall be applicable to all contracts in B₁ / B₂ and C from but shall not apply to 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 of items payable under the provisions of Clause 38/37 of the contract form B₁/B₂ respectively. Since the rates payable for the extra items or the extra quantities~~

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~~under Clause 38/37 are to be fixed as per the current D.S.R. or as mutually agreed 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 38/37 of the contract from B₁/B₂ extends beyond the operative date of the D.S.R. then rates payable for the same beyond that date shall be revised with reference to the current D.S.R. 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 Government 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.~~

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SPECIAL GENERAL CONDITIONS AND SPECIFICATIONS

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ADDITIONAL GENERAL CONDITIONS AND SPECIFICATIONS

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

1. CONTRACTOR TO INFORM HIMSELF FULLY :-

The Contractor shall be deemed to have carefully examined the work and site conditions including labour, the general and the special conditions, 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 rates quoted in the tender. In this regard, he will be given necessary information to the best of knowledge of Department but without any guarantee about it. If he shall have any doubt as to the meaning of any portions of these general conditions or the special conditions, or the scope of work or 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 **Executive Engineer, Pune Public Works Division, Pune-1** in writing in order that such doubts may be clarified authoritatively before tendering. Once a tender is submitted, the matter will be decided according to tender conditions in the absence of such authentic pre clarification.

2. INDEMNITY :-

The Contractor shall indemnify the Government against all actions, suits, claims and demands brought or made against him 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 Government in consequence of any action or suit being brought against the Contractor for anything done or committed to be done in the execution of the work of this contract. The Government may at its discretion and entirely at the cost of the contractor defend such suit, either jointly with the Contractor or single in case the latter chooses not to defend the case.

3. DEFINITIONS :-

Unless excluded by or repugnant to the context.

a) The expression "**Government**" as used in the tender papers shall mean the Public Works, Irrigation and Housing Department of the Government of Maharashtra.

b) The expression "**Chief Engineer**" as used anywhere in the tender papers shall mean Chief Engineer of the Government of Maharashtra who is designated as such.

c) The expression "**Superintending Engineer**" as used in the tender papers shall mean an officer of Superintending Engineer's rank (by whatever designation he may be known) under whose control the work lies for the time being.

d) The expression "**Engineer**" or "**Engineer-in-charge**" as used in the tender papers shall mean the Executive Engineer-in-charge of the work for the time being.

e) The expression "**Contractor**" used in the tender papers shall mean the successful tenderer whose tender has been accepted, and who has been authorised to proceed with the work. The contractor shall/ may be the individual or firm or company whether incorporated or not, undertaking the work and shall include legal representatives of such an individual or

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person comprising such firm or company as the case may be and permitted assigns of such individual or firm or company.

f) The expression "**Contract**" as used in tender papers shall mean the deed of contract together with its original accompaniments and those latter incorporated in it by mutual consent. The contract shall mean the notice offender the sealed quotation and the tender documents including the tender and acceptance thereof together with the documents referred to therein and the accepted conditions, specifications, designs, drawing, priced schedule / bill of quantities and schedule of rates. All these documents taken together shall be deemed to form one contract and shall be complementary to one other.

g) The expression "**Plant**" as used in the tender papers shall mean every temporary and 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 thereof.

h) "**Drawings**" shall mean the drawings referred to in the specifications and any modifications of such drawings approved in writing by Engineer and such other drawings as may from time to time be furnished or approved in writing by the Engineer.

i) "**Engineer's representative**" shall mean an assistant of the Engineer notified in writing to the Contractor by the Engineer.

j) "**Provisional sum**" or "**Provisional lump sum**" shall mean a lump sum included by Government in tender documents and shall represent the estimated value of work for which details are not available at the time of issue of tender.

k) "**Provisional items**" shall mean items for which approximate quantities have been included in the tender documents.

l) 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 Government or used for the purpose of contract.

m) 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 or additional, altered or substituted works as required for performance of the Contract.

n) The "**Contract Sum**" shall mean the sum for which the tender is accepted.

o) The "**Accepting Authority**" shall mean the officer competent to accept the tender.

p) The "**Day**" shall mean a day of 24 hours from midnight to midnight irrespective of the number of hours worked in any day in that week.

q) "**Temporary works**" shall mean all temporary works of every kind required in or about the execution, completion, or maintenance of the works.

r) "**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.

s) A "**Week**" shall means seven consecutive days without regards to the member of hours worked on any day in that week.

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t) "Excepted Risks" are risks to riots (other wise than among contractors employees) and civil commotions (in so far as both these are uninsurable) war (Whether declared or not) invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, lightning and unprecedented floods over which the contractor has no control and accepted as such by the accepting authority. Where the context so requires, words importing the singular number only also include the plural number 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 of 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".

4. ERRORS, OMISSIONS AND DISCREPANCIES :-

a) In case of errors, omissions, and / or disagreement between written and scaled dimensions on the drawing or between 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 or dimensions in the drawing and corresponding one in the specifications, the latter shall apply.

iii) Between the quantities shown in 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 schedule of quantities and the detailed description in the specifications of the same items, the later 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 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 Executive Engineer, **Pune Public Works Division, Pune-1**, 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 Public Works Department Hand Book where reference to such specifications is given without reproducing the details in contract.

5. METHODOLOGY OF CONSTRUCTION AND CONSTRUCTION EQUIPMENTS :-

5.1 Contraction Machinery / Equipments :

5.1.1 The methodology and equipments to be used on the project shall be furnished by the Contractor to the Engineer in charge well in advance of commencement of work and approval of the Engineer in charge obtained prior to its adoption and use.

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5.1.2 The Contractor shall give , a trial run of the equipment for establishing its capacity to achieve the laid down specifications and tolerance to the satisfaction of the Engineer in Charge before commencement of work, if so desired by the Engineer-In- Charge.

5.1.3 All equipments provided shall be of proven efficiency and shall be operated and maintained at all times in the manner acceptable to the Engineer in Charge.

5.2 Contractor Shall furnish at least 15 days in advance his programme of commencement of item of work, the details of actual methods that would be adopted by the Contractor for the execution of various items of work such as well sinking, cast-in-situ super-structure for Bridge work and supported by necessary detailed drawing and sketches including those of the 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 item of work. The Engineer-in-charge reserves the right to suggest modifications or make complete changes in the method proposed by the Contractor, whether accepted previously or not at any stage of the work to obtain the desired accuracy, quantity 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 Government so long as specifications of the item remain unaltered. The sole responsibility 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.

5.3 Abrasion Testing Machine for Tiles of standard make confirming to IS-1237 & 1706 with suitable thickness measuring device to measure wear of the tile. It shall be suitable for operation on 415 v/50 Hz, 3 phase AC supply.

6. WORKING METHODS :-

Contractor shall submit, within times stipulated time by the Engineer in writing the details of actual methods that would be adopted by the contractor for the execution of any item as required by Engineer, at each of the locations, supported by necessary detailed drawings and sketches including those of the Plant and Machinery that would be used, their location, arrangement for conveying and handling material etc. And obtain prior approval of the Engineer in charge well in advance of starting of such item of work. The Engineer in charge reserves the right to suggest modifications or make complete change in the method proposed by the contractor, whether accepted previously or not, at any stage of the work, to obtain the desired accuracy, quantity 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 Government so long as specifications of the item remain unaltered.

7. PROGRESS SCHEDULE :-

7.1 The Contractor shall furnish within the period stipulated in writing by the Engineer in charge of the order to start the work a progress schedule in quadruplicate indicating the date of actual start the monthly / progress expected to be achieved and anticipated completion date of each major item of work to be done by him, also indicating dates of procurement and setting up of materials, plant and machinery. The schedule is to be such as is practicable of achievement towards the completion of whole work in the time limit, the particulars 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 weekly for

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any item or items, in any case of urgency of work as will be directed by him and the contractor shall supply the same as and when asked for.

7.2 The Contractor shall furnish sufficient plant, equipment and labour as may be necessary to maintain the progress schedule. The working and shift hours for operations to be done under the Government 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 which requires supervision shall not be permitted except when specifically allowed by Engineer each time, if requested by the Contractor. The Contractor shall provide necessary lighting arrangements etc., for night work, as directed by the Engineer without extra cost to Government

7.3 Further, the Contractor shall submit the progress of work in prescribed forms and charts etc., at periodical intervals, as may be specified by the Engineer-in-charge. Schedule shall be in the form of progress charts, forms, progress statement and/or reports as may be approved by the Engineer.

7.4 The Contractor shall maintain proforma, charts; details regarding machinery equipments labour, materials, personnel etc. as may be specified by the Engineer and submit periodically returns thereof as may be specified by the Engineer-in-charge.

7.5 Priorities of Works to be Executed :-

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

7.6 Revised Programme of work in case of slippage :-

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

7.7 Action in case disproportionate progress :-

In case of extremely poor progress of the work or any item at any stages of work which in the opinion of the Engineer in Charge cannot be made good by the Contractor considering his available resources, the Engineer in Charge will get it accelerated to make up the lost time through any other agency, and recover the additional cost incurred. If any in getting the work done from the Contractor after informing him about the action envisaged by him.

8. TREASURE-TROVE :-

In the event of discovery by the contractor or his employees, during the progress of the work of any treasure, fossils, minerals or any other articles of value or interest, the contractor shall give immediate intimation thereof to the Engineer and forthwith hand over to the Engineer such treasure or things which shall be the property of Government.

9. AGENT AND WORK-ORDER BOOK :-

The Contractor shall himself manage the work or engage an authorised 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 is essential for the work and so directs Contractors. He will take orders as will be given by the

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Executive Engineer or his representative and shall be responsible for carrying them out. This agent shall not be changed without prior intimation to the Executive Engineer and his representative on the work site. The Contractor shall supply to the Engineer the details of all supervisory and other staff employed by the Contractor and notify changes when made, and satisfy the Engineer regarding the quantity and sufficiency of the staff, thus employed. The Engineer will have the unquestionable right to ask for changes in the quality and number of Contractors supervisory staff and to order removal from work of any of such staff. The Contractor shall comply with such orders and effect replacements to the satisfaction of the Engineer-in-charge.

A work order book shall be maintained on site and it shall be the property of Government and the Contractor shall promptly sign orders given therein by the executive Engineer or his representative and his superior officers and comply with them. The compliance shall be reported by the Contractor to the Engineer in good time so that it can be checked. The blank work order book with machine numbered pages will be provided by the Department free of charge for this purpose. The Contractor will be allowed to copy out instructions therein from time to time.

10. SETTING OUT FOR BUILDING WORKS :-

The Engineer-in-charge shall furnish the Contractor with only the four corners of the works site and a level bench mark and the Contractor shall set out the works and 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 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 centre line marks, either existing or supplied and fixed by the Contractor. The work shall be set out to the satisfaction of the Engineer-in-charge. 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.

10.1 Before beginning the work, the Contractor shall at his own cost provide all necessary reference and level posts, pegs, bamboos, 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 the 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.

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10.2 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 effectually 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.

10.3 Level Instruments :-

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 readily available at site.

10.4 Special condition :-

1)The existing staircases / accesses shall not be used by the Contractor for transporting / shifting / lifting of construction men/ women and material. In this event, Contractor shall make his own necessary arrangement for transporting/ shifting/ lifting of construction men / women and material under his contract. Offer of contractor shall be inclusive of all costs for making such all necessary arrangement mentioned above. He shall not be paid separately for making such necessary arrangement mentioned above. He shall not be paid separately for making such necessary arrangement.

2) The handling / collection of the construction material and equipment shall not make inconvenience to the students / staff / building users.

3) Contractor shall be fully responsible for nay mishaps/ accidents during construction at the time of construction. He should make all necessary safety arrangement to ensure safety of existing building users. The Contractor area shall be barricaded if required as directed by Engineer in charge. He should get necessary insurance cover. Offer of contractor shall be inclusive of all costs for making such insurance cover and safety arrangement. He shall not be paid separately for making such arrangements.

4) Any damages to the existing structure shall be made good by the contractor at his cost, as per the instructions of Engineer in Charge. He shall not be paid separately for making such necessary repairs to damages. Offer of contractor shall be inclusive of all costs for making such necessary repairs.

5) Educational premises/ site shall be kept clean by removing the debris, waste construction material on day to day basis for which he will not be separately paid. Offer of contractor shall be inclusive of all costs for removing the debris, waste construction material on day to day basis.

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 or workmanship employed in connection with the works.

The Engineer-in-charge may from time to time, in writing delegate to his representative any 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

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instructions of 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 any work or materials shall not prejudice the power of the Engineer-in-charge thereafter to disapprove such work or materials and so order the putting down, removal or breaking up thereof.

12. INTIAL MEASURMENTS 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 as recorded in the authorized field book or measurement book of Government by the Engineer or his authorized representative will be signed by the contractor who will be entitled to have a true 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.

Like-wise 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 representative of the Executive Engineer, The record of such measurements on the Government side will be signed by the Contractor and he will be entitled to have a true copy of the same made at his cost.

13. HANDING OVER OF WORK :-

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

14. ASSISTANCE IN PROCURING PRIORITIES, PERMITS, ETC. :-

The Engineer, on a written request by the 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 Government, will not, however, be responsible for the non-availability of such facilities or delay in this behalf and no claims on account of such failures or delays shall be allowed by the Government. The Contractor shall have to make his own arrangement for machinery required for the work. However, such machinery conveniently available with the Department may be spared as per the rules in force on recovery of necessary Security Deposit and rent with agreement in the prescribed form. Such an Agreement shall be independent of this contract and the supply of machinery shall not form a ground for any claim or extension of time limit for this work.

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15. A) The Contractor shall set up and get it checked and certified by the Executive Engineer, a field laboratory with necessary equipments for testing of all materials, finished products used in the construction as per requirements of relevant specifications. The testing of all materials shall be carried out by the Engineer, or his representative for which the contractor shall make all the necessary arrangements and bear the entire cost.

15. B) At least 30% of the tests of those required as per frequency chart given in Clause 15.1 shall be carried out in Government Laboratories of Vigilance & Quality Control Circle. All the tests which cannot be carried out in field laboratory shall be carried out 100% at the contractor's cost in Vigilance & Quality control laboratory.

15. C) The test which cannot be carried out both in field laboratory and Vigilance & Quality control Circle's laboratories shall be carried out 100% in the laboratories of Government Engineering College / Government Polytechnic at the entire cost of Contractor.

15.1 FREQUENCY CHART FOR TESTING OF MATERIALS

Sr. No.	Material	Test	Frequency of Testing	Remark
1	Sand	i) Fineness Modulus) Silt Conten	At the beginning and if there is change in source.	
2	Metal	i) Crushing value ii) Impact value iii) Abrasion value iv) Water absorption v) Flakiness Index vi) Stripping value vii) Gradation	One test per 200 Cu.M. or part thereof.	PWD Hand Book I.S.2386 Part-II
3	Cement Concrete	i) Compressive Strength	Upto 5 Cu.M. -1set 6-15 Cu.M. -2sets 16-30 -3sets 31-50 -4sets 51&above -4sets + One additional set for each additional 50 Cu.M. or part thereof.	M.O.S.T. Specification 1716.
4	Cement	i) Comp. Strength ii) Initial setting time iii) Final setting time iv) Specific Gravity v) Soundness vi) Fineness	One test for each consignment of 50 M.T. (1000bags) or part thereof. But minimum one test for each consignment.	I.S.269 12269
5	Masonry Stone	i) Compressive Strength ii) Crushing value	One test for each source or 100 Cubic Meter.	
6	Brick	i) Crushing Strength ii) Water Absorption	One set of 15 Bricks for 3000 Numbers.	

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Sr. No.	Material	Test	Frequency of Testing	Remark
7	Mangalore tiles	i) Breaking Load Water Absorption	One set of 18 Mangalore tiles for every 50000 Numbers.	
8	Flooring tiles	i) Flexural Strength Water Absorption	One set of 18 flooring tiles for every 2000 Numbers	
9	Glazed tiles	i) Water Absorption	One set of 18 glazed tiles for 2000 Numbers.	
10	Steel (T.M.T.)	i) Weight per meter ii) Ultimate tensile stress iii) Yield stress iv) Elongation	One test for each Consignment	
11	Lime /Cement Stabilised soil sub-base	i) Quality of ii) Lime/Cement iii) Degree of iv) Pulverisation Lime/Cement content v) CBR or unconfined compressive Strength on a set of 3 Specimen Density of compacted layer.	As per instructions of Engineer-in-charge	
12	Interlocking concrete paving block	i) Compressive strength ii) Flexural Test iii) Resistance to wear	One set of 18 Block for every 2000 numbers.	
13	Wood work (Shutters)	i) End immersion tests ii) Knife test iii) Glue adhesion test	As per instructions of Engineer-in-charge	
14	Cement Concrete	i) Mix design	One test for each Source of materials.	
15	Reinforcement Steel Bars.	i) Tensile Strength ii) % Elongation	One set of each consignment	

15.2 Additional Condition for Material Testing :-

It is mandatory on the part of Contractor to carry out all the required tests of various construction materials as mentioned in Schedule-'B' of the Tender.

If the contractor fails to submit required Test Results of the various construction materials as mentioned in the items of Schedule-'B', he will be liable to deposit the amount at penal rate of five times of the amount of particular test which he has not carried out. Contractor will be informed by the Engineer-in-charge by letter. On receipt of letter, contractor will have to either deposit the said amount or to carry out the required test within 10 days. If he again failed to carry out the required tests in stipulated time limit, the said tests will be carried out by the department and total expenditure incurred on the testing charges plus five times amount of testing charges will be recovered from the Contractor's bill. As this recovery is only due to the negligence on the part of contractor to carry out work as per Tender Conditions and Executive Engineer's decision will be final and binding on the

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Contractor and it cannot be challenged by the Contractor by way of Appeal, Arbitration or in the Court of Law

15.3 Sampling of Material :-

Samples provided to the Engineer or his representative for their retention is to be in the labeled boxes suitable for storage. Materials or workmanship not corresponding in character and quality with approved samples will be rejected by the Engineer or his representative and shall be removed from the site as directed by the Engineer at the Contractor's cost. Samples required for approval and testing must be supplied well in advance by at least 48 hours to allow for testing and approval. Delay to work arising from the late submission of samples will not be acceptable as a reason for delay in the completion of work. For all material brought from outside, the cost of sampling, testing whether in India or outside shall be borne by the contractor.

All materials to be used on work shall be got approved in advance from the Engineer-in-charge and shall pass the test and / or analysis required by him which will be as follows :-

- a) As specified by the Indian Road Congress Standard Specification.
- b) Code of Practice for Road and Bridges.
- c) B.I.S. specifications (whichever and wherever applicable)
- d) Such recognized specifications accepted to Engineer-in-charge as equivalent there to or in absence of such authorized specification.
- e) i) The Contractor shall set up Field Laboratory with necessary equipment for testing of all material / finished products, and get it checked and certified from the Executive Engineer.
- ii) Such requirement test and / or analysis as may be specified by the Engineer-in-charge in order of precedence given above.
- iii) 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 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-in-charge.
- iv) The Contractor shall if and when required, submit at his cost the samples of materials to be tested or analysed and if, so directed, shall not make use of or incorporate in the work any materials represented by the samples until the required tests or analysis have been made and the materials, finally accepted by the Engineer-in-charge. Samples provided to the Engineer in charge for retention purpose are to be in labeled boxes suitable for storage.
- v) The Contractor shall not be eligible for any claim or compensation either arising 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.

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vi) The Contractor or his authorised 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 authorised representative will be binding on the Contractor.

vii) Cost of routine day-to-day quality testing charges for tests required as per specifications will be borne by the contractor by sending the same to the concerned Government Laboratories.

viii) Test shall be carried out at approved Government Laboratories or Government IN situations as directed by Engineer-in-charge and all testing charges shall be borne by the Contractor.

ix) 15% of the rate shall be with held and shall be released only after the receipt of the satisfactory test result wherever specified. Routine test shall mean testing of aggregate for gradation. flakiness index, impact, value and binder content. All other tests shall be carried out by the Contractor at his own cost. However the cost of testing of material as directed by Engineer in charge for approving a particular material as laid down in para 15.2 (i) to (vii) will have to be borne by the contractor.

x) The contractor shall at his own cost arrange to carry out the routine tests of material which are to be used on the work. The tests will have to be carried out either in the field laboratory or in an approval laboratory.

xi) Testing of the material used for his work should be carried out as per the provisions made in Government Circular No. Miscellaneous / 2004/ PC-108/ NH-2 dated 22/3/2005. Testing of material should be carried out as per frequency stipulated by the Vigilance & Quality control Circle. The contractor should carry out 25% testing of material out of the total material required as per the frequency from the Department Laboratory of Public Works Department. The payment for testing of material from the Departmental Laboratory should be borne by the Contractor.

xii) In case of material procured by the contractor / testing as required by the codes and specifications, the same shall be arranged by him at his own cost. Testing shall be done in the presence of an authorized representative of the Engineer in Charge at the nearest laboratory. If additional testing other than as required by specification 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 .

xiii) In case of material supplied by the Government, 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.

15.4 The responsibility of assuring the quality of work shall be on the contractor who shall take action as stipulated in standard specification as per " Schedule C "

15.5 It shall be responsibility of the contractor to achieve quality of work as stipulated in section 900 of MORTH specification for Road and Bridge Work (2001)

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16. CEMENT CONCRETE :-

16.1 General :-

a) All concrete shall be controlled concrete and machine mixed, unless otherwise directed by Engineer-in-charge. For controlled or high grade concrete, the grading of aggregates shall be got approved from the Engineer.

b) 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. 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.

All proportioning of aggregates shall be done by weight if so ordered by the Engineer.

c) i) 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 small quantities are involved but in that case the Contractor shall increase the cement content of the mixture by 10% without any extra cost to the Government.

ii) Conventional type mechanical mixer if found necessary for particular item, may be used with permission of Engineer-in-charge

d) The form work used shall be made preferably of steel or with lining of steel. Wooden shutters may be allowed at the discretion of the Engineer e.g. lintels, small slabs and beams coping, 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 or the period specified in the detailed specification or as may be directed by Engineer-in-charge.

g) Minimum Cement content of concrete shall be as per prevailing I.S. Code.

16.2 Reinforced Concrete Work :-

The work included in this contract shall be carried out in addition to this specification detailed herein, in accordance with specifications and regulations as laid down in the following standard specifications

I S	8112 - 1989 -	Specification for 43 grade ordinary Portland cement.
I S	12269 - 1989 -	Specification for 53 grade ordinary Portland cement.
I S	1786 - 1985 -	Specification for cold twisted bars
I S	383 - 1976 -	Specification for coarse and fine aggregate from natural Courses for concrete.

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I	432 - 1982 -	Specification for mild steel and medium steel bars.
S		
I	456 - 2000 -	Code of practice for plain and reinforced concrete.
S		

* For T.M.T. (Fe 415) and T.M.T. (Fe 500) reinforcement bars, prevailing I.S. code shall be followed.

17. CO-ORDINATION:-

When several agencies for different sub work of the project are to work simultaneously for the 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 arrangement for water, power, housing etc. If they so desire. On the other hand the contractors are at liberty to mutual agreement in this behalf and make joint arrangement with the approval of the Engineer. No single contractor shall take or cause to be taken any steps or action that may causes disruption, discontent, or disturbance of the work labour or arrangement etc. of other contractor 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 condition and shall be dealt with as such. In case of any dispute, disagreement between the contractor the Engineer's decision regarding the co-ordination, co-operation and facilities to be provided by any of the contractor shall be final binding on the contractors concerned and such a decision or decisions shall not violate any contract nor absolve the contractors of his/ their obligations under the contract nor consider for the grant for any claim or compensation.

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

18. PATENTED DEVICE

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

19. PAYMENT:-

The contractor must understand clearly that the rates quoted are for completed work and include all cost due to labour, scaffolding, plant, machinery, supervision, power, royalties, taxes etc. (Other than GST) and should also include all expenses to cover the cost of height work as and when required and no claim for additional payment beyond the prices or rates quoted will be entertained. The mode of measurement has been indicated in the specifications. If there is any ambiguity or doubt in this respect, the decision of Superintending Engineer will be final.

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20. SUPERVISION AND INSPECTION OF WORKS AND QUALITY CONTROL:-

20.1 Supervision:-

The Contractor shall either himself supervise the execution of the works or shall appoint the competent agent approved by the Engineer-in-charge, to act on his behalf. If in the opinion of the Engineer-in-charge, the Contractor has himself no sufficient knowledge and experience of receiving instructions or cannot give his full attention to the works, the Contractor shall at his own expenses employ as his accredited agent a qualified Engineer approved 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-in-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 the Contractor shall not be entitled for any compensation on this behalf.

20.2 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 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 affect 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 modifications or reconstruction have been effected at the cost of the Contractor as shall enable him to certify that the work has been completed 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 the work at his own cost.

20.3 Temporary Quarter:-

i) The Contractor shall at his own expense maintain sufficient experienced supervisory staff etc. required for the work and shall make his own arrangement, provide housing for them with all necessary arrangements, including fire preventive measures etc. as directed by the Engineer-in-charge. General layout plan for such structures shall be got approved from the Engineer in Charge. It will be the responsibility of the Contractor to get his layout plan of temporary Structure approved from the Local competent authority.

ii) The Contractor shall provide, furnish, maintain and remove on completion of the work, a suitable office on the work site for the use of Executive Engineer's representative. The covered area exclusive of verandah should not be less than 40 Sqm. It may have bamboo matting walls or brick walls asbestos or corrugated iron roof, paved floor should be 45 cm. above ground level. He should provide a basket type or suitable latrine, urinals and keep them clean daily. This will be supposed to be included in his rate.

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20.4 **SAFETY MEASURES AND AMENTIES:-**

While executing the work, necessary precautions regarding safety of labour, supervisory staff, public and traffic users shall be taken by the agency according to rules and regulations specified by the Government of India / Government of Maharashtra and as directed by District Court, Pune

1) The contractor shall take all necessary precautions for the safety of the works and preserving their health while working in such job as require special protection and precautions. The following are some of the requirements listed, though no exhaustive. The contractor shall also comply with the directions issued by the Engineer in this behalf from time to time and at all times.

2) **Labour License:** It shall be obligatory on the part of the contractor to obtained the necessary labour license from the labour Department within fortnight of issue of work order.

3) Providing protective foot wear to works, in situations like mixing and placing of mortar of concrete in quarry and places where the work is done. Under too much of weight condition at also call movement over surfaces infected with distal growth etc.

4) Providing protective head wear to workers working in quarries etc. to protect them against accidental call of material from above.

5) Taking such normal proportion like providing handrails at the edge of the floating platform for barrages, not allowing nil or metal part or useless timer or spread around the etc.

6) Supporting workman give proper beds, reaps, etc. then working on any masters, Crain, grapes, hoists, dredged etc.

7) Taking necessary steps to words training the workers conceded in the use of machinery before, they are allowed to handle it indenpadaly and taking all necessary picaution in and around the areas where machine, hoists and seeder with are working.

8) Providing adequate number of boards (of at all required for playing waters) to prevent of overload and over crowdy.

9) Providing life belts to all men working in the situation from where they may accidently tell in to the water, equipping the boats with adequate number of life belts etc.

10) Avoiding bare live wires etc. as would electrocute workers.

11) Making all platforms, staging and temporary structures sufficiently strong so as not to cause inconvenience and risk to the workmen and supervisory staff.

12) Providing sufficient first aid trained staff an equipment to be available quickly at the work site to render immediate first aid treatment in case of accidents due to suffocations, dropping and other injuries.

13) Take all necessary precautions with regard to use of divers.

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14) Providing full length gum boots, leather hand gloves with fire proof apron to cover the chest and back reaching upto knees and protective goggles for the eyes to the laboures working with hot asphalt handling vibrator in cement concrete and also use of any or all these items is beneficial in the interest of health and well being of the labours in the opinion of the Engineer.

21. EXPLOSIVES :-

The Contractor shall at his own expense construct and maintain proper magazines, if such are required for the storage of explosives for use in connection with the work and such magazine being situated, constructed and maintained in accordance with the Government Rules applicable in that behalf. The Contractor shall at his own expenses obtain such license or licenses as may be necessary for storing and using explosives. Notwithstanding that the location etc. or storage of explosives are approved by the Engineer, the Government, shall not be incurring any responsibility whatever in connection with storage and use of explosives on the site or any accident or occurrence whatsoever in connection, therewith, all operations in or for which explosives are employed being at the risk of the Contractor and upon his sole responsibility and the Contractor hereby gives to Government an absolute indemnity in respect thereof.

22. DAMAGE BY FLOODS OR ACCIDENTS :-

The Contractor shall take all precautions against damage by floods or like 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 Government lost or damaged by floods or from any other cause which is in his charge.

23. RELATION WITH PUBLIE AUTHORIES :-

The contractor shall comply with all rules, regulation, bye-laws and direction given from time also by any local public authority in connection with this work and shall himself pay fees or charges which are livable on him without any extra to the Department.

24. POLICE PROTECTION :-

For the Special Protection of camp and of the Contractor's works, the Department will help the Contractor as far as possible to arrange for such protection with concerned authorities, if so required by the Contractor in writing. The full cost of such protection shall be borne by the Contractor.

25. 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 potable water for the use of labourers on work and in Camps.

b) The Contractor shall construct trench or semi permanent latrines for the use of the Labourers. Separate latrines shall be provided for men and women.

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c) The Contractor shall build sufficient number of huts on a suitable plot of land for use of the Labourers according to the following specifications.

1. Huts of Bamboos and Grass may be constructed.

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, grass or wood should be particularly avoided. Campus should not be established close to large cuttings of earth work. The lines of huts shall have open spaces of at least ten yards between rows. When a good natural site cannot be procured, particular attention should be given to the drainage. There should be no overcrowding. Floor space at the rate of 30 Sq.ft. per head shall be provided. Care should be taken to see that the huts are kept clean and in good order.

The Contractor must find his own land if he wants Government land, he should apply for it. Assessment for it, if made available by Government.

The Contractor shall construct a sufficient number of bathing places. Washing places should also be provided for the purpose of washing clothes. The Contractor shall make sufficient arrangements for draining away the surface and sullage water as well as water from the bathing and washing places and shall dispose of this waste water in such way as not to cause any nuisance. He shall also keep the premises clean by employing sufficient number of sweepers. The Contractor shall engage a medical Officer with a traveling dispensary for a Camp containing 500 or more persons if there is no Government or other private dispensary situated within 8 kilometers from the camp. In case of emergency the Contractor shall arrange at his cost for transport for quick medical help to his sick worker.

The Contractor shall provide the necessary staff for effecting a satisfactory drainage system and cleanliness of the camp to the satisfaction of the Engineer. At least one sweeper per 200 persons should be engaged. The assistant Director of Public Health shall be consulted before opening a labour camp and his instruction on matters such as water supply, sanitary conveniences, the camp site accommodation and food supply shall be followed by the Contractor.

2. The Contractor shall make arrangements for all ant malaria-measures to be provided for the labours employed on the work. The ant malaria measures shall be provided as directed by the Assistant Director of Public Health.

26. QUARRIES :-

26.1 The quarrying operations shall be carried out by the Contractor with proper equipment such as compressors, Jack-hammers, drill bits, explosives etc. and sufficient number of workmen shall be employed so as to get required out turn.

26.2 The Contractor shall carry out the works in the quarries in conformity with all the rules and regulations already laid down or that may be laid down from time to time by Government. Any cost incurred by Government 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 facilities by the Contractor for inspection at all times of the working of the quarry, records, maintained, the stocks of the

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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 times be allowed to inspect the works, buildings, and equipment at the quarters.

26.3 The Contractor shall maintain at his own cost the books, registers 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 books or registers as and when required.

26.4 All quarrying operations shall be carried out by the Contractor in organised and expeditious manner, systematically and with proper planning. The Contractor shall engage licensed blasters and adopt 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 from the Chief Inspector of Explosives and the Rules and Regulations in this connection as laid down by the Chief Inspector of Explosives from 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 materials from the concerned authorities. The Contractor must, therefore, take timely advance action for procuring all such licenses so that the work progress may not be hampered.

26.5 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.

26.6 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 wastage of stones. Only such stones as are of the required quality shall be used on the work. Any stone which is in the opinion 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 materials shall be removed to the place shown at the Contractor's cost.

26.7 Since all stones quarried from Government quarry (if made available) by the Contractor including the excavated over burden are the property of the Government. No stones or earth shall be supplied by the Contractor to any other agencies or work are allowed to be taken away for any other works. All such surplus quarried materials not required for work under this contract shall be the property of the Government and shall be handed over by the Contractor to Government free of cost at quarry site duly heaped at the spots indicated by the Engineer-in-charge. The rates for several items shown in the Schedule-'B' are inclusive of royalties to be paid to the Government on minor minerals and metals under relevant acts. Full rate for any and every item shall be paid only after production of sufficient proof of having paid the royalty to Government. In absence of such proof, the item shall be paid at such reduced rates the engineer in charge may deem fit. If, however, the Government does not require such surplus material, the Contractor may be allowed to dispose off or use such material elsewhere with prior written permission of the Engineer-in-charge. Leaving off a

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quarry face or opening of a new quarry face or opening or a new quarry face or opening of a new quarry face shall be done only on the approval of the Engineer-in-charge.

26.8 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 materials etc. if any, to be paid, shall be paid directly by the Contractor as per rules in force. If is not paid by contractor the same will be recovered from his bill.

26.9 The Contractor will be permitted to erect at his own risk and cost at the quarry site if suitable vacant space in Government area is available for the purpose, his own structures for 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 condition.

26.10 The Contractor shall not use any land in the quarry either for cultivation or for any other purpose except, that required for breaking or stacking or transporting stones.

27. TRAFFIC REGULATION / ARRANGMENT FOR TRAFFIC DURING CONSTRUCTION :-

Action for arrangement for traffic during construction will be taken by the Contractor as in while the in the contract document and spelt out in clause 112 of MORTH specification for road and bridge work (2001).

27.1 Unless separately provided for in the contract the Contractor shall have to make necessary arrangement for regulating traffic day to night in the period of construction to the entire satisfaction of the Engineer. This includes the construction of maintainece of diversion if necessary. The contractor shall to provide necessary caution boards barricade, flat, light and watchman etc. so as to comply with the latest mortar vehicle rules and regulations and for the traffic safety and he shall be responsible for accident which may be arise due to his negligence where in the regulations traffic or in stacking material on the roads or due to any other reasons.

27.2 It is to be clearly understood that whatever work carried out by the contractor for the construction of diversion road including earthwork, WBM bituminous, surface dressing. R.C.C. pipe drain will be paid for only once due to flow of traffic, due to floods, or due to any other cause, this diversion road and / or R.C.C. drain getes damages it shall be repaired and maintained by the Contractor in good condition till completion of the whole work at his own expenses.

28. PROCUREMENT OF MATERIALS :-

28.1 Where suitable and approved P. W. Department's quarries exist, the Contractor or piece 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

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necessary royalty in advance and shall submit detailed accounts of material from quarries as directed.

28.2 Where no suitable P.W. Department's quarries exist or when the quantity of the material required cannot be obtained from a P.W. Department quarry the Contractor or piece-worker shall make his own arrangements to obtain the material from existing or a new quarry in Government 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 worker shall pay all royalty charges compensation etc. No claims or responsibility on account of any of obstructions caused to execution of the work by difficulties arising out of private owners of land will be entertained.

28.3 The rates in the tender include all incidental charges such as opening of a new quarry, opening out a new portion in an existing quarry, removing top soil and the unsuitable material, dewatering a quarry, cost of blasting powder and fuse, lift, lead, repairs to existing cart tracks, making new cart tracks, control charges, Central / State Government or Municipal taxes, Local Boards, Cess, etc.

28.4 The rates in the tender are for the delivery of the approved material on road side properly stacked at the places specified by the Engineer-in-charge and are inclusive of conveyance charges in respect of the leads and lifts. No claims on account of changes in lead will be entertained.

28.5 No material shall be removed from the land within the road boundary or from the land touching it without the written permission of the Engineer-in-charge or his authorised agent. If any material is unauthorisely 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 Executive Engineer and will have to stop further collection.

28.6 Any material that falls on any P.W.D. 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 any accident, etc.

Any such materials causing obstruction or 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 complaint which may be received otherwise authorized by the Engineer in writing, collection and spreading shall not be carried out at the same time in one and the same might be for in to adjoining KM except with the written permission of the Executive Engineer.

28.7 Unless otherwise directed, the materials shall be collected in the following order according to availability of space:

- (1) Rubble (if included in tender),

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- (2) Metal,
- (3) Soft murum and
- (4) Hard murum.

Shall be stacked on the side opposite for petty repairs shall be stacked on the side opposite to metal for new layer. Where metal for two layers has to be stacked, as in the case of new roads, the metal for each layer shall be stacked on the opposite sides of the road.

28.8 All the material shall be examined and shall be measured before it is spread. The labour for measurement (Hand checked measurement) were ever carried out shall be supplied by the Contractor or picse worker. Immediately after the measurement is recorded the stack shall be marked by contractor or Engineer to prevent for any authorized tampering with the stacks. If the contractor or piece worker fails to attend the measurement after refilling the notice from the Sub-Divisional officers or is subordinate stating date and time of the intension to measure works shall be measured never the less and no complaint in disrespect to be entertained later on, If the contractor piece worker fails to supply sufficient labour for the material required at the time of measurement for check measurement after due notice has given to him, the expenses incurred on account of employee department labour or material etc. shall be charged against his account.

28.9 No deduction will be made for voids.

28.10 The materials 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 rain or floods, to be buried under the landslides etc. or slip down an embankment or hill side etc. No claims for any loss due to these and similar causes will be entertained.

28.11 Before stacking, the materials shall be free from all earth, rubbish vegetable matter and other extraneous substance and in the case of metal, screened to gauge, if so directed when ready. It shall be stacked entirely clear of the road way, 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 terms in such a way as to cause minimum danger and obstruction to the traffic or as may be directed by him.

28.12 The size of stacks for material other than the rubble shall be 3 M x 1.5 M x 0.80 M or such other size as may be directed by Engineer in charge and all but one stacking 200 Meter shall be on the uniform size and shall be uniformed distributed over whole length . One stack (at the end) in each 200 Meter may be of length different form the rest in order to adjust total quantity to be required but is width and height will be same as those of the rest.

28.13 The Sub-Divisional Officer shall supply the contractor with statement showing furlong wise quantity that will be required and the order in which the collection is to be done. No material in excess of requirement in the furlong shall be stacked. Any excess quantity shall be removed at the expenses of the contractor or piece worker to where it is required before the material in that furlong is finally measured.

28.14 In stacking material the deposition shall commenced at the end of the Kilometer fastest from the quarry and the carried continuously to the other end (unless otherwise directed by Executive Engineer) stacking in one 200 meter shall be completed before it is

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started in another unless directed otherwise in writing by The Executive Engineer measurement of the material stacked in the furlong will not be recorded until the full quantity required has been stacked.

28.15 All the material such as asphalt, cement, steel etc. shall be procured by the Contractor for approved Government institution or as directed by Engineer in charge only. The material shall be brought at the site of work then in advance by the contractor .The contractor shall be responsible for all the transportation and storage of the material at site and shall be bear all the related cost. The Engineer shall be untilted at any time to inspect of reasonable assistance (or such inspection as may be required).

28.16 After receiving bitumen the authorized challan / gate pass should be obtained from the refinery mentioning the quantity of the bitumen, rate of bitumen date of delivery etc. and it should be handed over to the department for each condiment, Similarly the invoice of cement etc. shall be given to the authorized representative of the Engineer in charge immediately on the procurement of the material.

28.17 The day to day record of receipt of utility balance of the material should be kept by the contractor in the form of register for each material like asphalt, cement, steel at large size, / site of work/ store and same will be checked by The Engineer in charge or authorized Engineer at any time. This register shall be signed daily by the contractor or his representative and representative of Engineer in charge. The contractor shall submit periodically as well as on the completion of the work an account of material used by him on the work to the Engineer in charge.

28.18 While transportation of bouzer a through transport pass should be obtained from the Corporation/ Municipality through which the boozer is passed and same should be handed over the authorised person of the Department.

28.19 The procurement of cement/ steel etc. should be from the authorised manufacturing company and the vouchers regarding purchase thereof shall be submitted to Engineer-in-charge. The material from the any other source other than the approved institution shall not be allowed unless written permission from the Executive Engineer is taken. In such cases certificate for test quality shall be produced by the contractor and samples of material shall be tested from any Government laboratory by the contractor at his cost and the test result should be supplied to department. The material not confirming to the required standard shall be removed at once from the site of work by contractor at his own cost all the material such as asphalt, cement etc. required for the use of work shall be confirmed from the consoled 1000 MORTH specification .The material shall be used on the work by the contractor only after the test therefore are found satisfactory. The responsibility of carry out test the frequency specified for each material shall rest with the contractor.

The pipe required for the works shall be procured from the Maharashtra small-scale industrial development corporation only the payment was the item of providing and fixing NP/NP2/NP4 pipe will be released only after the contractor submitted the bills of MSSIDC to authenticate that the pipes have been purchased from MSSIDC .No payment to words item providing and laying the pipe will be released in absence of the submission of requisite document.

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28.20 Any condiment or part of condiment cement each dilapidated in any ways shall not be used in the words and shall be removed from the site by contractor without charge to the employer.

28.21 Cement shall be transported and handed and stored on the site such a manner as to avide decoration contamination each consuming shall be stored separately show that it may be readily identify and inspected .Cement shall be used in the sequence in which is delivered at site.

28.22 The contractor shall prepared and maintained proper records on the site in the respect of deliver, handling , storage and use of cement and these record shall be made available for inspection by Engineer at all times.

28.23 The contractor shall construct at his own cost shed/ sheds as per direction of Engineer in charge for storing the material and providing double locking arrangement (One lack of department and other of the contractor) material shall be taken out from stores only in represented of authorized representative of the Engineer in charge. The store shed constructed on the site shall be removed on completion of the work .The contractor shall take all necessary steps to guard material brought by him.

28.24 Cement should be used in the words shall be any of the following types with a priore approval of the Engineer .Ordinary Portland cement concerning to IS 8 112 (Latest addition) Ornery of Portland cement confirming to IS 12269 (Latest addition)

28.25 TMT-FE-500 grades confirming to IS 1786 shall be used for reinforcement.

28.26 Bulk bitumen of IS grade VG 30 grade shall be used.

28.27 Asphalt VG30 grade confirming to IS 8887 of 1995 shall be used tack coat.

28.28 The contractor shall make his own arrangement for the self custody of material brought by him on the site of work.

28.29 The charges for conveying material from the place of purchase by the contractor to the site of work and the actual spot of work shall be entirely borne by contractor. No claim on his account shall be entertained.

28.30 The register showing dispatch of bituminous load from the plant, vehicle No., time of dispatch, temperature of time of dispatch.etc. Shall be prescribed form at hot mix plant site. Similarly register showing the time temperature of the mix at the site shall be kept authorized representative of the contractor shall fill both these register. These shall be signed by the contractor every day in taken of acceptance, the maintenance of these registered does not absolves. The contractor of his contractual / obligations to word quality of the works.

28.31 The contractor should ensured that all safety precaution are observed by the labour, white handling the material and precaution for their labour at the cost of contractor and contractor will bear all the expenses compensation etc. If any incident accrued to the labour etc. No claim in this regards what so ever shall be entertained and decision of the department t final and conclusive.

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28.32 The case the material becomes surpluses showing to the change in the design of the work. After the material is brought by the contractor no claim in this regards will be entertained and the contractor will be required to take away such material from the site.

27.33 The contractor should arrange for weighment of bouzer if desired by the Engineer in charge. The weighment shall be done in the presence of the representative of the department at the cost of the contractor.

28.34 The weight of the steel bar used on the work will be calculated on the basis of standard weight for per unit length vide IS 1732 no wastage of steel will be considered at all, cut pieces of steel respective length will be the properly of the contractor and no claim whatsoever in the ragareds shall be entertained. The consuming of the steel brought by the Contractor have in weight less than the standard weight per unit length of the bar as mentioned above will not accepted. for this purpose ram dam sample will be tested by Executive Engineer and the decision of the Executive Engineer shall be bidding on the contractor if the steel receive is over weight (more than standard weight per running meter length) no extra payment will be made and no claim in this regard whatsoever shall be entertained.

28.35 No claim on account of cement or steel rods used for ancillary works on the site of work shall be entertained.

28.36 All the material to be brought to site is brought only on the working days and in presence of an authorized representative of the Engineer in charge.

28.37 All the material such as cement, mild steel, HYSD bars, TMT bars, etc. required for the execution of the work shall be brought by the contractor at his own cost.

27.38 The contractor shall maintaine the recorded of this material (cement, steel etc) in spiscrbed proforma and register at directed by Engineer in charge. The sample of described perform is attached at the end. These register shall be signed both of contractor and representative of the Engineer in charge. These register shall be made available for inspection, verification for the department as and when required. These register shall be in the custody of the department shall be maintained by the department.

28.39 The material required only for the work shall be kept in the go down at the site. No material shall be shifted outside of the godown .site accepts for the work for which the arrangement is entered without prior approval of the Engineer in charge.

28.40 The material i.e. cement steel etc. brought on the work site shall be complained with necessary company / manufacturing firm test certificate in addition with material shall be tested as per frequency prescribed by the department and cost of such testing shall be borne by the contractor If the test result are satisfactory then and then only the material shall be allowed to be used on work. If the test result is not as per standard prescribed theses material shall be immediately removed from the work site at contractor cost. In case of cement if so requested by the contractor in writing material shall be allowed to be used before receipt of test result by this work be entirely at the risk and cost of the contractor.

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28.41 The contractor shall produce sufficient documentary evidence i.e. will be for purchase of material brought on the site of work at once if so required by department.

28.42 All these material i.e. cement, steel etc. shall be protected from any damages rains etc. by the contractor at his own cost.

28.43 The contractor will have to erect the temporary shed of approved specifications for storing of above material at work site at contractor cost. having double locking arrangement (by double lock it / meant that godown shall always be locked by two locks, on one lock being owned and operated by contractor and other by Engineer in charge or his authorized representative and the door shall be opened able only after both lock are opened.

28.44 If required the weighment of cement bag / steel etc. Brought by the contractor shall be carried out at his own cost.

28.45 The contractor shall not use cement and other material for the item to be executed outside the scope of the contract accept for such ancillary small items as are connected and absolutely necessary for this work are may be decided by the Engineer in charge..

28.46 The government shall not be responsible for the loss in cement and steel during transit the work site the cement brought by the contractor at work site store shall mean 50 kilogramme equivalent to 0.0347 cubic meter per bag by weight . The rate quoted should be correspondence to this method of racking in case of ordinary high control concrete if commence found short the shortage / shortages will be made good by the contractor at his cost.

29. MISCELLANEOUS :-

29.1 Rate shall be inclusive of all taxes, royalties and cesses etc.

29.2 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.

29.3 In case it becomes necessary for the due fulfillment and performance of the 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 they are payable as mutually agreed between them. The Department will afford the Contractor all the reasonable assistance to enable him to obtain Government land for such purpose on usual terms and conditions as per rules of Government, if such land is available.

29.4 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 specifications is given without reproducing the details in contract.

29.5 Suitable separating barricades and enclosures shall be provided to separate material brought by Contractor and material issued by Government to Contractor under Schedule 'A'. Same applies for the material obtained from different sources of supply.

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29.6 It is presumed that the contractor has gone carefully through the standard specification of the P.W.D. hand book and schedule of rates of the division and studied the type condition before arriving the rates quoted by him. Decision of the Engineer in charge shall be final as regards interpretation of the specification.

29.7 The stacking and storage of construction material at site shall be in such a manner as to prevent deterioration or infusion 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 likelihood of subsistence of soil; such heavy materials shall be stored on approved platforms.

29.8 For road and bridge works the Contractor shall in addition to the specification cited here, comply with requirements of relevant I.R.C. Code practice.

29.9 The Contractor shall be responsible for making well the damages done to the existing property during construction by the men.

29.10 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.

29.11 The contractor shall provide, maintained furnish and remove on completion, temporary shed for office on the work site for the use of Execute Engineer representative.

29.12 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.

29.13 General directions or detailed description of work, materials and items coverage of rates given in the specifications are not necessarily repeated in the Bill of Quantities. 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.

29.14 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 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.

29.15 All measurements will be made in accordance with the methods indicated in the specification and read in conjunction with the General Conditions of Contract.

28.16 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 Government 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.

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29.17 The recoveries if any due from Contractor will be affected as arrears of land revenue through the Collector of the District.

29.18 The protection for underground telephone cable and aerial telephone wires and poles, transmission towers, electrical cable and water supplying line it will be therefore 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 concerned department .Any damage whatsoever done to these cables and pipe line by the contractor shall be made good by him at his cost.

29.19 **Public Utilities :**

Action in respect of public utility will be taken by the contractor as envisaged in clause 110 of Ministry specification for road and bridge work (Second revision)

30. **PAYMENTS AND MEASUREMENTS :-**

30.1 **Payment :-**

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, all taxes etc. (Other than GST) And should also include all expenses to cover the cost of night work if and when 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 specification and in the schedule of payment, if there is any ambiguity or doubt in this respect the decision of Superintending Engineer will be final.

30.2 Two payments in a month will be granted by the Engineer in charge for construction of Bridge, if the progress is satisfactory, and shall be made as per, accepted payment schedule.

30.3 Ground levels will be taken by the usual method and by Department staff in presence of contractor's representative. Required labour etc. for this shall be supplied by the contractor, in case of slushy portion, the ground levels shall be taken by erecting the leveling staff on wooden plank (0.5 x 0.5 meters, 2.5 cm thick) without claiming extra for cost of plank or by any other mutually agreed method.

30.4 Contractor can have copies of the measurements and of the bills paid to him at his own cost and his own responsibility.

31. **MAINTENANCE :- (BUILDING WORK)**

31.1 The Contractor shall maintain the finished and completed item of civil work as per Schedule 'B' and specification for a period 10 years for water proofing and 7 years for polyurethane and 5 years for remaining items after the completion of work without any extra cost to Government irrespective of the designs, standards and specifications etc. The Contractor shall get done the civil work as per specifications and drawing and keep the building in good condition through out the 10 years for water proofing and polyurethane and 5 years for remaining items. **10% (Ten Percent) amount of water proofing work and 10 %**

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amount of Antitermite Treatment work only shall be withheld from running account bill for 10 years towards waterproofing from the date of actual completion of work as maintenance charges of the maintaining and keeping the building in good condition. This 10% amount withheld towards shall be allowed to be replaced with bank guarantee or other recognized form and intermediate state if so desired in writing. This maintenance charges shall be in addition to security deposit.

31.2 On completion of the work in all respects, necessary certificate will be issued by the concerned Executive Engineer and the defects liability period will be counted from the date of issue of such certificates.

31.3 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 such rectification.

32. FINAL BILL :-

32.1 The Contractor should submit final bill within one month after completion of the work and the same will be paid within 3 months if it is in order. Disputed item and claims if any shall be excluded from the final bill and settled separately later on.

32.2 Bills for extra work or for any claim shall be paid separately apart from the interim bills for the main work. The payment of bills for the main work shall not withhold for want of decision on the extras or claims not covered in the stipulation of the contract.

32.3 Claims for extra work shall be registered within 30 days of occurrence of the event. However, bills for these claims including supporting data, details may be submitted subsequently at his own cost.

33. PRELIMINARY ARRANGMENTS :

33.1 The contractor if necessary construct temporary roads and maintain these in proper condition till the completion of the work at his own cost. If necessary, he shall also, at his own expenses make necessary arrangement for acquisition of land required by him in connection with the execution of the work.

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

33.3 The contractor shall at his own expenses, engage watchman for guarding the material and plant and machinery and the work during day and night against any pilferage of damages and also for prohibiting trespassers or damage to them.

33.4 The contractor shall have to make his own arrangement for water required for any purpose on the work.

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34. INSPECTION :

34.1 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 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 affect 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 modifications or reconstruction have been effected at the cost of the Contractor as shall enable him to certify that the work has been completed to his satisfaction.

34.2 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 the work at his own cost.

34.3 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 contractor shall not be entitled for payment of any compensation for the same.

35. ACCIDENT :

In the event of an accident involving serious injuries or damages to human life or death of any of his employees and or labourers or trespassers, the same will be reported within 24 hours of the occurrence to the Executive Engineer and the Commissioner of workmen's compensation.

36. PLANT :

All constructional plant, provided by the contractor shall when brought on to 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 (Say for the purpose of moving it from one part of the site to another or the repairs etc.) without the consent in writing of the Engineer in charge which shall not be unreasonably withheld .For concrete works contractor shall use only " Reversible Drum System Concrete Mixer " of 8 to 12 Cubic Meter per hour capacity of any Standard Company.

37. EXCEPTED RISKS :

37.1 The contractor shall be under no liability whatsoever by way indemnity or otherwise for or in respect of destruction of or damage to the works (save work condemned under the provision of specifications and conditions of this tender prior to the occurrence of any excepted risk hereinafter mentioned) or temporary works or to property whether of the Department of third parties or for or in respect of injury or loss which is the consequence whatever direct or indirect, were hostilities (Whether were to declared or not) invasion , act of foreign enemies, rebellion, revolution, insurrection or military of usurped power, Civil war or riot, commotion or disorder otherwise than among the contractor's own employees or his piece worker and sub-agencies (hereinafter comprehensively referred to as" The said

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excepted risks") and the department shall indemnify and save harmless the contractor against and from the same and against and from all claims , demands proceeding, damages, costs charges and expenses, whatsoever arising there out or in connection therewith and shall compensate the contractor for any loss of or damage to property of the contractor used for intended to be used/ or the purpose of the works and laying at site of work and occasioned either directly or indirectly by the said excepted risks.

37.2 If the works or temporary works or any material (whether for the former or the later brought to site shall sustain destruction or damages by reasons of permanent works and for any material so destroyed or damaged and shall be paid by the department the cost of making good any such destruction or damages whatever to the works or temporary works and for replacing or making good such material so far as may be necessary for the completion of the works on a prime costs basis as the Engineer in charge may certify to be reasonable. The contractor shall lodge his claim , in writing , supported by Engineer in charge immediately , but not later than 30 days of such occurrence of damage to works by excepted risk.

37.3 Destruction, damage injury or loss caused by the explosion or impact whenever and wherever occurring of any mine bomb , shell , grenade or other projectile missile or ammunition or explosive or war resulting from action described in above shall be deemed to be a consequence of the said excepted Risk.

38. WORKING DRAWING :-

The contractor shall submit two sets of working drawings on the base of which the measurements as aforesaid shall be based.

39. TECHNICAL COMPLETION REPORT :-

The contractor shall submit Technical completion report along with his final bill, which shall include

- i) Detailed measurements
- ii) Working drawings.
- iii) Details of material brought on site and consumed in the work, which shall also indicate standard consumption and deviation, if any, with reasons.
- iv) Test results of all materials used in work with an abstract of total tests carried out and required as per frequency of tests as laid down in the relevant M.O.S.T. specifications.
- v) Rougho-metre survey data as laid down in Acceptance criteria.
- vi) Design calculations / Job-Mix formula etc.
- vii) Maintenance-manual.

40. QUALITY ASSURANCE AND MAINTENANCE (FOR WORKS COSTING MORE THAN 100 LAKHS) :-

40.1. Ensure the specified quality of work which will also include necessary surveys, temporary works, etc. the contractor shall prepare a quality assurance plan and get the same

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approved from the Engineer-in-charge within one month from the date of work order. For this the contractor shall submit an organisation chart of his technical personnel to be deployed on the work along with their qualification, job descriptions defining the functions of report in, supervising inspecting and approving. The Contractor shall also submit a list of tools, equipment and the machinery and instrumentation which he proposes to use for the construction and for testing in the field and / or in the laboratory and monitoring. The contractor shall modify / supplement the organisation chart and the list of machinery, equipment, etc. as per the directions of the Superintending Engineer and shall deploy the personnel and equipment on the fields as per the approved chart and list respectively. The contractor shall submit written method statements detailing his exact proposals of execution of the work in accordance with the specification. He will have to get these approved from the Engineer-in-charge. The quality of the work shall be property documented through certificate, records, checklists and logbooks of results, etc. Such records shall be compiled from the beginning of the work and be continuously updated and supplemented and this will be the responsibility of the contractor. The forms should be got approved from the Executive Engineer-in-charge.

40.1.1 Contractor shall prepare a Quality Assurance Plan (QAP) for this work. The QAP shall include the following

- i) Bar chart and CPM/ PERT
- ii) Personnel deployment with their responsibilities.
- iii) Schedule of weekly / Monthly Meeting at site office involving all functions
- iv) Use of Computer for Project Management.
- v) Training to Technical /Non-Technical Personnel Programme and implementation
- vi) Monthly Progress Reports.
- vii) Quality Procedures.
- viii) Calibration of instruments used on site
- ix) Material sources and testing frequency and reports.
- x) Safety measures.
- xi) Reference to appropriate approved drawings.
- xii) Defect Liability : how the contractor going to deal with this.
- xiii) Reference to specification, codes etc.

The contractor shall give the above plan to Engineer-in-charge within 15 days from the date of work order. The Engineer-in-charge will approve the plan within about a week's time. The contractor shall adhere to the procedure stipulated in the tender document and quality assurance plan prepared by him.

40.1.2 The contractor shall prepare detailed completion drawing after completion of the work. He shall also prepare and submit a maintenance manual giving procedure for maintenance, including inspection, tools and equipment to be used, means of accessibility for all parts of the structure. He shall also include in the manual, the specification for maintenance work that would be appropriate for his design and technique of construction. This manual shall be submitted within the contract period.

40.1.3 The contractor shall make comprehensive inspection of the structure every six months after completion of the work till the end of defect liability period. The defects noticed if any shall be rectified at his own cost under the supervision of Engineer-in-charge.

40.2 Where the work is to be done on lump sum basis on Contractor's design, the

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Contractor shall also prepare and submit a maintenance manual giving procedure for maintenance, with the periodicity of maintenance works including inspections, tools and equipment to be used, means of accessibility for all parts of the structure. He shall also include in the manual the specifications for maintenance work that would be appropriate for his design and technique of construction. This manual shall be submitted within the contract period.

41. PHOTOGRAPHS AND VIDEO SHOOTING :-

So as to observe the progress of work at different stages of execution of works the contractor shall take out Video Shooting and coloured photograph at 3 stages i.e. 1) Before execution 2) During execution 3) After completion of work Contractor shall take out at least 15 photographs of different location of each sub works at each stage and take out video Shooting for each stage. The video shooting CD and photographs will be of post card size same shall be submitted along with the running bill in duplicate.

No extra cost shall be paid to the contractor on this account.

43. While the work is in progress, the contractor shall have to plant at least 50 number of trees as directed by the Engineer-in-charge by the road side and shall have to maintain them by watering etc. till the completion of work, during the defect liability period and maintenance period as per specifications.

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MATERIAL BRAND NAME

LIST OF NAME OF BRAND INCLUDED IN DATA BASE

SR. NO.	MATERIAL	Present Branded name incorporated in the Brand list.
Structural Steel Work		
1	Structural Steel / Reinforcement Steel	M/s TATA
		M/s SAIL
		M/s Jindal
Plain Cement Concrete		
2	CEMENT	M/s ACC
		M/s Ultratech
		M/s Ambuja
		M/s Birla Cement
		M/s Jaypee
3	WHITE CEMENT	M/s ACC
		Birla white
		J.K. White
4	Chemical Admixtures	Pidilite
		Sunanda chemicals
		Sika
		FOSROC
Reinforced Cement Concrete		
Brick Masonry		
6	ACC Blocks	Vedsidha Product Pvt. Ltd.
Expansion Joint		
7	Expansion joint board / Filler	Supreme Industries
		SIL FILL
Water Proofing		
8	Water Proofing Compound	M/s Fosroc
		M/s Perma Pvt. Ltd.
		M/s Dr. Fixit
		M/s Pidilite
		M/s Roff
		M/s Sunanda Chemicals
9	Membrane Waterproofing System	BASF
		Pidilite
		Fosroc
10	Chemical Waterproofing System	Sunanda
		Perma Constr
		Forsoloc
		Pidilite

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SR. NO.	MATERIAL	Present Branded name incorporated in the Brand list.
Paving, Flooring and Dado		
11	Glazed Ceramic / Vetrified Tiles	M/s H.R. Johnson (I),
		M/s Nitco
		M/s RAK Ceramics India
		M/s Kajaria Ceramics
		M/s Somani Tiles
		M/s Spartek
		M/s Simpolo Vetrified Pvt. Ltd.
12	Cement Concrete (Chequered) Tiles	M/s Swatik tiles
		M/s Nitco
13	Synthetic Sports flooring	Armstrong
		LG
		Wonder floor
14	Linoleum sports flooring	Armstrong
		Forgo
15	False Floor	Hewetson
		Unifloor
		Pinnacle
16	Engineered wood flooring	Armstrong
		Wernel
		Pergo
17	Cement Concrete Parkign tiles	NITCO
		Poddar
		Eurocon
		M/s Simplo Pvt. Ltd.
18	Interlocking Concrete Blocks / Paving block	Ultra
		Shree
		Hindustan tiles
		NITCO
		M/s Simplo Pvt. Ltd.
Wood finish		
19	Melamine polish	M/s Asian Paint
		M/s Berger
		M/s Shalimar
		Pidilite Industries

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SR. NO.	MATERIAL	Present Branded name incorporated in the Brand list.
20	Ply-wood	M/s Archid ply
		M/s Century
		M/s Duro
		M/s Green Ply
		M/s Kitply
		M/s Anchor
		M/s Mayur
21	Veneers	M/s Green Ply
		M/s Century
		M/s Kitply
		Anchor
22	Decorative Laminates	M/s Greenlam
		M/s Century Ply
		M/s Merino
		M/s Royal touch
		Kitply
23	Wood Polish Finishes (Lacquer, Varnish, Polyurethane)	M/s Asian Paints
		M/s ICI Dulux Paints
24	Adhesive	M/s Fevicol
		M/s Vemicol
		M/s Dunlop
		M/s Pidilite
		M/s Speedex
Oil Painting / Colouring		
25	Paint / Primer / Oil Bound Distemper / Acrylic paint	M/s Asian Paints
		M/s ICI Dulux Paints
		M/s Nerolac
		M/s Berger Paints
		M/s Nitco Paints (M/s Sherwin Williams)
		M/s New world paints
26	Water proof cement paint	M/s Snowcem (Super Snowce, Sandtex Matt)
		Asian paint
		Berger
		M/s Nitco
27	Synthetic enamel paint	Berger
		Nerolac
		Asian
		M/s ICI Dulux Paints

Contractor.

Executive Engineer.

SR. NO.	MATERIAL	Present Branded name incorporated in the Brand list.
28	Cement based wall putty	M/s J K White M/s Birla White M/s Ultra Tech M/s New world paints
29	Acrylic textured plaster	Asian Paints Spectrum Paints M/s New world paints
30	Ready mix cement plaster	Wall plast Ultratech
31	Anti Corrosive Bitumastic paint	Asian Berger Shalimar
32	Epoxy paint	Asian Berger Shalimar
33	Epoxy coating	BASF Forsoc M/s Kangaru Polymers Pvt. Ltd.
Roofing and ceiling		
34	Gypsum Board False ceilings	M/s Armstrong M/s Aerolite M/s Saint Gobain Gyproc India Ltd. M/s Ramco Industries (Hilux) M/s India Gypsum Pvt. Ltd.
35	Metallic false ceilings	M/s Armstrong M/s Aerolite Saint Gobian
36	Mineral fibre board false ceiling	M/s Armstrong M/s Saint Gobain
37	Gypsum board	Saint Gobain Armstrong M/s Century
38	Acoustic Insulation	Lloyd Insulation Saint Gobain Armstrong
39	Galvanized sheet	M/s Alpha

Contractor.

Executive Engineer.

SR. NO.	MATERIAL	Present Branded name incorporated in the Brand list.
40	Pre-engineered Building Metal roofings & Purlins	M/s Alpha
41	Roof heat transformer	M/s Kangaru Polymer Pvt. Ltd.
Doors and Window		
42	Wooden Flush Doors	M/s Green ply
		M/s Century
		M/s Kitply
		M/s Archid ply
		M/s Duro
		M/s Mayur
43	M.S. Fire rated door	M/s Godrej
44	PVC/FRP Doors & Frames	M/s Deep Doors
45	Steel Doors, Windows / frames	M/s Welcome Door
		M/s Techome
46	Door Closer / Floor Spring / Hardware	M/s Godrej
		M/s Dorma
		M/s Hardwyn
		M/s Dorset
47	Mortise Locks, Night latch	M/s Dorset (solo)
		M/s Godrej
		M/s Harrison
48	Decorative High SS Finish Fittings and Fixtures	M/s Hafele
		M/s Dorma
		M/s Dorset
49	Glass / Reflective glass	M/s Saint Gobain
		M/s Modi Guard
		M/s Indo-Asahi Glass
		M/s Tata float glass
50	Aluminium section / Fitting / Hardware	M/s Hindalco
		M/s Jindal

Contractor.

Executive Engineer.

SR. NO.	MATERIAL	Present Branded name incorporated in the Brand list.
Water Supply and Sanitary Fitting		
51	Sanitary ware material Sanitary fitting / fixtures	M/s Hindustan Sanitaryware Limited (hindware)
		M/s Cera Sanitaryware Limited
		M/s Parryware Roca India
		M/s Kohler India
		M/s Jonhson
		M/s RAK Ceramics India
		M/s Jaguar
		M/s Simpolo Pvt. Ltd.
52	G.I. Pipe	M/s Tata
		M/s Jindal Hlssar
		M/s SAIL
		M/s Prakash-Surya
53	G.I. fitting	M/s Zoloto-M
		M/s Unik
		M/s Tata
		M/s Bansal
	Ductile Iron pipe / fitting	Jindal
		Kesoram
54	C.I. Pipe	M/s Hindustan
		M/s Neco
55	Ductile Iron cover / Manhole cover	M/s Neco
		M/s Kazaria
56	RCC Pipes	The Indian Hume Pipe
		Jain & Co.
57	Kitchen / Stainless Steel sink	M/s Nirali
		M/s Hindware
		M/s Johnson
58	UPVC / CPVC / PVC pipe & fitting	M/s Supreme Polytabes Pvt. Ltd.
		M/s Astral Poly Technik Ltd.
		M/s Finolex Industries Ltd.
59	Water Supply valves	M/s Zoloto-M
		M/s Unik
		M/s Kirloskar
60	PVC water tank	Sintex
		Plasto

Contractor.

Executive Engineer.

SR. NO.	MATERIAL	Present Branded name incorporated in the Brand list.
Building Miscellaneous Items		
61	Anti-termite Treatment chemical	M/s Bayer
		M/s Pidilite
62	Structural Sealant	Dow corning
		Wacker
		GE
		Fowroc
		BASF
63	Polysulphide sealant	Pidilite
		Fosroc
		M/s Kangaru Polymer Pvt. Ltd.

Contractor.

Executive Engineer.

अ.क्र.	उत्पादकाचे / कंपनीचे नांव	ढोबळमानाने साहित्याचा तपशील	शेरा
1	M/s Perma Construction Aids Pvt Ltd. Mumbai, M.S.	1) Water Proofing Compound 2) Structural rehabilitation repair products 3) Polymer tile fixing adhesives 4) Coloured polymer tile joint fillers 5) Admixtures for concrete 6) Foundation protection treatment 7) Polypropylene fibres 8) Wall putty 9) Floor Hardeners 10) Grouts for machine foundation 11) Epoxy bonding agents	
2	M/s Apple Chemie India Pvt. Ltd. Nagpur	1) Admixtures for concrete 2) Curing Compound / Integral Crystalline Waterproofing method 3) Epoxy / Polyester resin 4) Sealant 5) Cement based adhesive (Waterproofing tile adhesive) 6) Segment Bond Adhesive 7) Tile joint filler 8) Epoxy Putty 9) Membrane waterproofing 10) Cement based waterproofing 11) Readymade Plaster 12) Cement based grout 13) Non Shrink grout 14) Bonding agent 15) Liquid Polymer Membrane Waterproofing 16) Coal Tar Epoxy for sub structure protection	
3	M/s Asian Granito India Ltd., Ahmedabad, Gujrat.	1) Vitrified Floor Tiles 2) Ceramic Floor Tiles 3) Ceramic Wall Tiles 4) Glazed Vitrified Floor Tiles 5) Vitrified Parking Tiles 6) Marbles & Quartz 7) Power Grace (Tile Adhesive Mortar, Grouts, Epoxy)	

Contractor.

Executive Engineer.

GENERAL GUIDELINES FOR WATERPROOFING WORK FOR REFERENCE OF CONTRACTOR

(NOTE: The Contractor is required to give detailed specifications for each item of waterproofing work).

1. Roof Slab and Terrace:

Providing average 112 mm. thick cement based waterproofing treatment with brick bat coba bedding by keeping the treatment minimum 75 mm. thick at the rain water pipe point and keeping the gradient not flatter than 1 in 100.

- a) Cleaning the surface to the requirements.
- b) Giving a coat of wash mixed with cement.
- c) Providing 12 mm. thick cement mortar bed with admixture of waterproofing compound to form a bed for brick bats. Special care shall be taken at the junction of parapet and terrace slabs to ensure gaps, if any, are properly sealed.
- d) Placing brickbats of varying sizes (average 80 mm thick) to a proper slope and grouting their joints with chemical process in cement mortar with 2% with waterproofing compound.
- e) Providing all around the terrace large waterproof wattas (rounding's) up to a height of 30 cm. in P.C.C. or as directed above the finished level of waterproof 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 treatment to the walls of toilets up to the height of 1.00 meter above the finished floor level.
- e) Providing waterproof wattas all around the toilets.
- f) Grouting the mouths of inlets and outlets
- g) Filling sunk portion with brick bats including water proof 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 while shall be tested for water tightness and leakages, if any, shall be rectified forthwith without any extra cost to the Department.

Contractor.

Executive Engineer.

GENERAL CONDITIONS / SPECIFICATIONS FOR WATERPROOFING

Rates for respective items shall include for the additional specifications:

1. The work of waterproofing described in the following items shall be carried out by the contractor only through a renowned specialist waterproofing agency using cement waterproofing compounds, as approved in writing by the Executive Engineer.
2. The Contractor shall give before actual execution, detailed specifications for each item of work of waterproofing to be executed according to the specifications of the specialist agency he 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 10 years for all the items of waterproofing done. During the guarantee period, the contractor shall entirely be responsible to rectify any defect at his own cost to maintain the work in waterproof condition. The waterproofing contractor shall also have rectification work at his own cost. The form of written guarantee shall be on a legal stamped agreement acceptable to the Government. The Guarantee shall be given within one month from the date of completion of waterproofing treatment but any delay in furnishing the guarantee shall not relieve the contractor from the implications of this clause.
4. **DELETED**
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:
 - i) Two pumps electrical/diesel operated for watering and curing at any level in the building. Curing for all items shall be carried out for a minimum period of 14 days.
 - ii) Temporary Mild Steel water storage tanks.
 - iii) Temporary galvanized iron piping's and fittings for water line.
 - iv) Flexible hose lengths.
 - v) Cement Godown, site office.
6. Injections 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 "8" applies for work in any position and on any floor and at any height. The lift of the materials shall not form any criteria for extra payment.
9. For the reference of contractor, guideline specifications for waterproofing are attached herein with the General Specifications for waterproofing.

Contractor.

Executive Engineer.

GUARANTEE BOND FOR WATERPROOFING AND POLYURETHANE

(On Stamp Paper worth Rs. 500/-)

NAME OF WORK :- Renovation of Babasaheb Ambedkar Regional Training Institute (BARTI) campus, 28 Queens Garden, Camp, Pune-1.

NAME OF AGENCY:-

Agreement No. :-

The Contractor thereby declared that the waterproofing 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 hereof 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 of ten 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 herein contained shall prejudice any other right of the Department in that behalf under this contract or otherwise

Date :-

Contractor

Place :-

Contractor.

Executive Engineer.

Schedule -B and Specifications

Notes:

1. All the quantities shown in Schedule -'B' are approximate and are likely to vary at the time of actual execution, as such no claims on this account shall be entertained.
2. All the rates are inclusive of all leads and lifts, labour and material involved for completed items and site clearance.
3. The rates are inclusive of all taxes, octroi and royalty charges.
4. The work shall be carried out as per the instructions / orders and to the entire satisfaction of the Engineer-in-charge.
5. The detailed specifications are as per Standard Specification Book Volume-I, Edition 1979 and Volume-II Edition 1981 published by the Government of Maharashtra in Public Works Department and Specifications for Building / Road and Bridge Works published by the Ministry of Road Transport and Highways 2001 Edition.
6. In case of detailed specification, all other specifications not quoted directly in Column No.8 and 9, but quoted in Standard Specifications Book as Part-3 are also applicable as and where necessary, even if such specification numbers are not mentioned in Column No.8 &9. For any points not covered by the specifications given in the Specification Book or given as additional specification for respective items, the instructions of the Executive Engineer are final and binding on Contractor.
7. Government Circulars issued previously and will be issued hereafter are binding on the Contractor.

Contractor.

Executive Engineer.

SCHEDULE - " B "

Contractor

Executive Engineer

NAME OF WORK :- Renovation of Babasaheb Ambedkar Regional Training Institute (BARTI) campus, 28 Queens Garden, Camp, Pune-1.

S C H E D U L E - 'B'
(Part A Work Portion)

Memorandum showing the items of work to be carried out by the Contractor

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
1	38.31	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 etc. complete. (Lift upto 0.00 to 1.5 Metre) By Manual Means.	250=70	Rupees two hundred fifty and paise seventy only.	One Cubic Metre	9,604=30
2	12.77	Excavation for foundation in hard murum including removing the excavated material upto 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 etc. complete. (Lift upto 1.50 m) By Manual Means	382=90	Rupees three hundred eighty two and paise ninety only.	One Cubic Meter	4,889=65

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
3	50.96	Removing G.I. or A.C. sheet roofing including purlins, principal rafters etc. including sorting serviceable and unserviceable materials, stacking the same as and where directed in the compound including scaffolding etc. complete.	93=35	Rupees ninety three and paise thirty five only.	One Square Metre	4,757=10
4	10.00	Removing W.C. pans including disconnecting the sanitary and water supply connections removing breaking flooring and bed concrete around pan removing the same carefully and stacking the serviceable materials as and where directed including of throwing the unserviceable materials outside etc. carefully and throwing out the refusal outside etc. complete.	217=15	Rupees two hundred seventeen and paise fifteen only.	One Number	2,171=50
5	260.79	Dismantling flat wooden or A.C. sheet ceiling with frame work including stacking the materials as directed with all leads, lifts etc. complete.	62=95	Rupees sixty two and paise ninety five only.	One Square Metre	16,416=75
6	5.00	Removing rich mix cement concrete including stacking the spoils as directed with all leads, lifts etc. complete.	975=55	Rupees nine hundred seventy five and paise fifty five only	One Cubic Metre	4,877=75
7	27.00	Removing doors and windows with frames and stacking the materials as directed with all leads, lifts, etc. complete.	163=65	Rupees one hundred sixty three and paise sixty five only.	One Number	4,418=55
8	106.64	Removing cement tiles, or marble or polished shahabad floor or dado without bed concrete including stacking the materials as directed with all leads, lifts, complete.	47=20	Rupees forty seven and paise twenty only.	One Square Metre	5,033=40

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
9	9.00	Removing urinal pans or wash hand basins with frame including disconnecting the sanitary and water supply connections, removing the same carefully and stacking the serviceable materials as and where directed including throwing the unserviceable materials outside etc complete	100=70	Rupees one hundred and paise seventy only.	One Number	906=30
10	40.20	Removing the tar or coba and disposing of the material as directed etc. complete.	27=25	Rupees twenty seven and paise twenty five only.	One Square meter	1,095=45
11	600.00	Removing old paint from steel and other metal surfaces even with hand scrapping, scaffolding etc. complete.	17=85	Rupees seventeen and paise eighty five only.	One Square Metre	10,710=00
12	36.00	Replacement of damaged alluminium Butt Hinges of 125 mm of approved quality and make to door shutter including removing existing the same in original position making proper adjustment for smooth operation etc. complete as per sample approved by Engineer incharge.	309=45	Rupees three hundred nine and paise forty five only.	One Number	11,140=20
13	36.00	Replacement of damaged Aldrop 300 mm Chromium plated of approved quality and make to door shutter including removing existing the same in original position making proper adjustment for smooth operation etc. complete as per sample approved by Engineer in-charge.	393=40	Rupees three hundred ninety three and paise forty only.	One Number	14,162=40

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
14	8.00	Replacement of damaged Mortise Lock of approved quality and make to door shutter including Removing and Refixing with Necessary screw, making proper adjustment for smooth operation etc. complete as per sample approved by Engineer in-chareg.	1,296=55	Rupees one thousand two hundred ninety six and paise fifty five only.	One Number	10,372=40
15	25.00	Replacement of damaged Alluminium Handle 125 mm of approved quality and make to door/window shutter including removing existing the same in original position making proper adjustment for smooth operation etc. complete as per sample approved by Engineer in-charge.	186=70	Rupees one hundred eighty six and paise seventy only.	One Number	4,667=50
16	10.31	Providing Soiling using 80 millimetre size trap metal in 15 centimeter layer including filling voids crushed sand/grit, ramming, watering etc. Complete.	2,303=80	Rupees two thousand three hundred three and paise eighty only.	One Cubic Metre	23,752=20
17	11.39	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, Steel centering, form work, 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 without SCADA enabled reversible Drum Type mixer. Batch mix plant (pan mixer) etc. complete. With fine aggregate (Crushed Sand VSI Grade)	6,782=75	Rupees six thousand seven hundred eighty two and paise seventy five only.	One Cubic Metre	77,255=50

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
18	76.96	Providing internal cement plaster 6 millimeter thick in single coat in cement mortar 1:4 without neeru finish to concrete surfaces, in all positions including scaffolding and curing complete.	222=65	Rupees two hundred twenty two and paise sixty five only.	One Square Metre	17,135=15
19	277.12	Providing internal cement plaster 12 millimeter thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing complete.	303=40	Rupees three hundred three and paise forty only.	One Square Metre	84,078=20
20	202.24	Providing sand faced plaster externally in cement mortar using approved screen sand in all positions including base coat of 15 millimeter thick in Cement Mortar 1:4 using waterproofing compound at 1 kilogram 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 millimeter thick in Cement Mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc complete.	712=35	Rupees seven hundred twelve and paise thirty five only.	One Square Metre	1,44,065=65
21	1917.41	Providing and applying Two coats of wall care Putty on plastered surface and Ceiling and Walls to prepare surface even and smooth of approved make, etc complete.	94=40	Rupees ninety four and paise forty only.	One Square Metre	1,81,003=50

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
22	212.34	Providing and applying gypsum plaster (with Gypsum material of Gypsum India / Mega Sign or equivalent make) with finishing with gypsum material in 10 to 13 millimeter thickness to previously plastered surface / or on newly brick surface (Excluding rough cast plaster) in all position including preparing and Finishing the surface scaffolding etc. complete.	802=50	Rupees eight hundred two and paise fifty only.	One Square Metre	1,70,402=85
23	1917.41	Providing and applying Royale Luxury Emulsion of approved make on internal wall surface as detailed below Scrapping for surface with emery paper and wipe clean for area. wall primer with brush by adding mineral turpentine oil by 8 to 10 % or water by 15 to 20% allowing to dry for 6 to 8 hours After applying acrylic wall putty with appropriate prpportion of water of allow to dry for period of 4 to 6 hours of activity. Scrapping with emery paper and wipe clean Applying paints Royale Luxury emulsion 1st coat with brush water content water 40 to 45% or 65 to 70% by role Applying paints Royale luxury emulsion 2nd coat with brush with water content 40 to 45% or 65 to 70 % by roller. (With prior approval of S.E.)	288=50	Rupees two hundred eighty eight and paise fifty only.	One Square Metre	5,53,172=80
24	47.12	Providing and applying plastic emulsion paint of approved quality, colour and shade to old and new surfaces in two coats including scaffolding, preparing the surfaces (excluding the primer coat) complete.	83=90	Rupees eighty three and paise ninety only.	One Square Metre	3,953=35

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
25	234.19	Providing and applying two coats of exterior weather shield paint 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. NOTE : For item No. 15 to 18 prior approval of Superintending Engineer will be necessary.	309=45	Rupees three hundred nine and paise forty five only.	One Square Metre	72,470=10
26	30.00	Mazdoor for cleaning area.	645=15	Rupees six hundred forty five and paise fifteen only.	Per One Day	19,354=50
27	135.00	Providing and applying melamine polish of required finish to the wood work by spray machine including knotting and preparing the even surface by scraping, applying French polish, scaffolding if required etc. complete. Note:The work to be executed on prior approval of Superintending Engineer will be necessary.	869=60	Rupees eight hundred sixty nine and paise sixty only.	One Square Metre	1,17,396=00
28	300.00	Providing and applying two coats of lead/zinc base oil paint/ bituminous paint of approved colour and shade to old wood work and fiber boards previously painted including if necessary scaffolding preparing the surface, excluding primer coat etc. complete.	75=55	Rupees seventy five and paise fifty five only.	One Square Metre	22,665=00
29	300.00	Providing and applying two coats of synthetic enamel paint of approved colour to new / old structural steel work and wood work in buildings, including scaffolding if necessary, cleaning and preparing surfaces (excluding primer coat) complete.	100=70	Rupees one hundred and paise seventy only.	One Square Metre	30,210=00

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
30	57.25	Providing and laying Rough Shahabad Stone Flooring 25mm to 30mm thick and of required width in plan / diamond pattern on a bed of 1:6 C.M including cement float, striking joints, pointing in cement mortar 1:3 curing and cleaning etc. complete.	779=30	Rupees seven hundred seventy nine and paise thirty only.	One Square Meter	44,614=95
31	100.82	Providing and laying vitrified mirror / glossy finish tiles decorative type having size 590 millimeter to 605 millimeter x 590 millimeter to 605 millimeter of 8 to 10 millimeter thickness and confirming to Indian Standard 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 cleaning etc. complete.	1,244=30	Rupees one thousand two hundred forty four and paise thirty only.	One Square Metre	1,25,450=35
32	47.70	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.	1,268=45	Rupees one thousand two hundred sixty eight and paise forty five only.	One Square Metre	60,505=05
33	144.63	Providing and laying ceramic tiles having size 30 centimeter X 45 centimeter confirming to corresponding Indian Standard 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 complete.	1,351=95	Rupees one thousand three hundred fifty one and paise ninety five only.	One Square Metre	1,95,532=55

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
34	30.45	Providing and laying telephone black / Amba White / Cadbury brown / Ruby red / Ocean Brown granite stone of 18 to 20 mm thick for door frame/ dado/ window boxing etc. On C.M. 1:6 including filling joints with polymer base filler nosing/moulding the sharp edges wherever necessary, curing, etc. complete.	4,612=25	Rupees four thousand six hundred twelve and paise twenty five only.	One Square Metre	1,40,443=00
35	15.39	Providing and fixing black kadappa stone as shelves 25 millimeter thick machine polished, extending the polish upto 20 centimeter width on lower side, rounding corners, laying in position jointing with bedding cement mortar 1:4 proportion curing etc. complete.	1,292=15	Rupees one thousand two hundred ninety two and paise fifteen only.	One Square Metre	19,886=20
36	33.58	Providing and laying in situ cement concrete M-20 with tremix treatment for 100 millimeter thickness for flooring with groove cutting of 4 millimeter wide and 20 millimeter deep with necessary refilling with bitumen etc. complete.	909=55	Rupees nine hundred nine and paise fifty five only.	One Cubic Metre	30,542=70
37	65.96	Providing and fixing 1.5 mm thick polyvenyl vinyl chloride flooring including leveling the base with white cement including pasting with appropriate material cleaning the surface etc. complete	692=25	Rupees six hundred ninety two and paise twenty five only.	One Square Metre	45,660=80

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
38	8.00	Providing and fixing white glazed earthenware Wash Hand Basin of 45 centimeter x 30 centimeter size 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 upto the outside face of the wall. Making good the damaged surface testing etc. complete.	6,037=40	Rupees six thousand thirty seven and paise forty only.	One Number	48,299=20
39	10.00	Providing and fixing C.P. Angular stop clock with wall flange of approved make continental including necessary sockets / union nut etc. complete.	2,818=65	Rupees two thousand eight hundred eighteen and paise sixty five only.	One Number	28,186=50
40	5.00	Providing and fixing European type wall hung white water closet of approved make with push valve concealed type with cover plated 32 millimeter size of approved make including soil pipe, vent pipe upto outside face of wall, 100 millimeter diameter G.I. plug bend inlet pipe all fittings, cutting and making good walls, floors etc. complete.	15,762=25	Rupees fifteen thousand seven hundred sixty two and paise twenty five only.	One Number	78,811=25

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
41	2.00	Providing and fixing Oval Type Under Counter Wash Hand Basin of 16 inch X 22 inch size and of special colour shade having Telephonic Black / Colour Granite of 180 millimeter thick stone Black Kadappa Framework, including Chromium Plated Coupling Bottle-Trap using CERA Company or equivalent Oval Type Wash basin Model No. 3448 as per detailed drawing or as directed by Engineer-in-Charge etc. complete. (Counter size 1.20 m. X 0.60 m.)	9,230=15	Rupees nine thousand two hundred thirty and paise fifteen only.	One Number	18,460=30
42	5.00	Providing and fixing European type white glazed earthenware water closet pan with UPVC set and lid with chromium plated brass hinges and rubber buffers including UPVC and vent pipes upto the outside face of the wall 10 liter enameled low level flushing cistern with fittings pipe stop brackets for fixing cistern 32 millimeter diameter UPVC flush pipe with fittings and clamps 20 millimeter diameter UPVC overflow pipe, mosquito proof couplings G.I. chain and pulley, with water Jet and fitting including cutting and making good to the walls and floors testing etc. complete. (prior approval of sample and brand by Ex. Engineer is necessary before use)	12,184=05	Rupees twelve thousand one hundred eighty four and paise five only.	One Number	60,920=25

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
43	38.86	Providing and fixing on walls / ceiling / floors 15 millimeter diameter CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD choky or as directed etc. complete.	279=05	Rupees two hundred seventy nine and paise five only.	One Running Metre	10,840=90
44	29.40	Providing and fixing on walls / ceiling / floors 20 millimeter diameter CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD choky or as directed etc. complete.	325=20	Rupees three hundred twenty five and paise twenty only.	One Running Metre	9,560=90
45	31.96	Providing and fixing on walls / ceiling / floors 25 millimeter diameter CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD choky or as directed etc. complete.	393=40	Rupees three hundred ninety three and paise forty only.	One Running Metre	12,573=05
46	19.60	Providing and fixing on walls / ceiling / floors 40 millimeter diameter CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD choky or as directed etc. complete.	565=40	Rupees five hundred sixty five and paise forty only.	One Running Metre	11,081=85

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
47	2000.00	Providing and fixing H.D.P. Container Syntex or alike one piece moulded water tank made out of low density Polyethyler and built Corrugated inclusive delivery up to destination housting fixing of accessories such as inlet, outlet overflow pipe inclusive of all Tanks Capacity above 1000 litres to 20,000 litres.	11=55	Rupees eleven and paise fifty five only.	One Litre	23,100=00
48	1.60	Providing and fabricating structural steel work in rolled section like joist channels, angles, tee etcetera as per detailed designs and drawing or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted / welded connection without connecting plates, braces etc and including one coat of anticorrosive paint and over it two coat of oil paintings of approved quality and shade complete.	1,06,834=35	Rupees one lakh six thousand eight hundred thirty four and paise thirty five only.	One Metric Tonne	1,70,934=95
49	115.87	Providing and fixing corrugated galvanised iron sheets of 0.63 milimeter thick (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron screws and bolts, lead and bitumen washers as per drawing etc. complete.(Weight of 5.5 Kilograms / Square Meter).	912=65	Rupees nine hundred twelve and paise sixty five only.	One Square Meter	1,05,748=75

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
50	269.41	Providing and fixing colour coated Zinalume (R) AZ150 (min 150 gms/sq.mt. total on each side) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45mm Base Metal Thickness (BMT) (0.5mm TCT), Hi-strength steel with min. 550 MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% aluminium 43.4 % zinc 1.6% silicon) with COLORBOND (R) steel quality super durable polyester paint coat (with inorganic pigment). The paint shall have a total coating thickness of nominal 35 mm, comprising of nominal 25 mm exterior coat on top surface and nominal 10 um reverse coat on back surface. Profile sheet shall have nom. 950-1050 mm effective cover width and nominal 25-30 mm deep ribs with subtle square fluting in the five pan at nominal 180-250 mm center-to center. The end rib shall be designed for anti-capillary groove & return leg. The feed material should have coil manufactures product details marked a regular interval. Including fasteners with min. fastened with min. 25 um Zinc-Tin alloy coated, Hex head, self-drilling screw etc. complete. (weigh of profile 4.52 kg/sqm) 600 mm girth (Surface Width).	787=80	Rupees seven hundred eighty seven and paise eighty only.	One Square Metre	2,12,241=20

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
51	50.84	Providing and fixing Modular false ceiling of 600 X 600 mm center to center and 13 mm thick square mineral fiber board to be fixed on frame work of alluminium sections for suspended false ceiling consisting of alluminium T 2"x 1½" (50 mm x 40 mm) weighing 0.39 kg/m at 60 cms center center and fixed with ½" x ½" (15 x 15 mm) flanges weighing 0.19 kg/m suspended on 6 mm dia. mild steel rod weighing 0.22 kg/m, fixed on wall and beams including rounding of the edges with alluminium T of 2" x 1½" (50 mm x 40 mm) weighing 0.39 kg/m etc. (all alluminium sections shall be anodized) including all labor, material, lifts etc. complete.	2,693=85	Rupees two thousand six hundred ninety three and paise eighty five only.	One Square Metre	1,36,955=35
52	15.44	Providing and fixing frame work of anodised aluminium sections for suspended false ceiling consisting of aluminium T 50 mm x 40 mm weighing 0.39 Kilogram/m. at 60 cms c/c and fixed with (15 x 15 mm) flanges weighing 0.119 Kilogram/m suspended on 6 mm dia. mild steel rod weighing 0.22 Kilogram/m fixed on wall and beams including rounding of the edges with aluminium T of 50 mm x 40 mm weighing 0.39 Kilogram/m etc. including all labour etc. complete.	2,693=85	Rupees two thousand six hundred ninety three and paise eighty five only.	One Square Metre	20,553=75

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
53	15.44	Providing and fixing false ceiling of 12 millimeter thick as per drawings including powder coated G.I. wall angle of 20 millimeter X 20 millimeter size, G.I. grid runners of size 20 millimeter X 38 millimeter at 600 millimeter center to center both ways and suspended using G.I. wire 3 millimeter wire including fixing using butterfly clips and fasteners including transporting, scaffolding all necessary labour and machinery, finishing etc. complete.	1,601=80	Rupees one thousand six hundred one and paise eighty only.	One Square Metre	24,731=80
54	0.21	Providing and fixing frame with / without ventilator of size as specified with Country cut teak wood for doors and windows including chamfering, rounding, rebating hold fast size 300 millimeter X 40 millimeter X 5 millimeter with oil painting etc. complete.	1,12,360=50	Rupees one lakh twelved thousand three hundred sixty and paise fifty only.	One Cubic Metre	23,595=70
55	9.56	Providing and fixing country cut teak wood double or single leaf second class fully paneled doors 35 millimeter thick shutter and 25 millimeter thick paneled with openable fanlight as per detailed drawings excluding the door frame 60 millimeter X 100 millimeter stainless steel fixtures and fastenings the wood work with oil painting 3 coats complete. (Excluding the door frame)	10,043=15	Rupees ten thousand forty three and paise fifteen only.	One Square Metre	96,012=50
56	10.80	Providing and fixing mild steel Grill door 24 kilogram / Square Metre of various size as per detailed drawing without hot dip coating, iron fixtures and fastening and three coats of oil painting etc. complete.	3,417=65	Rupees three thousand four hundred seventeen and paise sixty five only.	One Square Metre	36,910=60

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
57	14.16	Providing and fixing in position (as per 1868 /1982) Aluminium sliding window of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 kg/Rmt. with window frame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 kg/Rmt. Top and side track section 92 x 31.75 x 1.30 mm at weight 0.933 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 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 and aluminium mosquito net shutter with stainless steel jail with all required screws and nuts etc, complete. With colour Anodising without box	5,771=60	Rupees five thousand seven hundred seventy one and paise sixty only.	One Square Meter	81,725=85
58	10.64	Providing and fixing fiber glass reinforcement polyester door shutter 30 millimeter thick as per Indian Standard 14856 (2000) (Reinforced 2006) without ventilators including chromium plated fixtures and fastening with chromium plated handles on both side etc. complete.	3,434=45	Rupees three thousand four hundred thirty four and paise forty five only.	One Square Metre	36,542=55

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
59	2.40	Providing and fixing in position powder coated aluminium louvered windows / ventilators of various sizes with powder coating as per detailed drawing and specifications including aliminium frames 80 millimeter X 38 millimeter 1.22 millimeter box type, 5 millimeter thick sheet glass louvers, of approved quality etc. complete.	3,636=90	Rupees three thousand six hundred thirty six and paise ninety only.	One Square Metre	8,728=55
60	7.25	Providing and fixing 12 mm thick flot glass on table top having molding on edges etc. complete. (size 1.20 X 0.60 m) as directed by engineer inchage / architectural.	4,288=00	Rupees four thousand two hundred eighty eight and paise nil only.	One Square Metre	31,088=00
61	17.21	Providing and fixing COMMERTIAL (ISI-303) 12 mm thick Commertial plywood as per archetural design and drawing with BTC Lipping, including all materials, brass, hardware, labours, polishing, antitermite treatment to plywood etc. complete.	2,148=00	Rupees two thousand one hundred forty eight and paise nil only.	One Square Metre	36,967=10
62	13.44	Providing and fixing COMMERTIAL (ISI-303) 18 mm thick Commertial plywood as per archetural design and drawing with BTC Lipping, including all materials, brass, hardware, labours, polishing, antitermite treatment to plywood etc. complete.	2,760=00	Rupees two thousand seven hundred sixty and paise nil only.	One Square Meter	37,094=40

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
63	2.55	Providing and fixing DOOR CLADING LAMINATED having size of made up of COMMERTIAL (ISI-303) Ply made up of 18 mm thick plywood and 12 mm thick COMMERTIAL (ISI-303) plywood for datty finishd with BTC wooden molding size 22 X 10 mm and finished with 100 mm thick LAMINATE confirming to (ISI 2046) Premium quality as per approved design, Plywood edges to be finished with BTC lipping, molding melamine polishing antitermite treatment and as directed by engineer in charge etc. complete.	7,021=00	Rupees seven thousand twenty one and paise nil only.	One Square Meter	17,903=55
64	6.30	Providing and fixing 44 mm thick both side LAMINATED DOOR (WITH GLASS) made up of 18 mm thick COMMERTIAL (ISI-303) plywood frame covered with 12 mm thick COMMERTIAL (ISI-303) plywood both side of the frame to get required thickness as per architectural design and drawing and covered with both side 1.00 mm thick LAMINATE confirming to (ISI 2046) grove, edges finish with 50 X 10 mm moulding including all materials brass scruw, brass hinges (125 X 12 mm) mortise lock, door stopper, antitarmite treatment to plywood, two coat melamine polish to moulding and lipping, labour charges etc. complete.	19,639=00	Rupees nineteen thousand six hundred thirty nine and paise nil only.	One Square Meter	1,23,725=70

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
65	2.70	Providing and fixing FULL HEIGHT STORAGE LAMINATED having depth 0.45 m made up of COMMERTIAL (ISI-303) 18 millimeter thick Plywood for frame work shelves, shutters and back with 12 millimeter thick plywood as per architectural design and drawing and finish with 1.00 millimeter thick LAMINATE confirming to (ISI 2046) and inside surface finish with French polish including BTC lipping, 75 millimeter brass hinges, brass screws, SS 304 grade Handel, drawer lock, 100 millimeter brass tower bolt, magnet, melamine polish two molding / lipping antitermite treatment to plywood, and as directed by Engineer in charge etc. complete.	29,226=00	Rupees twenty nine thousand two hundred twenty six and paise nil only.	One Square Metre	78,910=20
66	17.28	Providing and fixing LAMINATED WALL PANELLING made up of COMMERTIAL IS 303 Ply 18 mm thick plywood frame work of 75 mm patti at 600 mm X 600 mm center to center covered with 18 mm thick commercial plywood finished with 1 mm thick LAMINATE confirming to (ISI 2046) Premium quality as -per approved design, Plywood edges to be finished with BTC lipping, melamine polishing to molding antitermite treatment as directed by engineer in charge etc. complete.	5,467=00	Rupees five thousand four hundred sixty seven and paise nil only.	One Square Metre	94,469=75

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
67	23.94	Providing and fixing LOW HEIGHT LAMINATED PARTITION 76 millimeter thick made up of 18 millimeter thick COMMERTIAL (ISI-303) plywood 2 X 50 millimeter width frame work at 0.60 X 0.60 meter center to center and both face covered with 12 millimeter thick COMMERTIOL (ISI-303) ply treated with anti termite treatment and one side finish with 1.00 millimeter thick LAMINATE confirming to (ISI 2046) and 8.00 millimeter clear glass as per architectural design and drawing including all materials, Hardware, labors, and as directed by Engineer in charge etc. complete.	8,463=00	Rupees eight thousand four hundred sixty three and paise nil only.	One Square Metre	2,02,604=20
68	1.00	Providing and supplying Single seater sofa of overall size 750 X 750 X 750 mm height made out of 75 X 38 mm (unfinished size) C.P.T.W. sections frame, 6 mm ply generally confirming to I.S. 303 for necessary covering from back and arm rests. The seat shall be of 125 mm and back shall be of 100 mm thick duly covered with tapestry fabric / conositer leather (not less than Rs. 350/- /Rmt) including necessary hardware, naval, jute cloth, casement, springs etc. complete. All exposed wooden surface shall be melamine polished and antitermite treatment to plywood and wood work with ten years guarantee bond etc. including all leads and lift etc. complete. and as directed by Engineer incharge.	19,753=00	Rupees nineteen thousand seven hundred fifty three and paise nil only.	One Number	19,753=00

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
69	1.00	Providing and supplying Two seater sofa of overall size 1350 X 750 X 750 mm height made out of 75 X 38 mm (unfinished size) C.P.T.W. sections frame, 6 mm ply generally confirming to I.S. 303 for necessary covering from back and arm rests. The seat shall be of 125 mm and back shall be of 100 mm thick duly covered with tapestry fabric / conositer leather (not less than Rs. 350/- /Rmt) including necessary hardware, naval, jute cloth, casement, springs etc. complete. All exposed wooden surface shall be melamine polished and antitermite treatment to plywood and wood work with ten years guarantee bond etc. including all leads and lift etc. complete. and as directed by Engineer incharge.	40,288=00	Rupees forty thousand two hundred eighty eight and paise nil only.	One Number	40,288=00
70	10.00	Providing and supplying on site visitors chair made with round 2 mm thick pipe frame with chrome finish with reinforced pipe inserts having moulded seat and back with nylon back cover with PP armrest hanging back fabric etc. complete. (B1019 INDIAN) VISTER CHAIR TYPE-1	8,484=00	Rupees eight thousand four hundred eighty four and paise nil only.	One Number	84,840=00

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
71	43.68	Providing and fixing FULL HEIGHT LAMINATED PARTITION (WITHOUT GLASS) 76 millimeter thick made up of 18 millimeter thick COMMERTIAL (ISI-303) plywood 2 X 50 millimeter width frame work at 0.60 X 0.60 meter center to center and both face covered with 12 millimeter thick COMMERTIAL (ISI-303) Ply treated with anti termite treatment and both side finish with 1.00 millimeter thick LAMINATE confirming to (ISI 2046) as per architectural design and drawing including all materials, Hardware, labors, and as directed by Engineer in charge etc. complete.	7,649=00	Rupees seven thousand six hundred forty nine and paise nil only.	One Square Metre	3,34,108=30
72	3.60	Providing and fixing CENTER TABLE having SIZE 0.90 X 60 X 45 meter made up of 18 thick COMMERTIAL PLYWOOD (ISI-303) made up of as approved design and drawing and finish with 1.00 millimeter thick LAMINATE IS-2046 primum quality in approved design and grove, plywood finish with BTC lipping, internal French polishing, outer edges melamine polish antitermite treatment and as director by enginee in charge etc. completed.	19,067=00	Rupees nineteen thousand sixty seven and paise nil only.	One Square Metre	68,643=00
73	12.96	6 mm glass mirror.	1,312=60	Rupees one thousand three hundred twelve and paise sixty only.	One Square Metre	17,011=30

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
74	40.08	Providing water proof bedding for flooring of Bath and W.C. 25 millimeter thick in cement mortar 1:3 including using approved water proofing compound in specified proportion as per manufacturers specifications for per bag of cement including leveling, curing and covering 10 years guarantee on court fee stamp paper of 500/- including ponding test etc. complete.	486=75	Rupees four hundred eighty six and paise seventy five only.	One Square Metre	19,508=95
75	13.46	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 completes	9,428=30	Rupees nine thousand four hundred twenty eight and paise thirty only.	One Cubic Metre	1,26,904=90
76	7.52	Providing second class Burnt Brick masonry with conventional/ Indian Standard type bricks in cement mortar 1:6 in foundation 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 etc. complete.	9,177=60	Rupees nine thousand one hundred seventy seven and paise sixty only.	One Cubic Metre	69,015=55
77	27.28	Providing and laying in position flooring of telephone black / Amba white / Cat bary brown / RBI red / Ocean Brown granite stone of approved shade and size 18 millimeter to 20 millimeter thick on bed 1:6 cement mortar including cement float skirting joints, pointing in Cement Mortar 1:3 curing and cleaning etc. complete.	4,233=65	Rupees four thousand two hundred thirty three and paise sixty five only.	One Square Metre	1,15,493=95

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
78	2.76	Providing and laying handcut polished Kotah Stone flooring 25mm to 30mm thick and 30cm wide in plain/diamond pattern on a bed of 1:6 C.M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete.	1,297=50	Rupees one thousand two hundred ninety seven and paise fifty only.	One Square Metre	3,581=10
79	27.28	Providing leather finished polishing to Kota / Marble / Shahabad / Kadappa Stone slab by continuous grinding in 4 coats of different bits to receive rough and matty finish including buffing process before laying and fixing of stone as per drawing and design, including cleaning, washing and finishing etc. complete.	637=80	Rupees six hundred thirty seven and paise eighty only.	One Square Metre	17,399=20
80	4.92	Providing and fixing VENEER FALCE CEILLING as per detailed drawing with following specifications made up of up of COMMERTIAL (ISI-303) 18 mm thick Plywood frame work as shown in detailed drawing and 18 mm COMMERTIAL (ISI-303) Plywood for shuttering and finished with 4 mm thick VENEER confirming to (ISI-1328) Premium quality in approved design and groves, Plywood edges to be finished with BTC lipping and outer surface and edges melamine polishing etc. complete.	14,168=00	Rupees fourteen thousand one hundred sixty eight and paise nil only.	One Square Metre	69,706=55

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
81	2.52	Providing and fixing LOW HEIGHT STORAGE VANNER having depth 0.45 m made up of COMMERTIAL (ISI-303) 18 millimeter thick Plywood for frame work shelves, shutters and back with 12 millimeter thick plywood as per architectural design and drawing and finish with 4.00 millimeter thick VANNER confirming to (ISI 1328) make and inside surface finish with French polish including BTC lipping, 75 millimeter brass hinges, brass screws, SS 304 grade Handel, drawer lock, 100 millimeter brass tower bolt, magnet, melamine polish two molding, veneer, lipping antitermite treatment to plywood, and as directed by Engineer in charge etc. complete.	37,233=00	Rupees thirty seven thousand two hundred thirty three and paise nil only.	One Square Metre	93,827=15
82	3.57	Providing and fixing LAMINATED WALL PANELLING made up of COMMERTIAL IS 303 Ply 18 mm thick plywood frame work of 75 mm patti at 600 mm X 600 mm center to center covered with 18 mm thick commercial plywood finished with 1.00 mm thick LAMINATE confirming to (ISI 2046) Premium quality as per approved design, Plywood edges to be finished with BTC lipping, melamine polishing to molding antitermite treatment and as directed by engineer in charge etc. complete.	9,896=00	Rupees nine thousand eight hundred ninety six and paise nil only.	One Square Metre	35,328=70
83	4.27	Wall Paper.	3,571=40	Rupees three thousand five hundred seventy one and paise forty only.	One Square Metre	15,252=00

Contractor

Executive Engineer

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
84	37.06	Conveying and disposing off the debris up to 10 Kilometers distance out of PMC limit including loading and unloading etc. complete.	347=00	Rupees three hundred forty seven and paise nil only.	One Cubic Metre	12,860=15

PART-A (Work Portion) ...	Total Rs.	53,07,577=10
	Say Rs.	53,07,577=00

Contractor

Executive Engineer

NAME OF WORK :- Renovation of Babasaheb Ambedkar Regional Training Institute (BARTI) campus, 28 Queens Garden, Camp, Pune-1.

S C H E D U L E - 'B'
(Part B -Royalty and Testing Charges)

Memorandum showing the items of work to be carried out by the Contractor

Item No.	Quantity estimated but may be more or less	Item of Work	Estimates Rate		Unit	Total Amount according to estimated quantities
			Rupees in Figures	Rupees in Words		
1	2	3	4	5	6	7
85		TESTING CHARGES for Construction Materials.				
	2.00	Determination of Resistance to dry heat, Determination of Moisture Content, Determination of Density, Thickness of Plywood.	3,570=00	Rupees three thousand five hundred seventy and paise nil only.	One Number	7,140=00
	1.00	Compressive Strength of C.C. Cube (Set of 3 Cubes)	725=00	Rupees seven hundred twenty five and paise nil only.	One Number	725=00
86	11.86	Additional Royalty – Murum / Rubble.	216=18	Rupees two hundred sixteen and paise eighteen only.	One Cubic Meter	2,563=89
87	12.53	Additional Royalty – Sand.	237=37	Rupees two hundred thirty seven and paise thirty seven only.	One Cubic Meter	2,974=96

PART-B (Royalty & Testing Charges) ...	Total Rs.	13,403=85
	Say Rs.	13,404=00

Contractor

Executive Engineer

NAME OF WORK :-

Renovation of Babasaheb Ambedkar Regional Training Institute (BARTI) campus, 28 Queens Garden, Camp, Pune-1.

ABSTRACT

PART-A (Work Portion) ...	Rs.	53,07,577=00
PART-B (Royalty & Testing Charges) ...	Rs.	13,404=00
PART-A&PART-B...	Total Rs.	53,20,981=00

(In Word **Rupees Fifty Three lakhs Twenty thousand Nine hundred Eighty One** only)

Contractor

Executive Engineer

SCHEDULE - " C "

Contractor

Executive Engineer

NAME OF WORK :- Renovation of Babasaheb Ambedkar Regional Training Institute (BARTI) campus, 28 Queens Garden, Camp, Pune-1.

SCHEDULE - 'C'

Memorandum showing Items of Work to be carried out by the Contractor.

Item No.	Item of work	Standard Specification as per Specification Book published by Government of Maharashtra in 1979 and 1981 Edition		Additional Specifications if any.
		Specification Number	Page Number	
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 etc. complete. (Lift upto 0.00 to 1.5 Metre) By Manual Means.	Bd-A-1	259	--
2	Excavation for foundation in hard murum including removing the excavated material upto 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 etc. complete. (Lift upto 1.50 m) By Manual Means	Bd-A-2	259	--
3	Removing G.I. or A.C. sheet roofing including purlins, principal rafters etc. including sorting serviceable and unserviceable materials, stacking the same as and where directed in the compound including scaffolding etc. complete.	--	--	As directed by Engineer in charge.
4	Removing W.C. pans including disconnecting the sanitary and water supply connections removing breaking flooring and bed concrete around pan removing the same carefully and stacking the serviceable materials as and where directed including of throwing the unserviceable materials outside etc. carefully and throwing out the refusal outside etc. complete.	--	--	As directed by Engineer in charge.

Contractor

Executive Engineer

Item No.	Item of work	Standard Specification as per Specification Book published by Government of Maharashtra in 1979 and 1981 Edition		Additional Specifications if any.
		Specification Number	Page Number	
1	2	3	4	5
5	Dismantling flat wooden or A.C. sheet ceiling with frame work including stacking the materials as directed with all leads, lifts etc. complete.	Bd-W-8-8	587	--
6	Removing rich mix cement concrete including stacking the spoils as directed with all leads, lifts etc, complete.	--	--	As directed by Engineer in charge.
7	Removing doors and windows with frames and stacking the materials as directed with all leads, lifts, etc. complete.	--	--	As directed by Engineer in charge.
8	Removing cement tiles, or marble or polished shahabad floor or dado without bed concrete including stacking the materials as directed with all leads, lifts, complete.	--	--	As directed by Engineer in charge.
9	Removing urinal pans or wash hand basins with frame including disconnecting the sanitary and water supply connections, removing the same carefully and stacking the serviceable materials as and where directed including throwing the unserviceable materials outside etc complete	--	--	As directed by Engineer in charge.
10	Removing the tar or coba and disposing of the material as directed etc. complete.	--	--	As directed by Engineer in charge.
11	Removing old paint from steel and other metal surfaces even with hand scrapping, scaffolding etc. complete.	--	--	As directed by Engineer in charge.
12	Replacement of damaged alluminium Butt Hinges of 125 mm of approved quality and make to door shutter including removing existing the same in original position making proper adjustment for smooth operation etc. complete as per sample approved by Engineer incharge.	--	--	As directed by Engineer in charge.
13	Replacement of damaged Aldrop 300 mm Chromium plated of approved quality and make to door shutter including removing existing the same in original position making proper adjustment for smooth operation etc. complete as per sample approved by Engineer in-charge.	--	--	As directed by Engineer in charge.

Contractor

Executive Engineer

Item No.	Item of work	Standard Specification as per Specification Book published by Government of Maharashtra in 1979 and 1981 Edition		Additional Specifications if any.
		Specification Number	Page Number	
1	2	3	4	5
14	Replacement of damaged Mortise Lock of approved quality and make to door shutter including Removing and Refixing with Necessary screw, making proper adjustment for smooth operation etc. complete as per sample approved by Engineer in-charge.	--	--	As directed by Engineer in charge.
15	Replacement of damaged Alluminium Handle 125 mm of approved quality and make to door/window shutter including removing existing the same in original position making proper adjustment for smooth operation etc. complete as per sample approved by Engineer in-charge.	--	--	As directed by Engineer in charge.
16	Providing Soiling using 80 millimetre size trap metal in 15 centimeter layer including filling voids crushed sand/grit, ramming, watering etc. Complete.	--	--	As directed by Engineer in charge.
17	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, Steel centering, form work, 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 without SCADA enabled reversible Drum Type mixer. Batch mix plant (pan mixer) etc. complete. With fine aggregate (Crushed Sand VSI Grade)	Bd-E-1	287	--
18	Providing internal cement plaster 6 millimeter thick in single coat in cement mortar 1:4 without neeru finish to concrete surfaces, in all positions including scaffolding and curing complete.	Bd-L-1	367	--
19	Providing internal cement plaster 12 millimeter thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing complete.	Bd-L-2	368	--

Contractor

Executive Engineer

Item No.	Item of work	Standard Specification as per Specification Book published by Government of Maharashtra in 1979 and 1981 Edition		Additional Specifications if any.
		Specification Number	Page Number	
1	2	3	4	5
20	Providing sand faced plaster externally in cement mortar using approved screen sand in all positions including base coat of 15 millimeter thick in Cement Mortar 1:4 using waterproofing compound at 1 kilogram 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 millimeter 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	--
21	Providing and applying Two coats of wall care Putty on plastered surface and Ceiling and Walls to prepare surface even and smooth of approved make, etc complete.	--	--	As directed by Engineer in charge.
22	Providing and applying gypsum plaster (with Gypsum material of Gypsum India / Mega Sign or equivalent make) with finishing with gypsum material in 10 to 13 millimeter thickness to previously plastered surface / or on newly brick surface (Excluding rough cast plaster) in all position including preparing and Finishing the surface scaffolding etc. complete.	--	--	As directed by Engineer in charge.
23	Providing and applying Royale Luxury Emulsion of approved make on internal wall surface as detailed below Scrapping for surface with emery paper and wipe clean for area. wall primer with brush by adding mineral turpentine oil by 8 to 10 % or water by 15 to 20% allowing to dry for 6 to 8 hours After applying acrylic wall putty with appropriate prpportion of water of allow to dry for period of 4 to 6 hours of activity. Scrapping with emery paper and wipe clean Applying paints Royale Luxury emulsion 1st coat with brush water content water 40 to 45% or 65 to 70% by role Applying paints Royale luxury emulsion 2nd coat with brush with water content 40 to 45% or 65 to 70 % by roller. (With prior approval of S.E.)	--	--	As directed by Engineer in charge.

Contractor

Executive Engineer

Item No.	Item of work	Standard Specification as per Specification Book published by Government of Maharashtra in 1979 and 1981 Edition		Additional Specifications if any.
		Specification Number	Page Number	
1	2	3	4	5
24	Providing and applying plastic emulsion paint of approved quality, colour and shade to old and new surfaces in two coats including scaffolding, preparing the surfaces (excluding the primer coat) complete.	Bd-P-6	414	--
25	Providing and applying two coats of exterior weather shield paint 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. NOTE : For item No. 15 to 18 prior approval of Superintending Engineer will be necessary.	--	--	As directed by Engineer in charge.
26	Mazdoor for cleaning area.	--	--	As directed by Engineer in charge.
27	Providing and applying melamine polish of required finish to the wood work by spray machine including knotting and preparing the even surface by scraping, applying French polish, scaffolding if required etc. complete. Note:The work to be executed on prior approval of Superintending Engineer will be necessary.	--	--	As directed by Engineer in charge.
28	Providing and applying two coats of lead/zinc base oil paint/ bituminous paint of approved colour and shade to old wood work and fiber boards previously painted including if necessary scaffolding preparing the surface, excluding primer coat etc. complete.	Bd-O-2A	404	--
29	Providing and applying two coats of synthetic enamel paint of approved colour to new / old structural steel work and wood work in buildings, including scaffolding if necessary, cleaning and preparing surfaces (excluding primer coat) complete.	Bd-O-5	405	--

Contractor

Executive Engineer

Item No.	Item of work	Standard Specification as per Specification Book published by Government of Maharashtra in 1979 and 1981 Edition		Additional Specifications if any.
		Specification Number	Page Number	
1	2	3	4	5
30	Providing and laying Rough Shahabad Stone Flooring 25mm to 30mm thick and of required width in plan / diamond pattern on a bed of 1:6 C.M including cement float, striking joints, pointing in cement mortar 1:3 curing and cleaning etc. complete.	Bd-M-1	379	--
31	Providing and laying vitrified mirror / glossy finish tiles decorative type having size 590 millimeter to 605 millimeter x 590 millimeter to 605 millimeter of 8 to 10 millimeter thickness and confirming to Indian Standard 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 cleaning etc. complete.	Bd-M-12	385	--
32	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.	Bd-M	385	--
33	Providing and laying ceramic tiles having size 30 centimeter X 45 centimeter confirming to corresponding Indian Standard 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 complete.	Bd-M-13	386	--
34	Providing and laying telephone black / Amba White / Cadbury brown / Ruby red / Ocean Brown granite stone of 18 to 20 mm thick for door frame/ dado/ window boxing etc. On C.M. 1:6 including filling joints with polymer base filler nosing/moulding the sharp edges wherever necessary, curing, etc. complete.	--	--	As directed by Engineer in charge.

Contractor

Executive Engineer

Item No.	Item of work	Standard Specification as per Specification Book published by Government of Maharashtra in 1979 and 1981 Edition		Additional Specifications if any.
		Specification Number	Page Number	
1	2	3	4	5
35	Providing and fixing black kadappa stone as shelves 25 millimeter thick machine polished, extending the polish upto 20 centimeter width on lower side, rounding corners, laying in position jointing with bedding cement mortar 1:4 proportion curing etc. complete.	Bd-M-15	391	--
36	Providing and laying in situ cement concrete M-20 with tremix treatment for 100 millimeter thickness for flooring with groove cutting of 4 millimeter wide and 20 millimeter deep with necessary refilling with bitumen etc. complete.	--	--	As directed by Engineer in charge.
37	Providing and fixing 1.5 mm thick polyvenyl vinyl chloride flooring including leveling the base with white cement including pasting with appropriate material cleaning the surface etc. complete	Bd-M-35	393	--
38	Providing and fixing white glazed earthenware Wash Hand Basin of 45 centimeter x 30 centimeter size including cold water piller 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 upto the outside face of the wall. Making good the damaged surface testing etc. complete.	Bd-V-30	565	--
39	Providing and fixing C.P. Angular stop clock with wall flange of approved make continental including necessary sockets / union nut etc. complete.	--	--	As directed by Engineer in charge.
40	Providing and fixing European type wall hung white water closet of approved make with push valve concealed type with cover plated 32 millimeter size of approved make including soil pipe, vent pipe upto outside face of wall, 100 millimeter diameter G.I. plug bend inlet pipe all fittings, cutting and making good walls, floors etc. complete.	--	--	As directed by Engineer in charge.

Contractor

Executive Engineer

Item No.	Item of work	Standard Specification as per Specification Book published by Government of Maharashtra in 1979 and 1981 Edition		Additional Specifications if any.
		Specification Number	Page Number	
1	2	3	4	5
41	Providing and fixing Oval Type Under Counter Wash Hand Basin of 16 inch X 22 inch size and of special colour shade having Telephonic Black / Colour Granite of 180 millimeter thick stone Black Kadappa Framework, including Chromium Plated Coupling Bottle-Trap using CERA Company or equivalent Oval Type Wash basin Model No. 3448 as per detailed drawing or as directed by Engineer-in-Charge etc. complete. (Counter size 1.20 m. X 0.60 m.)	--	--	As directed by Engineer in charge.
42	Providing and fixing European type white glazed earthenware water closet pan with UPVC set and lid with chromium plated brass hinges and rubber buffers including UPVC and vent pipes upto the outside face of the wall 10 liter enameled low level flushing cistern with fittings pipe stop brackets for fixing cistern 32 millimeter diameter UPVC flush pipe with fittings and clamps 20 millimeter diameter UPVC overflow pipe, mosquito proof couplings G.I. chain and pulley, with water Jet and fitting including cutting and making good to the walls and floors testing etc. complete. (prior approval of sample and brand by Ex. Engineer is necessary before use)	Bd-V-21	Specifications	--
43	Providing and fixing on walls / ceiling / floors 15 millimeter diameter CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD choky or as directed etc. complete.	Bd-V	551	--
44	Providing and fixing on walls / ceiling / floors 20 millimeter diameter CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD choky or as directed etc. complete.	Bd-V-5	551	--

Contractor

Executive Engineer

Item No.	Item of work	Standard Specification as per Specification Book published by Government of Maharashtra in 1979 and 1981 Edition		Additional Specifications if any.
		Specification Number	Page Number	
1	2	3	4	5
45	Providing and fixing on walls / ceiling / floors 25 millimeter diameter CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD choky or as directed etc. complete.	Bd-V-5	551	--
46	Providing and fixing on walls / ceiling / floors 40 millimeter diameter CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD choky or as directed etc. complete.	Bd-V-5	551	--
47	Providing and fixing H.D.P. Container Syntex or alike one piece moulded water tank made out of low density Polyethyler and built Corrugated inclusive delivery up to destination housting fixing of accessories such as inlet, outlet overflow pipe inclusive of all Tanks Capacity above 1000 litres to 20,000 litres.	BD-V	--	As directed by Engineer in charge.
48	Providing and fabricating structural steel work in rolled section like joist channels, angles, tee etcetera as per detailed designs and drawing or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted / welded connection without connecting plates, braces etc and including one coat of anticorrosive paint and over it two coat of oil paintings of approved quality and shade complete.	Bd-C-2	275	--
49	Providing and fixing corrugated galvanised iron sheets of 0.63 milimeter thick (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron screws and bolts, lead and bitumen washers as per drawing etc. complete.(Weight of 5.5 Kilograms / Square Meter).	Bd-R-5	453	--

Contractor

Executive Engineer

Item No.	Item of work	Standard Specification as per Specification Book published by Government of Maharashtra in 1979 and 1981 Edition		Additional Specifications if any.
		Specification Number	Page Number	
1	2	3	4	5
50	Providing and fixing colour coated Zinalume (R) AZ150 (min 150 gms/sq.mt. total on each side) profiled sheets for roofing. The feed material is manufactured out of nominal 0.45mm Base Metal Thickness (BMT) (0.5mm TCT), Hi-strength steel with min. 550 MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% aluminium 43.4 % zinc 1.6% silicon) with COLORBOND (R) steel quality super durable polyester paint coat (with inorganic pigment). The paint shall have a total coating thickness of nominal 35 mm, comprising of nominal 25 mm exterior coat on top surface and nominal 10 um reverse coat on back surface. Profile sheet shall have nom. 950-1050 mm effective cover width and nominal 25-30 mm deep ribs with subtle square fluting in the five pan at nominal 180-250 mm center-to center. The end rib shall be designed for anti-capillary groove & return leg. The feed material should have coil manufactures product details marked a regular interval. Including fasteners with min. fastened with min. 25 um Zinc-Tin alloy coated, Hex head, self-drilling screw etc. complete. (weigh of profile 4.52 kg/sqm) 600 mm girth (Surface Width).	BD-R	--	As directed by Engineer in charge.
51	Providing and fixing Modular false ceiling of 600 X 600 mm center to center and 13 mm thick square mineral fiber board to be fixed on frame work of alluminium sections for suspended false ceiling consisting of alluminium T 2"x 1½" (50 mm x 40 mm) weighing 0.39 kg/m at 60 cms center center and fixed with ½" x ½" (15 x 15 mm) flanges weighing 0.19 kg/m suspended on 6 mm dia. mild steel rod weighing 0.22 kg/m, fixed on wall and beams including rounding of the edges with alluminium T of 2" x 1½" (50 mm x 40 mm) weighing 0.39 kg/m etc. (all alluminium sections shall be anodized) including all labor, material, lifts etc. complete.	BD-R	--	As directed by Engineer in charge.

Contractor

Executive Engineer

Item No.	Item of work	Standard Specification as per Specification Book published by Government of Maharashtra in 1979 and 1981 Edition		Additional Specifications if any.
		Specification Number	Page Number	
1	2	3	4	5
52	Providing and fixing frame work of anodised aluminium sections for suspended false ceiling consisting of aluminium T 50 mm x 40 mm weighing 0.39 Kilogram/m. at 60 cms c/c and fixed with (15 x 15 mm) flanges weighing 0.119 Kilogram/m suspended on 6 mm dia. mild steel rod weighing 0.22 Kilogram/m fixed on wall and beams including rounding of the edges with aluminium T of 50 mm x 40 mm weighing 0.39 Kilogram/m etc. including all labour etc. complete.	BD-R	--	As directed by Engineer in charge.
53	Providing and fixing false ceiling of 12 millimeter thick as per drawings including powder coated G.I. wall angle of 20 millimeter X 20 millimeter size, G.I. grid runners of size 20 millimeter X 38 millimeter at 600 millimeter center to center both ways and suspended using G.I. wire 3 millimeter wire including fixing using butterfly clips and fasteners including transporting, scaffolding all necessary labour and machinery, finishing etc. complete.	BDR-19	462	--
54	Providing and fixing frame with / without ventilator of size as specified with Country cut teak wood for doors and windows including chamfering, rounding, rebating hold fast size 300 millimeter X 40 millimeter X 5 millimeter with oil painting etc. complete.	BD-T	--	As directed by Engineer in charge.
55	Providing and fixing country cut teak wood double or single leaf second class fully paneled doors 35 millimeter thick shutter and 25 millimeter thick paneled with openable fanlight as per detailed drawings excluding the door frame 60 millimeter X 100 millimeter stainless steel fixtures and fastenings the wood work with oil painting 3 coats complete. (Excluding the door frame)	BD-T-7 & 8	481	--
56	Providing and fixing mild steel Grill door 24 kilogram / Square Metre of various size as per detailed drawing without hot dip coating, iron fixtures and fastening and three coats of oil painting etc. complete.	--	--	As directed by Engineer in charge.

Contractor

Executive Engineer

Item No.	Item of work	Standard Specification as per Specification Book published by Government of Maharashtra in 1979 and 1981 Edition		Additional Specifications if any.
		Specification Number	Page Number	
1	2	3	4	5
57	Providing and fixing in position (as per 1868 /1982) Aluminium sliding window of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 kg/Rmt. with window frame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 kg/Rmt. Top and side track section 92 x 31.75 x 1.30 mm at weight 0.933 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 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 and aluminium mosquito net shutter with stainless steel jail with all required screws and nuts etc, complete. With colour Anodising without box	--	--	As directed by Engineer in charge.
58	Providing and fixing fiber glass reinforcement polyester door shutter 30 millimeter thick as per Indian Standard 14856 (2000) (Reinforced 2006) without ventilators including chromium plated fixtures and fastening with chromium plated handles on both side etc. complete.	BD-T	--	As directed by Engineer in charge.
59	Providing and fixing in position powder coated aluminium louvered windows / ventilators of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 millimeter X 38 millimeter 1.22 millimeter box type, 5 millimeter thick sheet glass louvers, of approved quality etc. complete.	BD-T	--	As directed by Engineer in charge.
60	Providing and fixing 12 mm thick float glass on table top having molding on edges etc. complete. (size 1.20 X 0.60 m) as directed by engineer in charge / architectural.	--	--	As directed by Engineer in charge.

Contractor

Executive Engineer

Item No.	Item of work	Standard Specification as per Specification Book published by Government of Maharashtra in 1979 and 1981 Edition		Additional Specifications if any.
		Specification Number	Page Number	
1	2	3	4	5
61	Providing and fixing COMMERTIAL (ISI-303) 12 mm thick Commercial plywood as per archetural design and drawing with BTC Lipping, including all materials, brass, hardware, labours, polishing, antitermite treatment to plywood etc. complete.	--	--	As directed by Engineer in charge.
62	Providing and fixing COMMERTIAL (ISI-303) 18 mm thick Commercial plywood as per archetural design and drawing with BTC Lipping, including all materials, brass, hardware, labours, polishing, antitermite treatment to plywood etc. complete.	--	--	As directed by Engineer in charge.
63	Providing and fixing DOOR CLADING LAMINATED having size of made up of COMMERTIAL (ISI-303) Ply made up of 18 mm thick plywood and 12 mm thick COMMERTIAL (ISI-303) plywood for datty finishd with BTC wooden molding size 22 X 10 mm and finished with 100 mm thick LAMINATE confirming to (ISI 2046) Premium quality as per approved design, Plywood edges to be finished with BTC lipping, molding melamine polishing antitermite treatment and as directed by engineer in charge etc. complete.	--	--	As directed by Engineer in charge.
64	Providing and fixing 44 mm thick both side LAMINATED DOOR (WITH GLASS) made up of 18 mm thick COMMERTIAL (ISI-303) plywood frame covered with 12 mm thick COMMERTIAL (ISI-303) plywood both side of the frame to get required thickness as per architectural design and drawing and covered with both side 1.00 mm thick LAMINATE confirming to (ISI 2046) grove, edges finish with 50 X 10 mm moulding including all materials brass scruw, brass hinges (125 X 12 mm) mortise lock, door stopper, antitarmite treatment to plywood, two coat melamine polish to moulding and lipping, labour charges etc. complete.	--	--	As directed by Engineer in charge.

Contractor

Executive Engineer

Item No.	Item of work	Standard Specification as per Specification Book published by Government of Maharashtra in 1979 and 1981 Edition		Additional Specifications if any.
		Specification Number	Page Number	
1	2	3	4	5
65	Providing and fixing FULL HEIGHT STORAGE LAMINATED having depth 0.45 m made up of COMMERTIAL (ISI-303) 18 millimeter thick Plywood for frame work shelves, shutters and back with 12 millimeter thick plywood as per architectural design and drawing and finish with 1.00 millimeter thick LAMINATE confirming to (ISI 2046) and inside surface finish with French polish including BTC lipping, 75 millimeter brass hinges, brass screws, SS 304 grade Handel, drawer lock, 100 millimeter brass tower bolt, magnet, melamine polish two molding / lipping antitermite treatment to plywood, and as directed by Engineer in charge etc. complete.	--	--	As directed by Engineer in charge.
66	Providing and fixing LAMINATED WALL PANELLING made up of COMMERTIAL IS 303 Ply 18 mm thick plywood frame work of 75 mm patti at 600 mm X 600 mm center to center covered with 18 mm thick commercial plywood finished with 1 mm thick LAMINATE confirming to (ISI 2046) Premium quality as -per approved design, Plywood edges to be finished with BTC lipping, melamine polishing to molding antitermite treatment as directed by engineer in charge etc. complete.	--	--	As directed by Engineer in charge.
67	Providing and fixing LOW HEIGHT LAMINATED PARTITION 76 millimeter thick made up of 18 millimeter thick COMMERTIAL (ISI-303) plywood 2 X 50 millimeter width frame work at 0.60 X 0.60 meter center to center and both face covered with 12 millimeter thick COMMERTIOL (ISI-303) ply treated with anti termite treatment and one side finish with 1.00 millimeter thick LAMINATE confirming to (ISI 2046) and 8.00 millimeter clear glass as per architectural design and drawing including all materials, Hardware, labors, and as directed by Engineer in charge etc. complete.	--	--	As directed by Engineer in charge.

Contractor

Executive Engineer

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		Specification Number	Page Number	
1	2	3	4	5
68	Providing and supplying Single seater sofa of overall size 750 X 750 X 750 mm height made out of 75 X 38 mm (unfinished size) C.P.T.W. sections frame, 6 mm ply generally confirming to I.S. 303 for necessary covering from back and arm rests. The seat shall be of 125 mm and back shall be of 100 mm thick duly covered with tapestry fabric / conositer leather (not less than Rs. 350/- /Rmt) including necessary hardware, naval, jute cloth, casement, springs etc. complete. All exposed wooden surface shall be melamine polished and antitermite treatment to plywood and wood work with ten years guarantee bond etc. including all leads and lift etc. complete. and as directed by Engineer incharge.	--	--	As directed by Engineer in charge.
69	Providing and supplying Two seater sofa of overall size 1350 X 750 X 750 mm height made out of 75 X 38 mm (unfinished size) C.P.T.W. sections frame, 6 mm ply generally confirming to I.S. 303 for necessary covering from back and arm rests. The seat shall be of 125 mm and back shall be of 100 mm thick duly covered with tapestry fabric / conositer leather (not less than Rs. 350/- /Rmt) including necessary hardware, naval, jute cloth, casement, springs etc. complete. All exposed wooden surface shall be melamine polished and antitermite treatment to plywood and wood work with ten years guarantee bond etc. including all leads and lift etc. complete. and as directed by Engineer incharge.	--	--	As directed by Engineer in charge.
70	Providing and supplying on site visitors chair made with round 2 mm thick pipe frame with chrome finish with reinforced pipe inserts having moulded seat and back with nylon back cover with PP armrest hanging back fabric etc. complete. (B1019 INDIAN) VISTER CHAIR TYPE-1	--	--	As directed by Engineer in charge.

Contractor

Executive Engineer

Item No.	Item of work	Standard Specification as per Specification Book published by Government of Maharashtra in 1979 and 1981 Edition		Additional Specifications if any.
		Specification Number	Page Number	
1	2	3	4	5
71	Providing and fixing FULL HEIGHT LAMINATED PARTITION (WITHOUT GLASS) 76 millimeter thick made up of 18 millimeter thick COMMERTIAL (ISI-303) plywood 2 X 50 millimeter width frame work at 0.60 X 0.60 meter center to center and both face covered with 12 millimeter thick COMMERTIAL (ISI-303) Ply treated with anti termite treatment and both side finish with 1.00 millimeter thick LAMINATE confirming to (ISI 2046) as per architectural design and drawing including all materials, Hardware, labors, and as directed by Engineer in charge etc. complete.	--	--	As directed by Engineer in charge.
72	Providing and fixing CENTER TABLE having SIZE 0.90 X 60 X 45 meter made up of 18 thick COMMERTIAL PLYWOOD (ISI-303) made up of as approved design and drawing and finish with 1.00 millimeter thick LAMINATE IS-2046 primum quality in approved design and grove, plywood finish with BTC lipping, internal French polishing, outer edges melamine polish antitermite treatment and as director by enginee in charge etc. completed.	--	--	As directed by Engineer in charge.
73	6 mm glass mirror.	--	--	As directed by Engineer in charge.
74	Providing water proof bedding for flooring of Bath and W.C. 25 millimeter thick in cement mortar 1:3 including using approved water proofing compound in specified proportion as per manufacturers specifications for per bag of cement including leveling, curing and covering 10 years guarantee on court fee stamp paper of 500/- including ponding test etc. complete.	BD-J	--	As directed by Engineer in charge.
75	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 completes	BD-G-5	315	As directed by Engineer in charge.

Contractor

Executive Engineer

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		Specification Number	Page Number	
1	2	3	4	5
76	Providing second class Burnt Brick masonry with conventional/ Indian Standard type bricks in cement mortar 1:6 in foundation 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 etc. complete.	BD-G-1	313	As directed by Engineer in charge.
77	Providing and laying in position flooring of telephone black / Amba white / Cat bary brown / RBI red / Ocean Brown granite stone of approved shade and size 18 millimeter to 20 millimeter thick on bed 1:6 cement mortar including cement float skirting joints, pointing in Cement Mortar 1:3 curing and cleaning etc. complete.	BD-M-3	380	As directed by Engineer in charge.
78	Providing and laying handcut polished Kotah Stone flooring 25mm to 30mm thick and 30cm wide in plain/diamond pattern on a bed of 1:6 C.M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning etc. complete.	BD-M	380	As directed by Engineer in charge.
79	Providing leather finished polishing to Kota / Marble / Shahabad / Kadappa Stone slab by continuous grinding in 4 coats of different bits to receive rough and matty finish including buffing process before laying and fixing of stone as per drawing and design, including cleaning, washing and finishing etc. complete.	BD-M	--	As directed by Engineer in charge.
80	Providing and fixing VENEER FALCE CEILLING as per detailed drawing with following specifications made up of up of COMMERTIAL (ISI-303) 18 mm thick Plywood frame work as shown in detailed drawing and 18 mm COMMERTIAL (ISI-303) Plywood for shuttering and finished with 4 mm thick VENEER confirming to (ISI-1328) Premium quality in approved design and groves, Plywood edges to be finished with BTC lipping and outer surface and edges melamine polishing etc. complete.	--	--	As directed by Engineer in charge.

Contractor

Executive Engineer

Item No.	Item of work	Standard Specification as per Specification Book published by Government of Maharashtra in 1979 and 1981 Edition		Additional Specifications if any.
		Specification Number	Page Number	
1	2	3	4	5
81	Providing and fixing LOW HEIGHT STORAGE VENNER having depth 0.45 m made up of COMMERTIAL (ISI-303) 18 millimeter thick Plywood for frame work shelves, shutters and back with 12 millimeter thick plywood as per architectural design and drawing and finish with 4.00 millimeter thick VENNER confirming to (ISI 1328) make and inside surface finish with French polish including BTC lipping, 75 millimeter brass hinges, brass screws, SS 304 grade Handel, drawer lock, 100 millimeter brass tower bolt, magnet, melamine polish two molding, veneer, lipping antitermite treatment to plywood, and as directed by Engineer in charge etc. complete.	--	--	As directed by Engineer in charge.
82	Providing and fixing LAMINATED WALL PANELLING made up of COMMERTIAL IS 303 Ply 18 mm thick plywood frame work of 75 mm patti at 600 mm X 600 mm center to center covered with 18 mm thick commercial plywood finished with 1.00 mm thick LAMINATE confirming to (ISI 2046) Premium quality as per approved design, Plywood edges to be finished with BTC lipping, melamine polishing to molding antitermite treatment and as directed by engineer in charge etc. complete.	--	--	As directed by Engineer in charge.
83	Wall Paper.	--	--	As directed by Engineer in charge.
84	Conveying and disposing off the debris up to 10 Kilometers distance out of PMC limit including loading and unloading etc. complete.	--	--	Statement – C1
85	TESTING CHARGES for Construction Materials.			
	Determination of Resistance to dry heat, Determination of Moisture Content, Determination of Density, Thickness of Plywood.	--	--	As per SE VQC Pune guidelines and as directed by Engineer in charge.

Contractor

Executive Engineer

Item No.	Item of work	Standard Specification as per Specification Book published by Government of Maharashtra in 1979 and 1981 Edition		Additional Specifications if any.
		Specification Number	Page Number	
1	2	3	4	5
	Compressive Strength of C.C. Cube (Set of 3 Cubes)	--	--	As per SE VQC Pune guidelines and as directed by Engineer in charge.
86	Additional Royalty – Murum / Rubble.	--	--	As per Revenue Department “Govt. of Maharashtra” Circulars and as directed by Engineer in charge.
87	Additional Royalty – Sand.	--	--	As per Revenue Department “Govt. of Maharashtra” Circulars and as directed by Engineer in charge.

Contractor

Executive Engineer

वज्रचूर्णाची आवक आणि खप यांचा हिशोब दर्शविणारी

नोंदवही क्रमांक १

कामाचे नांव :

मागील सप्ताहापासून कामाच्या ठिकाणी असलेली शिल्लक

आवक आणि खप यांचा हिशोब

अ.क्र.	मिळालेल्या पोत्यांची संख्या	वापरलेल्या पोत्यांची संख्या	दिवसाच्या अखेरीस कामाच्या ठिकाणी राहिलेली पोती-
१	२	३	४

कंत्राटदाराची सही

अभियंत्याची सही / आवेक्षकाची सही

नोंदवही क्रमांक २

निरनिराळ्या बाबींवर आठवडयामध्ये उपयोगात आणणे आवश्यक असलेले सिमेंट परिमाण व प्रत्यक्षात उपयोगात आणलेले परिमाण यांची तुलना दर्शविणारे कोष्टक

आठवडयामध्ये केलेल्या कामाचे एकूण अंदाजे परिमाण

- १) पाईप व मो-या
- २) इतर संकिर्ण

Contractor.

Executive Engineer.

नोंदवही क्रमांक ३

----- रोजी संपणा-या आठवड्यासाठी गोषवारा

अ. क्र.	बाबीचे नांव	केलेल्या कामाचे अंदाजे परिमाण		वापरणे आवश्यक असलेले सिमेंटचे परिमाण (पोत्यांच्या प्रत्येक संख्येत)	वापरावयास हवे असलेल्या सिमेंटचे एकूण परिमाण	प्रत्यक्ष वापरलेले सिमेंटचे एकूण परिमाण (पोत्यांमध्ये)
		परिमाण	एकमान			
१	२	३	४	५	६	७

कंत्राटदाराची सही

आवेक्षकाची सही

Contractor.

Executive Engineer.

PART I

Register showing the receipt, issue and balance of Steel at Site of work at the end of day / month

Name of Work -

Balance quantity of steel as per previous day/ month	Diameter	20 φ	16 φ	12 φ	10 φ	8 φ	Tatal Qty of HYSD /TMT Fe 500 Bars	Quantity of Misld steel bars 6 φ
	Quantity in Metric Tonnes.							

Date	Receipt of Steel		Issue of Steel		Balance of Steel		Dated signature of Dy. Engr.
	Diameter	Qty. in M.T.	Diameter	Qty. in M.T.	Diameter	Qty. in M.T.	
1	2	3	4	5	6	7	8
	20 φ		20 φ		20 φ		
	16 φ		16 φ		16 φ		
	12 φ		12 φ		12 φ		
	10 φ		10 φ		10 φ		
	8 φ		8 φ		8 φ		
	Total		Total		Total		
	6 φ		6 φ		6 φ		
Total Qty in Metric Tonne	For the day						
	Overall						
	Balance						

Contractor.

Executive Engineer.

PART II

Register showing the receipt, issue and balance of Steel at Site of work at the end of day / month

Name of Work -

Sr. No.	Date	Items of Work done in short	Appoximate Quantity of Work done	Quantity of Steel used in Metric Tonne	Quantity of Steel required as per R.C.C. Design
1					
2					
3					
4					
5					
6					
7					

Contractor.

Executive Engineer.

DRAWINGS

CONTRACT DRAWINGS :-

The contract drawings provided for tendering purpose with the tender documents shall be used as a reference only- Contractor should visualise 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 Contractors 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 the Contractor will prepare drawings of the work at constructed and will supply original and three copies to the Engineer who will verify and certify these drawings- Final as constructed drawings shall then be prepared by the Contractor and supplied in triplicate along with a microfilm of the same to the Engineer for record and reference purposes at the Contractor's cost-

Contractor.

Executive Engineer.