



Tumakuru Smart City Limited

Office of the MD and CEO
Tumakuru Smart City Limited, Mahalakshmi Arcade, 1st Floor
S.S. Puram Main Road, Coffee Board Colony
Tumakuru-572102, Karnataka

Tenders for the Work of Rejuvenation/Redevelopment of Ring Road in Tumakuru

Single-Stage, Two-Envelope, Bidding Procedure, Adopted for e-procurement

Tender reference	:	TSCL/TENDER/CR/34/2017-18
PERIOD OF SALE OF TENDER DOCUMENTS	:	March 14, 2018 to May 7, 2018
PRE BID MEETING	:	March 19, 2018, 11:30 Hrs.
LAST DATE FOR SUBMISSION OF TENDER DOCUMENT	:	May 7, 2018, 16:00 Hrs.
TIME & DATE OF OPENING OF FIRST COVER OF TENDER	:	May 8, 2018, 16:00 Hrs.
TIME & DATE OF OPENING OF SECOND COVER OF TENDER	:	Will be intimated to the Qualified Tenderers
TIME & DATE OF OPENING OF SECOND COVER OF TENDER	:	Will be intimated to the Qualified Tenderers
PLACE OF OPENING TENDER	:	Office of the MD and CEO, Tumakuru Smart City Limited Mahalakshmi Arcade, 1st Floor, S.S. Puram Main Road, Coffee Board Colony, Tumakuru- 572102, Karnataka State
ADDRESS FOR COMMUNICATION	:	Office of the MD and CEO, Tumakuru Smart City Limited Mahalakshmi Arcade, 1st Floor, S.S. Puram Main Road, Coffee Board Colony, Tumakuru- 572102, Karnataka State Mail-id: bids@smartcitytumakuru.in

SECTION 1: INVITATION FOR TENDERS (IFT)

Date: March 14, 2018

IFT No.: TSCL/TENDER/CR/34/2017-18

1. The Managing Director and Chief Executive Officer (MD & CEO) of Tumakuru Smart City Limited (TSCL) invites tenders from eligible Tenderers, for the construction of works detailed in the Table below. The Tenderers shall submit tenders through Government of Karnataka e-Procurement website for all of the works given in the Table. ***Two Cover Tender procedure as per Rule28 of the KTPP Act shall be followed. The Tenders are required to submit two separate sealed¹ covers, one containing the Earnest money deposit (EMD)² and the details of their capability to undertake the tender (as detailed in ITT Clause 3 and 6), which will be opened first and the second cover containing the price tender³ which will be opened only if the Tenderer is found to be qualified to execute the tendered works. Tenderers are advised to note the minimum qualification criteria specified in Clause 3 of the Instructions to Tenderers to qualify for award of the Contract***

2. Tender documents (all volumes) may be downloaded from Government of Karnataka e-Procurement website <https://eproc.karnataka.gov.in/eportal/index.seam> under login for Contractors:

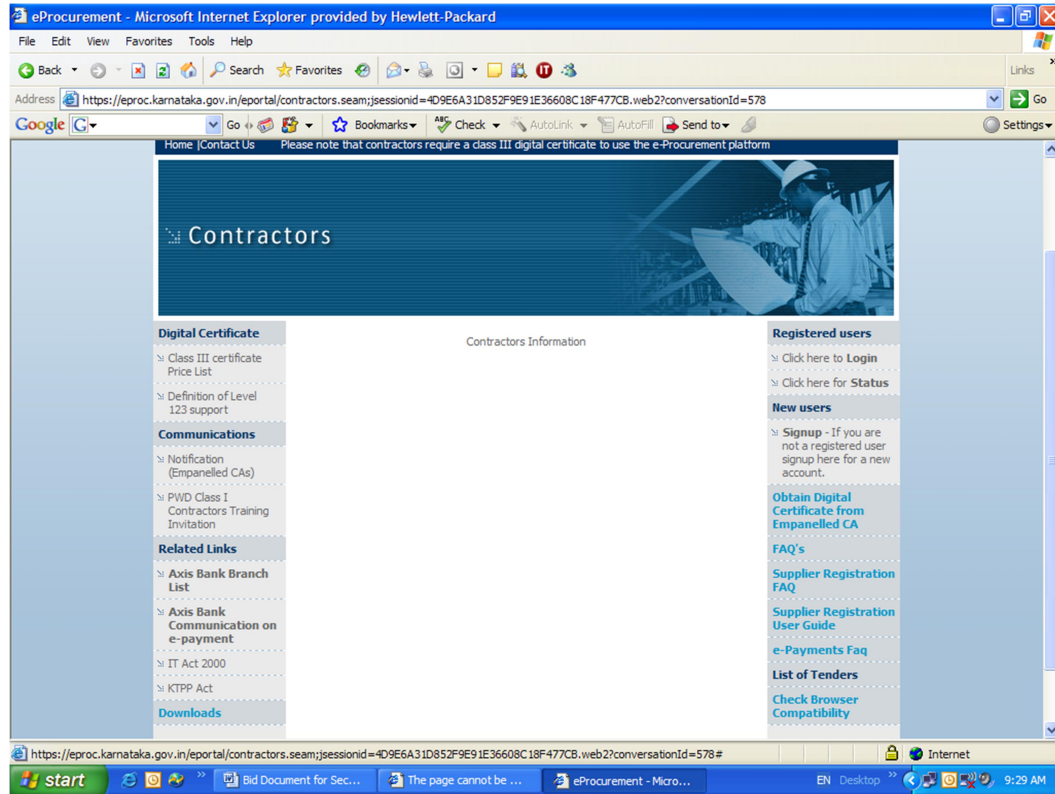


After login to Contractors, Please scroll down to the right side bottom to see List of Tenders, Please click there to find the details of NIT and download copy of the tender. The tender can be downloaded in the portal as per prescribed date and time published in the portal. Only Interested Contractors who wish to participate should remit online tender processing fee, after registering in the portal. The tender processing fee /transaction fee is non-refundable.

¹ Sealed means digitally sealed

² EMD to be paid online

³ Price tender to be uploaded online only



3. Tenders must be accompanied by earnest money deposit specified for the work in the Table below. **Earnest money deposit will be paid online through e-Procurement portal only.** Earnest Money Deposit will have to be in any one of the forms as specified in the Tender document and shall have to be valid for 45 days **beyond** the validity of the tender. The Bidder shall furnish, as part of his Tender, Earnest Money Deposit in the amount as shown in column 4 of the Table of IFT for this particular work. The Earnest Money Deposit (EMD) shall be through the e-Procurement portal using any of the following payment modes:

- Credit Card
- Direct Debit
- National Electronic Fund Transfer (NEFT)

NEFT payment procedure

If a contractor/supplier chooses to make payment of EMD/Tender processing fees using Reserve Bank of India's (RBI) National Electronic Fund Transfer (NEFT) system, the contractor/supplier will need to log into e-Procurement system, access the Tender for which bid is being created and then select the NEFT option under the payment section and print the Challan shown in that section. The printed challan will have the unique bid reference number, account details of Government of Karnataka and the amount to be remitted. The contractor has to submit the printed challan to its bank-branch (NEFT-enabled) and request for an account-to-account transfer, wherein the money will get transferred from the contractors' bank account to GoK's bank account. The contractor should ensure that NEFT transfer instructions are executed and the funds are wired to the Government of Karnataka's principal account before the last date

for bid submission and preferably 24 hours before the last date for bid submission. If the contractor's bank transfers/wires the money after the last date for bid submission, the contractor's bid will be liable for rejection. Upon executing the transfer, the contractor's bank will provide a reference number generated by NEFT software as confirmation of transfer, which has to be entered by contractor in the payment section of its bid as payment confirmation before the bid is submitted (i.e.) as a pre-requisite for bid submission. Also, the account number from which the funds were transferred has to be entered in the e-Procurement system as part of its bid.

The Bidder who wish to make Earnest Money Deposit and Tender processing fee payment through Internet Banking facility may do so. The Department is in no way responsible in case the money is not deposited in the notified central pooling account held at ICICI Bank, within the stipulated period. The name of the account and the account number and other details are displayed in the generated challan for the information of the Bidder.

The supplier/contractor's bid will be evaluated only on confirmation of receipt of the payment (EMD) in the Government of Karnataka central pooling a/c held at ICICI Bank EMD amount will have to be submitted by the supplier/contractor taking into account the following conditions:

- a. EMD will be accepted only in the form of electronic cash (and not through Demand Draft or Bank Guarantee) and will be maintained in the Govt.'s central pooling account at ICICI Bank until the finalization of the Tender.
 - b. The entire EMD amount for a particular Tender has to be paid in a single transaction for details on e-Payment services refer to e-procurement portal for more details on the process.
4. Tenders must be electronically submitted (on-line through e-Procurement web-portal (www.eproc.karnataka.gov.in) on or before **May 7, 2018, 16:00 Hrs** and will be opened online in the presence of the Tenderers who wish to attend at the **Office of Office of the MD and CEO, Tumakuru Smart City Limited ,Mahalakshmi Arcade, 1st Floor, S.S. Puram Main Road, Coffee Board Colony, Tumakuru- 572102, Karnataka State.**

If the office happens to be closed on the date of receipt of the tenders as specified, the tenders will be received and opened on the next working day at the same time and venue.

5. A Pre-bid meeting will be held on **March 19, 2018, 11:30 Hrs.** at the office **the MD and CEO, Tumakuru Smart City Limited, Mahalakshmi Arcade, 1st Floor, S.S. Puram Main Road, Coffee Board Colony, Tumakuru- 572102, Karnataka State,** to clarify the issues if any, and to answer questions on any matter that may be raised at that stage as stated in Clause 8.2 of 'Instructions to Tenderers' of the tender document.
6. Other details can be seen in the tender documents.

Tender No.	Name Of the Work	Estimated project Cost (Rs in Lakhs)	Earnest Money Deposit (Rs in lakhs)	Cost of Document (INR)	Period of Completion
1	2	3	4	5	6
TSCL/TENDER /CR/34/2017-18	Rejuvenation/ Redevelopment of Ring Road in Tumakuru Smart City	6053.00	60.53	As per e-procurement portal	Twelve (12) Calendar Months (including monsoon) for Construction

Seal of office

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A. General

1. Scope of Tender

- 1.1 **The Managing Director and Chief Executive Officer (MD&CEO), Tumakuru Smart City Limited (TSCL)** (Referred to as Employer in these documents) invites tenders from eligible tenderers for the construction of works (as defined in these documents and referred to as "the works") detailed in the Table given in the Invitation for Tenders (IFT). The tenderers shall submit tenders for all of the works detailed in the table given in IFT.

2. Eligible Tenderers

- 2.1 Tenderers shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the Government of Karnataka.
- 2.2 **Tenders from Joint ventures are not acceptable.**

3. Qualification of the Tenderer:

- 3.1 All Tenderers shall provide the requested information accurately and in sufficient detail in Section 3: Qualification information.
- 3.2 To qualify for award of this contract, each tendered in his name should have in the last five years i.e., 2012-13 TO 2016-17.

- a) achieved in at least two financial years a minimum financial turnover (in all classes of civil engineering construction works only) of **Rs 121.10 Crores**.

Note: Updated to the FY in which the tenders are invited. Financial turnover of previous years shall be given a weight of 10% per year to bring them to the price level of the FY in which the tenders are invited.

- b) Satisfactory completed at least 90% of the Contract Value, as a prime contractor for at least one similar work ⁴ of construction of Road works of value not less than **Rs 30.27 Crores** of the estimated value of contract.
- c) Executed in any one Financial year the following minimum quantities of work

⁴ **Similar Work means construction/redevelopment of Road.**

Sl. No	Item Description	unit	Minimum Quantity executed in cum
1	Earthwork excavation / Embankment (combined Quantities)	Cu.m	31850.00
2	RCC Not less than M-20 Grade	Cu.m	2020.00
3	Bituminous Road Work (DBM/BC/ SDBC)	Cu.m	5150.00
4	Rigid Pavement Works (PQC & DLC)	Cu.m	7100.00

3.3 Each Tenderer should further demonstrate:

- a) availability by owning at least 50% of the required /specified key and critical equipment for this work and the remaining 50% can be deployed on lease /hire basis for all works provided, the relevant documents (Applicants shall indicate the make, year of manufacture, capacity and working conditions of each of the equipments' along with RC issued by R.T.O. / Sale deed/purchase invoice, hire/lease agreements) shall be furnished.

No.	Equipment Type and Characteristics	Unit	Minimum Required		Total
			Owned	Lease/Hired	
1.	Hydraulic Excavator	Nos	1	1	2
2.	Asphalt Paver	Nos	1	1	2
3.	Fixed Form Or Slip Form Paver	Nos	1 (Owned or Leased)		1
4.	Vibratory Roller	Nos	1	1	2
5.	Tippers	Nos.	3	2	5

- b) Qualification and experience of the key technical and management personnel in permanent employment with the Tenderer and those that are proposed to be deployed on this contract, if awarded.

The Bidder must demonstrate that it has the personnel for the key positions that meet the following requirements:

Nº	Position	Minimum Number of Staff	Minimum Qualification	Total Work Experience (years)	Experience in Road Works (years)
1	Project Manager	1	Degree in Civil Engg.	10	5
2	Highway Engineer	1	Degree in Civil Engg.	7	5
3	Quality Control Engineer	1	Degree in Civil Engg.	7	5
4	Civil Engineer	3	Degree/ Diploma in Civil Engg.	5/7	3/5

The Bidder shall provide further details of the proposed personnel and their experience records in the relevant Information Forms 6 and 6A.

c) Liquid assets and /or availability of credit facilities (Credit lines/ letter of credit/ certificates from banks⁵ for meeting the fund requirement/cash Flow etc.) not less than **Rs 20.18 Crores**.

3.4 To qualify for a package of contracts made up of this and other contracts for which tenders are invited in this IFT, the Tenderer must demonstrate having experience and resources to meet the aggregate of the qualifying criteria for the individual contracts.

3.5 Sub-contractors' experience and resources shall not be taken into account in determining the Tenderers compliance with the qualifying criteria except to the extent stated in 3.2 (d) above.

3.4 Eligible Tenderers will be qualified only if their available tender capacity is more than the total tender value. The available tender capacity will be calculated as under:

$$\text{Assessed available tender capacity} = (A*N*1.5 - B)$$

Where, A = Maximum value of civil engineering (Road works) executed in any one year during the last five years (*updated to FY 2016-17 price level*) taking into account the completed as well as works in progress.

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

B = Value, at FY 2016-17 price level, of existing commitments and on-going works to be completed during the next one year (*period of completion of the works for which Tenders are invited*)*

Note: *The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in charge, not below the rank of an Executive Engineer or equivalent*.*

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

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

⁵ The letter from the bank should not be signed later than the six months from the last date of the uploading of the bid document

- Participated in the previous Tender for the same work and had quoted unreasonably high tender prices and could not furnish rational justification.

4. One Tender per Tenderer:

- 4.1 Each Tenderer shall submit only one tender for one package. A Tenderer who submits or participates in more than one Tender (other than as a sub-contractor or in cases of alternatives that have been permitted or requested) will cause all the proposals with the Tenderers participation to be disqualified.

5. Cost of Tendering:

- 5.1 The Tenderer shall bear all costs associated with the preparation and submission of his tender, and the Employer will in no case be responsible and liable for those costs.

6. Site visit:

- 6.1 The site visit is mandatory for tenderer. The Tenderer at his own responsibility is encouraged to visit and examine the Site of Works and its surroundings and obtain all information that may be necessary for preparing the Tender and entering into a contract for construction of the Works. The cost of visiting the Site shall be at the Tenderers own expense. General information on the climate, hydrology, topography, geology, access to site, transportation and communications facilities, medical facilities, project layout, expected construction period, facilities, services provided by the Employer, and other relevant data is attached as an Annex to the Document.

B. Tender documents

7. Content of Tender documents

- 7.1 The set of tender documents shall have all the Sections given in Contents:
- 7.2 Both the sets should be completed and returned with the tender.

8. Clarification of Tender Documents

- 8.1 A prospective Tenderer requiring any clarification of the tender documents may notify the Employer in writing or by cable (hereinafter "cable" includes telex and facsimile) at the Employer's address indicated in the invitation to tender. The Employer will respond to any request for clarification which he receives earlier than 15 days prior to the deadline for submission of tenders. Copies of the Employer's response will be forwarded to all purchasers of the tender documents, including a description of the enquiry but without identifying its source.

8.2 Pre-bid meeting:

- 8.2.1 The Tenderer or his authorized representative is invited to attend a pre-bid meeting which will take place at

TSCL Office, 1st Floor, Mahalakshmi Arcade, SS Puram Main Road, Tumakuru, Karnataka, date and time as indicated in the IFT.

- 8.2.2 The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage
- 8.2.3 The Tenderer is requested to submit any questions in writing or by cable to reach the Employer not later than one week before the meeting.
- 8.2.4 Minutes of the meeting, including the text of the questions raised (without identifying the source of enquiry) and the responses given will be transmitted without delay to all purchasers of the tender documents. Any modification of the tender documents listed in Sub - Clause 7.1 which may become necessary as a result of the pre-bid meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause 9 and not through the minutes of the pre-bid meeting.
- 8.2.5 Non-attendance at the pre-bid meeting will not be a cause for disqualification of a tenderer.

9. Amendment of Tender documents

- 9.1 Before the deadline for submission of tenders, the Employer may modify the tender documents by issuing addenda in the e-Portal.
- 9.2 Any addendum thus issued shall be part of the tender documents and shall be communicated in e-Portal to all the purchasers of the tender documents.
- 9.3 To give prospective tenderers reasonable time in which to take an addendum into account in preparing their tenders, the Employer shall extend as necessary the deadline for submission of tenders, in accordance with Sub-Clause 12.2 below.

C. Preparation of Tenders

10. Documents comprising the Tender

10.1 The tender submitted by the Tenderer shall be in two covers and shall contain the documents as follows:

10.1.1 First Cover:

- a) Earnest Money Deposit;
- b) Qualification Information as per formats given in Section 3;

10.1.2 Second Cover:

- a) The Tender (in the format indicated in Section 4)
- b) Priced Bill Quantities (Section 9);

And any other materials required to be completed and submitted by Tenderers in accordance with these instructions. The documents listed under Sections 3, 4, 6 and 9 shall be filled in without exception.

10.2 Tenderers submitting tenders together with other contracts stated in the IFT to form a package will so indicate in the tender together with any discounts offered for the award of more than one contract.

11. Tender prices

11.1 The contract shall be for the whole works as described in Sub-Clause 1.1.

11.2 The Tenderer shall fill in rates and prices and line item total (both in figures and words) for all items of the Works described in the Bill of Quantities along with total tender price (both in figures and words). ***Items for which no rate or price is considered by the Tenderer will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities.*** Corrections, if any, shall be made by crossing out, initialling, dating and rewriting.

11.3 All duties, applicable taxes, and other levies payable by the contractor under the contract, or for any other cause, shall be included in the rates, prices and total Tender Price submitted by the Tenderer.

11.4 The rates and prices quoted by the Tenderer shall be fixed for the duration of the Contract and shall not be subject to adjustment on any account.

12. Tender validity

12.1 Tenders shall remain valid for a period not less than one hundred twenty **(120) days** after the deadline date for tender submission specified in Clause

16. A tender valid for a shorter period shall be rejected by the Employer as non-responsive.

12.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the Tenderers may extend the period of validity for a specified additional period. The request and the Tenderers' responses shall be made in writing or by cable. A Tenderer may refuse the request without forfeiting his earnest money deposit. A Tenderer agreeing to the request will not be required or permitted to modify his tender, but will be required to extend the validity of his earnest money deposit for a period of the extension, and in compliance with Clause 13 in all respects.

13. Earnest money deposit

13.1 The Tenderer shall furnish, as part of his tender, earnest money deposit in the amount as shown in column 4 of the Table of IFT for this particular work. This earnest money deposit shall be In online on E-procurement portal only.

13.2 Earnest money deposit for the tender shall be valid for 45 days beyond the Validity of the Tender.

13.3 Any tender not accompanied by an acceptable earnest money deposit and not secured as indicated in Sub-Clauses 13.1 and 13.2 above shall be rejected by the Employer as non-responsive.

13.4 The earnest money deposit of unsuccessful Tenderers will be returned within 30 days of the end of the Tender validity period specified in Sub-Clause 12.1.

13.5 The earnest money deposit of the successful Tenderer will be discharged when the Tenderer has signed the Agreement and furnished the required Performance Security.

13.6 The earnest money deposit may be forfeited:

(a) if the Tenderer withdraws the Tender after tender opening during the period of tender validity;

(b) if the Tenderer does not accept the correction of the Tender Price, pursuant to Clause 23; or

(c) in the case of a successful Tenderer, if the Tenderer fails within the specified time limit to

(i) sign the Agreement; or

(ii) furnish the required Security deposit

14. Format and signing of Tender

- 14.1 The Tenderer shall prepare one original document comprising the Tender as described in Clause 10 of these Instructions to Tenderers, bound with the volume containing the **Form of Tender**, and clearly marked "ORIGINAL" and shall submit the scanned copy of the original tender document electronically. In the event of discrepancy between them, the original and the scanned copy submitted electronically, electronically submitted tender document shall prevail.
- 14.2 The original of the Tender shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign on behalf of the Tenderer. All pages of the tender where entries or amendments have been made shall be initialled by the person signing the tender. **The tender shall upload the scanned copy of the original on the e-procurement portal.** The original copy shall be retained by the tenderer and the same shall be submitted to the employer on request.
- 14.3 The Tender shall contain no alterations or additions, except those to comply with instructions issued by the Employer, or as necessary to correct errors made by the Tenderer, in which case such corrections shall be initialled by the person signing the Tender.

D. Submission of Tenders

15. Sealing and marking of tenders

15.1 The Tenderer shall seal⁶ the electronic submission of the Tender in separate envelopes and to be submitted electronically before the submission date and time notified in e-procurement portal .

a. The **inner and outer** envelopes shall be addressed to the Employer at the address mentioned on the e-Procurement Portal.

15.3 Deleted

15.2 If the outer envelope is not sealed and marked as above, the Employer will assume no responsibility for the misplacement or premature opening of the Tender or unsuccessful of uploading the tender document on e-procurement portal, as the case may be.

15.3 Financial bid, consisting of the bidders financial quote for the project in prescribed format shall be submitted online only. Any financial bid received in part or incomplete form shall be considered as non-responsive bid and shall be rejected.

16. Deadline for submission of the Tenders

16.1 Tenders must be received by the Employer on e-procurement of Karnataka at the web address specified above not later than **the date mentioned in the table in Tender Documents** The original bid shall be prepared and submitted as indicated below in the electronic mode using their digital signatures⁷ in the correct slots in the E-Procurement Website. The Bidder shall digitally sign and submit the proposal electronically through the unified e-Procurement platform: www.eproc.karnataka.gov.in

Place of Opening the Tender will be

**Office of the MD-CEO,
Tumakuru Smart City Limited,
Mahalakshmi Arcade, 1st Floor
S.S. Puram Main Road, Coffee Board Colony,
Tumakuru – 572102,Karnataka**

In the event of the specified date for the submission of tenders being declared a holiday for the Employer, the tenders will be received up to the appointed time on the next working day.

⁶ Seal means where ever physically envelop submitted shall be sealed physically, where ever electronic envelop submitted/uploaded on eProcurement portal shall be sealed digitally. This shall be applicable for the entire sealed envelope.

⁷ For type of digital signatures, refer e-procurement portal

16.2 The Employer may extend the deadline for submission of tenders by issuing an amendment in accordance with Clause 9, in which case all rights and obligations of the Employer and the Tenderers previously subject to the original deadline will then be subject to the new deadline

17. Late Tenders

17.1 The Bidders shall not be allowed to upload the Tenders after the date of dead line for submission of Tenders.

18. Modification and Withdrawal of Tenders

18.1 Tenderers may modify their Tenders as per the provisions on e-procurement portal. The tenderer may withdraw their tender by giving as notice in writing to the employer before the deadline prescribed in Clause 16 if the tender is submitted digitally signed

18.2 No modifications are permitted online after submission of the digitally signed tender. For withdrawal of tender refer clause 18.1

18.3 No Tender may be modified after the deadline for submission of Tenders.

18.4 Withdrawal or modification of a Tender between the deadline for submission of Tenders and the expiration of the original period of Tender validity specified in Clause 12.1 above or as extended pursuant to Clause 12.2 may result in the forfeiture of the earnest money deposit pursuant to Clause 13.

18.5 Deleted.

E. Tender opening and evaluation

19 Opening⁸ of First Cover of all Tenderers and evaluation:

19.1 The Employer will open the First Covers of all the Tenders received (except those received late or withdrawn), including modifications for First Cover made pursuant to Clause 18, in the presence of the Tenderers or their representatives who choose to attend at the date , time and the place specified in respective Clause(s). In the event of the specified date of Tender

⁸ Tender will be opened online

opening being declared a holiday for the Employer, the Tenders will be opened at the appointed time and location on the next working day.

- 19.2 Envelopes marked "WITHDRAWAL"⁹ shall be opened and read out first. The First Cover of Tenders for which an acceptable notice of withdrawal has been submitted pursuant to Clause 18 shall not be opened.
- 19.3 The Tenderers names, the presence or absence of earnest money deposit (amount, format and validity), the submission of qualification information and such other information as the Employer may consider appropriate will be announced by the Employer at the opening. Late¹⁰ and withdrawn¹¹ Tenders will be returned unopened to tenders.
- 19.4 The Employer shall prepare minutes of the Tender opening, including the information disclosed to those present in accordance with Sub-Clause 19.3.
- 19.5 Not Applicable
- 19.6 The Employer will evaluate and determine whether each tender (a) meets the eligibility criteria defined in ITT Clause 2; (b) is accompanied by the required earnest money deposit as per stipulations in ITT Clause 13 and (c) meets the minimum qualification criteria stipulated in ITT Clause 3. The Employer will draw out a list of qualified Tenderers.

20 Opening of Second Cover of qualified Tenderers and evaluation:

- 20.1 The Employer will inform all the Qualified Tenderers the time, date and venue fixed for the opening of the Second Cover containing the priced Tenders. The Employer will open the Second Covers of Qualified Tenderers at the appointed time and date in the presence of the Tenders or their representatives who choose to attend. In the event of the specified date of Second Cover opening being declared a holiday for the Employer, the Second Covers will be opened at the appointed time and location on the next working day.
- 20.2 Not Applicable
- 20.3 The Tenderers' names, the Tender prices, the total amount of each Tender, any discounts, Tender modifications and withdrawals, and such other details as the Employer may consider appropriate, will be announced by the Employer at the opening. No Tender shall be rejected at Tender opening.

⁹ For which the written intimation received from the Tenderer.

¹⁰ Late tenders are not permitted to be uploaded online

¹¹ Withdrawn tenders shall not be opened online

- 20.4 The Employer shall prepare minutes of the Second Cover Tender opening, including the information disclosed to those present in accordance with Sub-Clause 20.3.

21 Process to be confidential

- 21.1 Information relating to the examination, clarification, evaluation, and comparison of Tenders and recommendations for the award of a contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's processing of Tenders or award decisions may result in the rejection of his Tender.

22 Clarification of Tenders

- 22.1 To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Tenders in accordance with Clause 24.
- 22.2 Subject to sub-clause 22.1, no Tenderer shall contact the Employer on any matter relating to its Tender from the time of the Tender opening to the time the contract is awarded. If the Tenderer wishes to bring additional information to the notice of the Employer, it should do so in writing.
- 22.3 Any effort by the Tenderer to influence the Employer in the Employer's Tender evaluation, Tender comparison or contract award decisions may result in the rejection of the Tenderers' Tender.

23 Examination of Tenders and determination of responsiveness

- 23.1 Prior to the detailed evaluation of Tenders, the Employer will determine whether each Tender; (a) has been properly signed; and; (b) is substantially responsive to the requirements of the Tender documents.
- 23.2 A substantially responsive Tender is one which conforms to all the terms, conditions, and specifications of the Tender documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Works; (b) which limits in any substantial way, inconsistent with the Tender documents, the Employer's rights or the Tenderer's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Tenderers presenting substantially responsive Tenders.

23.3 If a Tender is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

24 Correction of errors

24.1 Tenders determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer as follows:

(a) where there is a discrepancy between the rates in figures and in words, the lower of the two will govern; and

(b) Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern.

24.2 The amount stated in the Tender will be adjusted by the Employer in accordance with the above procedure for the correction of errors and, with the concurrence of the Tenderer, shall be considered as binding upon the Tenderer. If the Tenderer does not accept the corrected amount the Tender will be rejected, and the earnest money deposit may be forfeited in accordance with Sub-Clause 13.6 (b).

25 Evaluation and comparison of Tenders

25.1 The Employer will evaluate and compare only the Tenders determined to be substantially responsive in accordance with Clause 23.

25.2 In evaluating the Tenders, the Employer will determine for each Tender the evaluated Tender Price by adjusting the Tender Price as follows:

A. Making any correction for errors pursuant to Clause 24; and

B. Making appropriate adjustments to reflect discounts or other price modifications offered in accordance with Sub Clause 18.5.

25.3 The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors which are in excess of the requirements of the Tender documents or otherwise result in unsolicited benefits for the Employer shall not be taken into account in Tender evaluation.

25.4 The estimated effect of the price adjustment conditions under Clause 40 of the Conditions of Contract, during the implementation of the Contract, will not be taken into account in tender Evaluation

25.5 If the tender of the successful tenderer is seriously unbalanced or front loaded in relation to the Employer's estimate of the cost of the work to be performed under the contract, the Employer may require the Tenderer to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Employer may require that the amount of the performance security set forth in Clause 29 be increased at the expense of the successful Tenderer to a level sufficient to protect the Employer against financial loss in the event of default of the successful under the contract. Additional security of unbalance bid shall be payable by the Tenderer as per Government of Karnataka's Rules/Karnataka Public Works Departmental Code with latest amendments if any.

F. Award of Contract

26 Award criteria

26.1 Subject to Clause 27, the Employer will award the Contract to the Tenderer whose Tender has been determined to be substantially responsive to the Tender documents and who has offered the lowest evaluated Tender Price, provided that such Tenderer has been determined to be (a) eligible in accordance with the provisions of Clause 2, and (b) qualified in accordance with the provisions of Clause 3.

27 Employer's right to accept any Tender and to reject any or all Tenders

27.1 Notwithstanding Clause 26, the Employer reserves the right to accept or reject any Tender, and to cancel the Tender process and reject all Tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the grounds for the Employer's action.

28 Notification of award and signing of Agreement

- 28.1 The Tenderer whose Tender has been accepted will be notified of the award by the Employer prior to expiration of the Tender validity period by cable, telex or facsimile confirmed by registered letter. This letter (hereinafter and in the *Conditions of Contract* called the "Letter of Acceptance") will state the sum that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").
- 28.2 The notification of award will constitute the formation of the Contract, subject only to the furnishing of a performance security in accordance with the provisions of Clause 29.
- 28.3 The Agreement will incorporate all agreements between the Employer and the successful Tenderer. It will be kept ready for signature of the successful Tenderer in the office of Employer within 30 days following the notification of award along with the Letter of Acceptance. Within 20 days of receipt, the successful Tenderer will sign the Agreement and deliver it to the Employer.
- 28.4 Upon the furnishing by the successful Tenderer of the Security deposit, the Employer will promptly notify the other Tenderers that their Tenders have been unsuccessful.

29 Security deposit

- 29.1 Within 20 days of receipt of the Letter of Acceptance, the successful Tenderer shall deliver to the Employer a Security deposit in any of the forms given below for an amount equivalent to **5% (five Percent)** of the Contract price plus additional security for unbalanced or front loaded tenders in accordance with Clause 25.5 of ITT and Clause 43 of the Conditions of Contract. :
- i. Cash or
 - ii. Banker's cheque/Demand draft,/Pay Order in favour of **M.D. & CEO, TSCL payable at Tumakuru** or
 - iii. A bank guarantee in the form given in Section 10; or
 - iv. Specified Small Savings Instruments pledged to **M.D. & CEO, TSCL payable at Tumakuru**
- 29.2 If the security deposit is provided by the successful Tenderer in the form of a Bank Guarantee, it shall be issued either by a Nationalized/Scheduled bank.
- 29.3 The security deposit if furnished in cash or demand draft can, if requested, be converted to interest bearing securities at the cost of the contractor.
- 29.4 Failure of the successful Tenderer to comply with the requirements of Sub-Clause 29.1 shall constitute sufficient grounds for cancellation of the award and forfeiture of the Earnest money deposit.

30 Advance Payment and Security:

- 30.1 The Employer will provide an advance payment on the contract price as stipulated in the Conditions of Contract, subject to the maximum amount as stated in the Contract Data.

31 Corrupt or Fraudulent practices

- 31.1 The GOK (Government of Karnataka) requires that the Tenderers/Suppliers/Contractors, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, GOK:
- (a) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
 - (b) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a GOK contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a GOK contract.

31.2 Furthermore, Tenderers shall be aware of the provision stated in sub-clause 50.2 of the Conditions of Contract.

SECTION 3: QUALIFICATION INFORMATION

The information to be filled in by the Tenderer hereunder will be used for purposes of computing Tender capacity as provided for in Clause 3 of the Instructions to Tenderers. This information will not be incorporated in the Contract.

1.1 Constitution or legal status of Tenderer [Attach copy]

Place of Registration _____

[Attach Copy]

Principal place of business: _____

1.2 Total value of civil engineering construction 2016 - 17 _____

Works executed and payments received in the 2015 - 16 _____

Last five years (in Rs. Lakhs) 2014 - 15 _____

2013 - 14 _____

2012 - 13

(Attach Certificate from Chartered Accountant)

1.3 Work performed as Prime Contractor (in the same name) on works of similar nature¹² over during the three years specified in 1.2 above.

Project Name	Name of Employer	Description of Work	Contract Number	Value of contract Rs. Lakhs	Date of issue of work order	Specified period of completion	Actual date of completion	Remarks explaining reasons for delay in completion of work
1	2	3	4	5	6	7	8	9

Attach Certificates from Engineers -in- Charge

¹² For works of similar nature definition refer Clause 3.2 (c)

1.4 Quantities of work¹³ executed as prime contractor (in the same name) during the last five years specified in 1.2 above:

Year	Name of Work	Name of Employer	Quantity of work ¹³ performed (cum)					Remarks (Indicate contract reference)
2012-13								
2013-14								
2014-15								
2015-16								
2016-17								

1.5 Information on works for which Tenders have been submitted and works which are yet to be completed as on the date of this Tender.

(A) Current Contract Commitments/Work in Progress:

Tenderer should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued.

Description of Work (1)	Place & State (2)	Contract No & Date (3)	Name & Address of Employer (4)	Value of Contract (Rs. Lakhs) (5)	Stipulated Period of Completion (6)	Value of works ²¹ remaining to be completed (Rs.lakhs) (7)	Anticipated date of Completion (8)
1.							
2.							
3.							

¹³ Refer clause 3.2(d)

²¹ Attach Certificates from Engineers -in- Charge

4.							
5.							
etc.							

(B) Works for which Tenders already submitted:

Description of Work	Place & State	Name and Address of Employer	Estimated value of works (Rs. lakhs)	Stipulated period of completion	Date when decision is expected	Remarks if any
1	2	3	4	5	6	7

1.6 The following items of equipment ¹⁴are considered essential for successfully carrying out the works. The Tenderer should furnish all the information listed below.

Item of Equipment	Requirement			Owned and available		Remarks
	No.	Capacity	Owned	Number/ Capacity	Age/ Condition	

1.7 Reports on the financial standing of the Tenderer, such as profit and loss statements and auditor's reports for the last five years;

1.8 Qualification and experience of the key technical and management personnel¹⁵ in permanent employment with the Tenderer and those that are proposed to be deployed on this contract, if awarded.

1.9. Name, address, and telephone, telex, and fax numbers of the Tenderers' bankers who may provide references if contacted by the Employer.

1.10 Evidence of access to financial resources to meet the qualification requirement specified in ITT Clause 3.3 (c): Cash in hand, Letter of Credit etc. List them below and attach certificate from the Banker in the suggested format as under:

¹⁴ For details refer clause 3.3(a)

¹⁵ For details refer clause 3.3(b)

BANKER'S CERTIFICATE

This is to certify that M/s. is a reputed company with a good financial standing. If the contract for this work, namely (Name of the work) is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of Rs. to meet the working capital requirements for executing the above contract

Sd/-

Name of the Bank, Senior Bank
Manger

Address:.....

Ph No. _____

Mail-id¹⁶ _____

¹⁶ Phone Number and mail-id are mandatory to be filled in the Banker's certificate.

1.11 Proposals for subcontracting components of works amounting to more than 10% of the contract price.

Item of Work	Value of Sub-Contract	Identified Sub-Contractor (Name and address)	Experience of similar work

1.12 Information on litigations in which the Tenderer is involved:

Other Party (ies)	Employer	Details of dispute	Amount involved	Remarks showing present Status

1.13 The proposed methodology and program of construction, backed with equipment planning and deployment, duly supported with broad calculations and quality control procedures proposed to be adopted, justifying their capability of execution and completion of the work as per technical specifications within the stipulated period of completion as per milestones.

SECTION 4: FORMS OF TENDER, LETTER OF ACCEPTANCE, NOTICE TO PROCEED WITH THE WORK AND AGREEMENT FORM

Form of Tender

Description of the Works: _____

Tender Reference No _____

Tender

To:

Address:

GENTLEMEN,

We offer to execute the Works described above in accordance with the Conditions of Contract accompanying this Tender for the Contract Price of _____ [in figures] (_____) [in words].

This Tender and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any tender you receive.

The advance payment required is Rs.....

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We hereby confirm that this Tender complies with the Tender validity and Earnest money deposit required by the Tender documents.

We attach herewith our current income-tax clearance certificate.

Yours faithfully,

Authorized Signature:

Name & Title of Signatory: _____

Name of Tenderer and address: -----

Letter of Acceptance

(Letterhead paper of the Employer)

To: _____ [name and address of the Contractor]

Dear Sirs,

This is to notify you that your Tender dated _____ for execution of the work of _____ name of the contract and identification number, as given in the Instructions to Tenderers] for the Contract Price of Rupees _____ (_____) [amount in words and figures], as corrected and modified in accordance with the Instructions to Tenderers is hereby accepted by our Agency.

You are hereby requested to furnish Security deposit, in the form detailed in Para 29.1 of ITT for an amount of Rs.----- within 20 days of the receipt of this letter of acceptance valid up to 30 days from the date of expiry of Defects Liability Period i.e. up to and sign the contract, failing which action as stated in Para 29.4 of ITT will be taken.

Yours faithfully,

Authorized Signature

Name and Title of Signatory

Name of Agency

Issue of Notice to proceed with the work

To

_____ (name and address of the Contractor)

Dear Sirs:

Pursuant to your furnishing the requisite security deposit as stipulated in ITT Clause 29.1 and signing of the contract agreement for the work Tender for _____
_____. A Tender Price of Rs. _____, you are hereby instructed to proceed with the execution of the said works in accordance with the contract documents.

Yours faithfully,

(Signature, name and title of
signatory authorized to sign on
behalf of Employer)

Agreement Form

Agreement

This agreement, made the _____ day of _____ 20____,

between _____

_____ [name and address of Employer]

(Hereinafter called “the Employer”) of the one part and

_____ [name and address of contractor] (hereinafter called “the Contractor”) of the other part.

Whereas the Employer is desirous that the Contractor execute Tender for _____
_____ vide
Tender Reference No _____ (hereinafter called “the Works”) and the Employer
has accepted the Tender by the Contractor for the execution and completion of such
Works and the remedying of any defects therein at a contract price of
Rupees.....

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.

2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
 - i) Letter of Acceptance;
 - ii) Notice to proceed with the works;
 - iii) Contractor's Tender;
 - iv) Contract Data;
 - v) Conditions of contract (including Special Conditions of Contract);
 - vi) Specifications;
 - vii) Drawings;
 - viii) Bill of Quantities; and
 - ix) Any other document listed in the Contract Data as forming part of the contract.

In witness whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The Common Seal of _____ was hereunto
affixed in the presence of:
Signed, Sealed and Delivered by the said

In the presence of:
Binding Signature of Employer
Binding Signature of Contractor

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A. General

1. Definitions

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

Bill of Quantities means the priced and completed Bill of Quantities forming part of the Tender

Compensation events are those defined in Clause 38 hereunder.

The **Completion Date** is the date of completion of the Works as certified by the Employer in accordance with Sub Clause 45.1.

The **Contract** is the contract between the Employer and the Contractor to execute, complete and maintain the Works. It consists of the documents listed in Clause 2.2 below.

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

The **Contractor** is a person or corporate body whose Tender to carry out the Works has been accepted by the Employer.

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

The **Contract price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.

Days are calendar days; **months** are calendar months.

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

The **Defects liability period** is the period named in the Contract Data and calculated from the Completion Date.

The **Employer** is the party who will employ the Contractor to carry out the Works.

Equipment is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.

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

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

Materials are all supplies, including consumables, used by the contractor for incorporation in the Works.

Plant is any integral part of the Works which is to have a mechanical, electrical, electronic or chemical or biological function.

The **Site** is the area defined as such in the Contract Data.

Specification means the Specification of the Works included in the Contract and any modification or addition made or approved by the Employer.

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

A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract which includes work on the Site.

The **Works** are what the Contract requires the Design, Contractor to construct, install, and turn over to the Employer, as defined in the Contract Data.

2. Interpretation

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

2.2 The documents forming the Contract shall be interpreted in the following order of priority:

- (1) Agreement
- (2) Letter of Acceptance, notice to proceed with the works

- (3) Contractor's Tender
- (4) Contract Data
- (5) Conditions of Contract
- (6) Specifications
- (7) Drawings
- (8) Bill of Quantities and
- (9) Any other document listed in the Contract Data as forming part of the Contract.

3. Law governing contract

3.1 The law governing the Contract is the Laws of India supplanted by the Karnataka Local Acts.

4. Employer's decisions

4.1 Except where otherwise specifically stated, the Employer will decide contractual matters between the Employer and the Contractor.

5. Delegation

5.1 The Employer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

6. Communications

6.1 Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

7. Subcontracting

7.1 The Contractor may subcontract with the approval of the Employer but may not assign the Contract without the approval of the Employer in writing. Subcontracting does not alter the Contractor's obligations.

8. Other Contractors

8.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer.

9. Personnel

9.1 The Contractor shall employ the technical personnel (of number and qualifications) as may be stipulated by GOK from time to time during the execution of the work. The technical staff so employed shall be available at site as may be stipulated by the Employer.

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

10. Employer's and Contractor's risks

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

11. Employer's risks

11.1 The Employer is responsible for the excepted risks which are:

- (a) Rebellion, riot commotion or disorder unless solely restricted to employees of the Contractor or his Sub-Contractors arising from the conduct of the Works; or
- (b) A cause due solely to the design of the Works, other than the Contractor's design; or
- (c) Any operation of the forces of nature (in so far as it occurs on the Site) which an experienced contractor:
 - (i) Could not have reasonably foreseen; or
 - (ii) Could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following measures;
 - (A) Prevent loss or damage to physical property from occurring by taking appropriate measures or
 - (B) Insure against such loss or damage

12. Contractor's risks

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

13. Insurance:

13.1 The Contractor shall prior to commencing the works, effect and thereafter maintain insurances , in the joint names of the Employer and the Contractor, (cover from the first working day after the Start Date to the end of Defects Liability Period and period of operation and maintenance), in the amounts stated in the Contract Data :

- (a) For loss of or damage to the Works, Plants and Materials and the Contractor's equipment;
- (b) For liability of both Parties for loss, damage, death and injury to third parties or their property arising out of the Contractor's performance of the Contract including the Contractor's liability for damage to the Employer's property other than the Works and
- (c) For liability of both Parties and of any Employer's representative for death and injury to the Contractor's personnel except to the extent that liability arises from the negligence of the Employer, any Employer's representative or their Employees.

13.2 Policies and certificates for insurance shall be delivered by the Contractor to the Employer for his approval before the Start Date. All such insurance shall provide for compensation to be payable to rectify the loss or damage incurred. All payments received from insurers relating to loss or damage shall be held jointly by the Parties and used for the repair of the loss or damage or as compensation for loss or damage that is not to be repaired.

13.3 If the Contractor fails to effect or keep in force any of the insurances referred to in the previous sub-clauses or fails to provide satisfactory evidence, policies or receipts, the Employer may without prejudice to any other right or remedy, effect insurance for the cover relevant to such default and pay the premiums due and recover the same as a deduction from any other monies due to the Contractor. If no payments is due, the payment of the premiums shall be a debt due.

13.4 Alterations to the terms of an insurance shall not be made without the approval of the Employer.

13.5 Both Parties shall comply with any conditions of the insurance policies.

14. Site Investigation Reports:

14.1 The Contractor, in preparing the tender, may rely on the investigation reports referred to in the contract data, supplemented by any information available to the Tenderer. However, the Tenderers are requested to investigate at their end for the completeness of the information. The Employer shall not be responsible for any lack of information for filling/execution of the Tender.

15. Queries about the Contract Data

15.1 The Employer will clarify queries on the Contract Data.

16. Contractor to construct the Works

16.1 The Contractor shall construct the Works in accordance with the Specification and Drawings.

17. The Works to be completed by the Intended Completion Date

17.1 The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the program submitted by the Contractor, as updated with the approval of the Employer, and complete them by the Intended Completion Date. If the works programme is revised by the contractor the approval of the employer is necessary. The contractor shall submit the revised works programme along with the deployment of the resources for approval of employer.

18. Approval by the Employer:

18.1 The contractor shall submit the specifications and the drawings showing the proposed Temporary Works to the Employer, who is to approve them if they comply with the Specifications and Drawings.

18.2 The Contractor shall be responsible for the design Temporary Works

18.3 The Employer's approval shall not alter the Contractor's responsibility for design of all the project's work including Temporary Works

18.4 The Contractor shall obtain approval of third parties to the design of third parties to the design of the temporary Works where required.

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

19. Safety

19.1 The Contractor shall be responsible for the safety of all activities on the Site.

20. Discoveries

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

21. Possession of the Site

21.1 The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Contract Data the Employer is deemed to have delayed the start of the relevant activities and this will be Compensation Event.

22. Access to the Site

22.1 The Contractor shall allow the Employer and any person authorized by the Employer access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plant are being manufactured / fabricated / assembled for the works.

23. Instructions

23.1 The Contractor shall carry out all instructions of the Employer which comply with the applicable laws where the Site is located.

24. Procedure for resolution of Disputes:

24.1 If the Contractor is not satisfied with the decision taken by the Employer, the dispute shall be referred by either party to Arbitration within 30 days of the notification of the Employer's decision.

24.2 If neither party refers the dispute to Arbitration within the above 30 days, the Employer's decision will be final and binding.

24.3 The Arbitration shall be conducted in accordance with the arbitration procedure stated in the Special Conditions of Contract.

B. Time Control

25. Program

- 25.1 Within the time stated in the Contract Data the Contractor shall submit to the Employer for approval a Program showing the general methods, arrangements, order, and timing for all the activities in the Works.
- 25.2 The Employer's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program showing the deployment of resources (human and machinery) and submit it to the Employer again at any time. A revised Program is to show the effect of Variations and Compensation Events, if any.

26. Extension of the Intended Completion Date

- 26.1 The Employer shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date.
- 26.2 The Employer shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Employer for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information.

27. Delays ordered by the Employer

- 27.1 The Employer may instruct the Contractor to delay the start or progress of any activity within the Works.

28. Management meetings

- 28.1 The Employer may require the Contractor to attend a management meeting. The business of a management meeting shall be to review the progress achieved and the plans for remaining work.
- 28.2 The responsibility of the parties for actions to be taken is to be decided by the Employer either at the management meeting or after the management meeting and stated in writing to be distributed to all who attended the meeting.

C. Quality Control

29. Identifying defects

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

30. Tests

30.1 If the Employer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect the test shall be a Compensation Event.

31. Correction of defects

31.1 The Employer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion and is defined in the Contract Data. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.

31.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Employer's notice.

32. Uncorrected defects

32.1 If the Contractor has not corrected a Defect within the time specified in the Employer's notice, the Employer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.

D. Cost Control

33. Bill of Quantities

33.1 The Bill of Quantities (BOQ) shall contain items for the construction, installation, testing, and commissioning work to be done by the Contractor.

33.2 The BOQ is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the BOQ for each item.

34. Variations

34.1 The Employer shall have power to order the Contractor to do any or all of the following as considered necessary or advisable during the progress of the work by him

- (a) Increase or decrease of any item of work included in the Activity Schedule;
- (b) Omit any item of work;
- (c) Change the character or quality or kind of any item of work;
- (d) Change the levels, lines, positions and dimensions of any part of the work;
- (e) Execute additional items of work of any kind necessary for the completion of the works;
- (f) Change in any specified sequence, methods or timing of construction of any part of the work.

34.2 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 by the Employer and such alteration shall not vitiate or invalidate the contract.

34.3 Variations shall not be made by the Contractor without an order in writing by the Employer, provided that no order in writing shall be required for increase or decrease in the quantity of an activity appearing in the Activity Schedule so long as the work executed conforms to the approved drawings.

34.4 The Contractor shall promptly request in writing the Employer to confirm verbal orders and if no such confirmation is received within 15 days of request, it shall be deemed to be an order in writing by the Employer.

35. Payments for Variations

35.1 Payment for increase in the quantities of an item in the BOQ up to 25% of that provided in the Bill of Quantities shall be made at the rates quoted by the Contractor.

35.2 For quantities in excess of 125% of the tendered quantity of an item as given in the BOQ, the Contractor shall be paid at the rate entered in or derived from in the Schedule of Rates (applicable for the area of the work and current at the time of

award of contract) plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract.

- 35.3 If there is no rate for the additional, substituted or altered item of the work in the BOQ, efforts would be made to derive the rates from those given in the BOQ or the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) and if found feasible the payment would be made at the derived rate for the item plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract
- 35.4 If the rates for additional, substituted or altered item of work cannot be determined either as at 35.1 or 35.2 or 35.3 above, the Contractor shall be requested to submit his quotation for the items supported by analysis of the rate or rates claimed, within 7 days.
- 35.5 If the Contractor's quotation is determined unreasonable, the Employer may order the Variation and make a change to the Contract Price which shall be based on Employer's own forecast of the effects of the Variation on the Contractor's costs.
- 35.6 If the Employer decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.
- 35.7 Under no circumstances the Contractor shall suspend the work on the plea of non-settlement of rates for items falling under this Clause.

36. Submission of bills for payment

- 36.1 The Contractor shall submit to the Employer monthly bills of the value of the work completed less the cumulative amount paid previously.
- 36.2 The Employer shall check the Contractor's bill and determine the value of the work executed which shall comprise of (i) value of the items of the BOQ completed (ii) valuation of Variations and Compensation Events.
- 36.3 The Employer

The Employer may exclude any item paid in a previous bill or reduce the proportion of any item previously paid in the light of later information

37. Payments

37.1 Payments shall be adjusted for deductions for advance payments, other recoveries in terms of the contract and taxes, at source, as applicable under the law. The Employer shall pay the Contractor the within 60 days of submission of bill with all requisite supporting documents. The contractor shall be liable to pay liquidated damages for shortfall in progress.

37.2 Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

37.3 From each payment to be made to the contractor, employer shall withheld 5% of the payable amount. The same shall be released after completion of defect liability period.

38. Compensation events

38.1 The following are Compensation events unless they are caused by the Contractor:

- (a) The Employer does not give access to a part of the Site by the Site Possession Date stated in the Contract Data.
- (b) The Employer orders a delay or does not issue drawings, specifications or instructions required for execution of works on time.
- (c) The Employer instructs the Contractor to uncover or to carry out additional tests upon work which is then found to have no Defects.
- (d) The Employer gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.
- (e) The effect on the Contractor of any of the Employer's Risks.
- (f) The Employer unreasonably delays issuing a Certificate of Completion.
- (g) Other Compensation Events listed in the Contract Data or mentioned in the Contract.

38.2 If a Compensation Event would prevent the work being completed before the Intended Completion Date, the Intended Completion Date is extended. The Employer shall decide whether and by how much the Intended Completion Date shall be extended.

38.3 As soon as information demonstrating the effect of each Compensation event upon the Contractor's forecast cost has been provided by the Contractor, it is to be

assessed by the Employer and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Employer shall adjust the Contract Price based on Employer's own forecast. The Employer will assume that the Contractor will react competently and promptly to the event.

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

39. Tax

39.1 The rates quoted by the Contractor shall be deemed to be inclusive of the all the applicable taxes including labour welfare cess and other taxes 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.

40. Price Adjustment: (Refer GOK Order No.FD 59 Pro.Cell 2004, Bangalore Dated 26th November 2004 **AND** Government order No. FD 3 PCL 2008, Bangalore, Dated: 21-11-2008)

As per Government order No. FD 3 PCL 2008, Bangalore dated 21.11.2008;
"If the period of execution is more than 6 months but less than or equal to 12 months for work costing more than Rs.50.00 Lakhs, star rates in respect of specified materials (Cement, Steel and Bitumen) only shall be payable to the contractor based on the all India average wholesale price index for the said materials. The star rates adjustment shall be as per the increase or decrease in the index as applied to the said materials between the last date for receiving bids and the date of execution as per the approved programme of works submitted by the contractor at the time of execution of agreement which shall mandatorily be a part of the agreement".

41. Liquidated damages

41.1 The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the Contract Data for each day that the Completion Date is later than the Intended Completion Date (for the whole of the works or the milestone as stated in the Contract Data). The total amount of liquidated damages shall not exceed the amount defined in the Contract Data. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages does not affect the Contractor's liabilities.

41.2 If the Intended Completion Date is extended after liquidated damages have been paid, the Employer shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment of bill.

42. Advance Payments:

- 42.1 The Employer shall make payment to the Contractor of the amounts stated in the Contract Data by the date stated in the Contract Data, against provision by the Contractor of an unconditional bank guarantee in a form acceptable to the Employer issued by a Nationalized/Scheduled Bank in amounts equal to the advance payment. The guarantee shall remain effective until the advance payment has been repaid, but the amount of the guarantee shall be progressively reduced by the amounts repaid by the Contractor.
- 42.2 The Contractor is to use the advance payment only to pay for Mobilization expenses required specifically for execution of the Works. The Contractor shall demonstrate that advance payment has been used in this way by supplying copies of invoices or other documents to the Employer.
- 42.3 The advance payment shall be repaid by deducting proportionate amounts from payments otherwise due to the Contractor, following the schedule of completed percentages of the Works on a payment basis. No account shall be taken of the advance payment or its repayment in assessing valuation of the work done, variations, price adjustments, compensation events or liquidated damages.

43. Securities:

- 43.1 The Security deposit (including additional security for unbalanced/ front loaded tenders) shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and type of instrument acceptable to the Employer. The Security deposit shall be valid until a date 30 days from the date of expiry of Defects Liability Period and the additional security for unbalanced tenders shall be valid until a date 30 days from the date of issue of the certificate of completion.

44. Cost of Repairs:

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

E. Finishing the Contract

45. Completion

45.1 The Contractor shall request the Employer to issue a Certificate of Completion of the Works and the Employer will do so upon deciding that the Work is completed after 12 months from the date of final settlement.

46. Taking over

46.1 The Employer shall take over ¹⁷the Site and the Works within seven days of issuing a certificate of Completion.

47. Final account

47.1 The Contractor shall supply to the Employer a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Employer shall issue a Defect Liability Certificate and certify any final payment that is due to the Contractor within 90 days of receiving the Contractor's account if it is correct and complete. If it is not, the Employer shall issue within 90 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Employer shall decide on the amount payable to the Contractor and make payment within 60 days of receiving the Contractor's revised account.

48. As built drawings and /or Operating and Maintenance Manuals

48.1 "As built"¹⁸ drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the Contract Data.

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

49. Termination

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

¹⁷ Take over means to takeover or to be handed over to the line department on the request of the Employer.

¹⁸ Completion Drawings

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

- (a) The Contractor stops work for 45 days when no stoppage of work is shown on the current Program and the stoppage has not been authorized by the Employer;
- (b) The Employer instructs the Contractor to delay the progress of the Works and the instruction is not withdrawn within 60 days;
- (c) The Contractor becomes bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
- (d) A payment due to the Contractor is not paid by the Employer within 90 days of the date of the submission of the Bill along with requisite supporting documents by Contractor;
- (e) The Employer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Employer;
- (f) The Contractor does not maintain a security which is required;
- (g) The Contractor has delayed the completion of works by the number of days for which the maximum amount of liquidated damages can be paid as defined in the Contract data; and
- (h) If the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in the executing the Contract.

For the purpose of this paragraph : “**corrupt practice**” means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution. “**Fraudulent practice**” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition.”

49.3 When either party to the Contract gives notice of a breach of contract to the Employer for a cause other than those listed under Sub Clause 49.2 above, the Employer shall decide whether the breach is fundamental or not.

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

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

50. Payment upon Termination

50.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Employer shall prepare bill for the value of the work done less advance payments received up to the date of the bill, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the Contract Data. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor the difference shall be a debt payable to the Employer.

50.2 If the Contract is terminated at the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Employer shall prepare bill for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract, and less taxes due to be deducted at source as per applicable law and make payment accordingly.

51. Property

51.1 All materials on the Site, Plant, Equipment, Temporary Works and Works are deemed to be the property of the Employer, if the Contract is terminated because of a Contractor's default.

52. Release from performance

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

F. Special Conditions of Contract

1. Labour:

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

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

2. Compliance with labour regulations:

During continuance of the contract, the Contractor and his sub-contractors shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made there under, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, Employer shall have the right to deduct any money due to the Contractor including his amount of security deposit. The Employer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The employees of the Contractor and the Sub-Contractor in no case shall be treated as the employees of the Employer at any point of time.

3. Protection of Environment:

The contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation. During continuance of the contract, the contractor and his sub -contractors shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, bye-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority. The contractor shall submit Environmental Management Plan (EMP) and its monthly compliances.

Monitoring Requirement & Specifications

No	Monitoring Requirements	Specification	Responsible agency
1	Noise levels at the construction sites(only during construction period)	Monitoring at all locations hourly basis for 24 hour period. Once every season of the year during construction period.	Contractor
2	Disposal of construction debris	Periodic inspection at haul roads and sites for construction debris for safe collection and disposal to identified land fill sites.	Contractor
3	Traffic and Transportation	Measures for diverting the traffic during construction across roads within the ULB	Contractor in consultation with TSCL, ULB and local police department
4	Domestic sewage and refuse management at the labour camps and construction sites	Check for adequacy of sanitation arrangements at the labour camps	Contractor
5	Water Pollution	Check for: <ul style="list-style-type: none"> • Blockage of flowing water which may lead to stagnation of water • Soil erosion due to construction activities leading to contamination and siltation of water bodies. 	Contractor

		<ul style="list-style-type: none"> Water contamination due to use of fuel and lubricants at the construction sites. 	
6	Procurement of construction material	Check that procurement of construction materials should be only from permitted sites and quarries.	Contractor

Location of Noise monitoring shall be wherever the contractor decides to locate the equipment yard and at sensitive locations such as school, hospitals, dispensary etc. In case of noise levels causing disturbance to the sensitive receptors, management measures as suggested in the EMP shall be carried out.

The implementation of Mitigation Measures is the responsibilities of the Contractor/PC/Employer. However, it may be noted that implementation of all the measures is full responsibility of Contractor. The PC/ Employer would be responsible only for monitoring/supervision/guidance, etc.

4. Arbitration (Clause 24)-

4.1 The procedure for arbitration shall be as follows:

All the disputes arising out of or in connection with this contract, not settled by amicable settlement, shall be finally referred to the Deputy Commissioner (DC) of the district. Upon such reference the DC shall attempt to amicably resolve the dispute within (60) days. If the dispute is not settled for the first appeal shall be referred lie with the Secretary Urban Development Department (UDD), Govt. of Karnataka (GoK) who shall be the sole arbitrator, who will conduct the proceedings in accordance with procedures prescribed under arbitration and Conciliation Act 1996, of India and/or its latest amendments if any. The decision of the Secretary UDD shall be binding on either party. If the dispute is not amicably settled within 60 (Sixty) days from the date of reference to Secretary UDD, or 120 (One Hundred and Twenty) days from the first reference to the Board, either party may refer the dispute to the Court of Law.

5. Liquidated Damages (GCC Clause 41)

Please substitute last sentence with the following (41.3)

“Time is an essence of the contract and payment or deduction of liquidated damages shall not relieve the contractor from his obligations to complete the work as per agreed construction program and milestones or from any of the contractor’s obligations and liabilities under the contract”

Liquidated damages once levied as per contract data for delay of achievement of a milestone cannot be refunded even if the subsequent milestone is achieved in time

or the entire is completed by the intended completion date, unless the extension of time is granted for that particular milestone.

6. Death of a Contractor:

In the case of death of a contractor after executing / commencement of the work, his legal heir, if an eligible registered contractor and willing can execute and complete the work at the accepted tender rates irrespective of the cost of work.

7. Establishment of Field laboratory (Clause 30)

The contractor shall establish the field testing laboratory within two weeks from the date of agreement and/or shall make an agreement with any of the Engineering College ¹⁹in the Tumakuru for performing the test as per the details provided in Section 7: Specification.

8. Defect Liability Period

- 8.1** The Defects Liability Period is 12 months from the date of completion of the project (Clause no 47) and shall have the following conditions.
- 8.2** The Employer shall give the Contractor a notice stating the nature of any such defect together with all available evidence thereof, promptly following the discovery thereof. The Employer shall afford all reasonable opportunity for the Contractor to inspect any such defect.
- 8.3** The Employer shall afford the Contractor all necessary access to the Facilities and the Site to enable the Contractor to perform its obligations under this clause.
- 8.4** The Contractor may, with the consent of the Employer, remove from the Site any part of the work/equipment/Facilities that are defective if the nature of the defect, and/or any damage to the Facilities caused by the defect, is such that repairs cannot be expeditiously carried out at the Site.
- 8.5** If the repair, replacement, or making good is of such a character that it may affect the efficiency of the Facilities or any part thereof, the Employer may give to the Contractor a notice requiring that tests of the defective part of the Facilities shall

¹⁹ If the Contractor prefer to conduct from the Engineering College, The contractor shall submit a copy of the Agreement/MOU. To the Employer.

be made by the Contractor immediately upon completion of such remedial work, whereupon the Contractor shall carry out such tests.

- 8.6 If such part fails the tests, the Contractor shall carry out further repair, replacement, or making good, as the case may be, until that part of the Facilities passes such tests. The tests shall be agreed upon by the Employer and the Contractor.
- 8.7 If the Contractor fails to commence the work necessary to remedy such defect or any damage to the Facilities caused by such defect within a reasonable time (which shall in no event be considered to be less than fifteen (15) days), the Employer may, following notice to the Contractor, proceed to do such work, and the reasonable costs incurred by the Employer in connection therewith shall be recovered from the Contractor or may be deducted by the Employer from any amount due to the Contractor or claimed under the Performance Security.
- 8.8 If the Facilities or any part thereof cannot be used by reason of such defect and/or making good of such defect, the Defect Liability Period of the Facilities or such part, as the case may be, shall be extended by a period equal to the period during which the Facilities or such part cannot be used by the Employer because of any of the aforesaid reasons.
- 8.9 In addition, any such component of the Facilities and during the period of time as may be specified in the SCC shall be subject to an extended Defect Liability Period. Such obligation of the Contractor shall be in addition to the Defect Liability Period specified under this SCC Sub-Clause .

9. Project Duration

(Clause no 45)

Construction	Twelve (12) Months
Defect Liability Period	Twelve (12) Months

Annexure: List of Organizations Who Are Considered As Appointing Authority for Appointment Of Arbitrators

1. Indian Council of Arbitration, New Delhi;
2. International Centre for Alternative Disputes Resolution (India);
3. Indian Roads Congress;
4. Indian Building Congress;
5. Indian Institute of Bridge Engineers;
6. Indian Institute of Public Health Engineers;
7. Institute of Water Works

SECTION 6: CONTRACT DATA

Items marked "N/A" do not apply in this Contract

The following documents are also part of the Contract:	Clause Reference
<ul style="list-style-type: none"> • The Schedule of Operating and Maintenance Manuals 	[48]
<ul style="list-style-type: none"> • Program of Construction 	[25]
<ul style="list-style-type: none"> • Site Investigation Reports 	[14]
<ul style="list-style-type: none"> • The Schedule of Key and Critical Equipment to be deployed On the work as per agreed program of construction. 	[25]

The Employer is:

**MD and CEO,
Tumakuru Smart City Limited
Mahalakshmi Arcade, 1st Floor, S.S. Puram Main Road,
Coffee Board Colony, Tumakuru- 572102, Karnataka State**

Name of authorized Representative: _____

The name and identification number of the Contract is Tender Reference No TSCL/TENDER/CR/34/2017-18. The Works consist of **Rejuvenation/Redevelopment of Ring Road in Tumakuru**

Smart City Mission, launched by Government of India, focuses on development of cities that provide core infrastructure and give a decent quality of life to its citizens, a clean and sustainable environment and application of 'Smart' Solutions. The focus is on sustainable and inclusive development and the idea is to look at compact areas, create a replicable model which will act like a light house to other aspiring cities.

Smart Cities Mission of the Government is a bold, new initiative. It is meant to set examples that can be replicated both within and outside the Smart City, catalysing the creation of similar Smart Cities in various regions and parts of the country.

The core infrastructure elements in a smart city would include:

- i. Adequate water supply,
- ii. Assured electricity supply,
- iii. Sanitation, including solid waste management,
- iv. Efficient urban mobility and public transport,
- v. Affordable housing, especially for the poor,
- vi. Robust IT connectivity and digitalization,
- vii. Good governance, especially e-Governance and citizen participation,
- viii. Sustainable environment,
- ix. Safety and security of citizens, particularly women, children and the elderly, and
- x. Health and education.

Project Management Consultant for Tumakuru Smart City Limited is proposing the “Development of Smart Roads in Tumakuru Smart City”. In the proposed scenario the Ring road has been taken up for providing better solution for “Efficient Urban Mobility and Public Transport”

The existing Ring Road also known as inner ring road was one of the projects under taken by Tumkur Urban Development Authority with the financial assistance of Karnataka Urban Infrastructure Development Finance & Corporation (KUIDFC) under ADB loan. The Ring (inner Ring Road). The following are the objectives to develop the Ring road:

- To improve connectivity and travel throughout the city and its region.
- To improve mobility within neighbourhoods, wards, zones and suburbs so as to take care of intra city transportation needs.
- To reduce the traffic load on BH road for the traffic passing toward Honnavar and Kunigal.

The Project consisting of both land acquisition of about 45.00 m right of way (Total Land acquired for Ring Road Development 91 A-32.75 G) and Development of 7.00 in carriage way for the traffic standards few CD works & pipe culverts for about 10.50 Kms stretch.

Presently the Ring road in its existing condition is not being used properly due to the following reasons:

- Poor Condition of the road and water logging on the road due to lack of proper cross drainage.
- No proper signages, street furniture, signalling, footpaths, cycle track etc.
- The degradation of the ring road has led to number of accidents due to which the public and private transport does not prefer to use this ring road.

Components required and Provisions made for the redevelopment of 45.00 mts width Ring Road

As per the traffic analysis 4 lane is required. However the following is recommended for smoothening the traffic in ABD area and for the effective utilization of the 45.00 mtr wide right of way and 10.500 Km length, the following interventions are required:

- Aligned Centerline as per the provision of 4 lane with median.
- Flexible Pavement
 - Km 0.00 to Km 7.100 - 2 Lane with extension of cross drainage to 45 m ROW.
 - From Km 7.100 to 10.524 four (4) Lane proposed Strengthening of the Road
- Rigid Pavement for Service Road from Km 7.100 to 10.524
- Drainage along the road
 - From KM 0.000 to Km 7.100 (lined drain- Earthen Drain)
 - From Km 7.100 to Km 10.524 RCC drain with removable cover slab for easy maintenance.
- Culverts for cross drainage
 - One New Culvert Hume pipe
 - 8 culvert reconstruction as per hydraulic model
 - 5 Hume pipe culvert and
 - 3 slab culvert

Apart from the above the provision for the future expansion as per the requirement of future traffic volume has been made:

- Provision for Future expansion of pavement width
- Provision for Service Lane for remaining road
- Foot Path
- Road/Street Light
- Realignment of existing electric poles as required to be done by respective line department as per KUIDFC Circular No. KUIDFC/27/Smart Cities/2016-17 dated 24/05/2017(Copy attached)

Salient Features:

Design Criteria

The pavement design is done as per IRC 37:2012. The CBR value is 7 as per the sample collected and tested. The design is based upon the CBR 7%.

CC Drains and Culverts:

On the both side of the road in critical stretch of Km 7.100 to Km 10.524 meter from Kunigal Junction to Gubbi Gate on both sides C.C drains of width 1.2 x 1.2 mtrs is proposed to be constructed to drain off the rainwater from the surface of the road, catch basins are also proposed. Extension of existing culverts of 27 Mtr is proposed (pipe and RCC Culverts) one Number of Hume pipe culvert is the required stretch is proposed to be constructed for cross drainages to lead off the water from the drain.

The existing culverts of 8 numbers recommended for upgradation as per the hydraulic model.

Service Road

Presently there is no service road on the existing Ring Road, on both side of the road at upto 3424 metre stretch from Kunigal Junction to Gubbi Gate Junction. The partial funding of Rs. 5 Cr. is committed by TUDA to the Smart City for construction of the same.

Footpath

A footpath of 3.424 Km m is proposed for the free and safe movement of the pedestrians along the length of the road form Kunigal Junction to Gubbi Gate Junction..

Green Space

The green space of 1.2 mtr for greenery (turning), has been provided to prove the safe and green environment on the ring road. And a shade to the pedestrian and NMT passengers. The plantation of grass is provisioned under this project, however the plantation of the trees has not been provisioned under this package, the same shall be provided under the as a part of plantation of trees under other packages.

Selection criterion for material type

Sl. No	Material type	Selection criterion
	Granular Sub Base - Grading III	Drainage requirement is predominant and design thickness is 230mm w.r.t. CBR 7% and 150MSA. GSB grading III is adopted as per MoRTH (5th revision) Clause 401.2.1
	Wet Mix Macadam - Grade-I	Design thickness is 250mm and single layer thickness is 125mm. As per Table 400-10 of MoRTH (5th revision), Grade-I is adopted.
	Dense Bituminous Macadam- Grade-II	Design thickness is 140mm and single layer thickness is 70mm. As per Table 500-9 of MoRTH (5th revision), Grade-II is adopted.
	Bituminous Concrete - Grade-II	Design thickness is 50mm. As per Table 500-19 of MoRTH (5th revision), Grade-II is adopted.
	Concrete Road	Rigid Pavement for Service

- Design life of pavement for main carriageway– Ring road can be considered as a urban road. 20 years design life is considered as per IRC-37-2012.
- Rigid Pavement designed for service road as per IRC 58-2015.

The start date shall be the date of issue of notice to proceed with the work. [1.1]

The intended completion date for the whole of the work is 12 calendar months including monsoon. [17, 26]

Milestone dates:

Physical works progress to be completed Period from the date of issue of notice to proceed with the work

Milestone 1 i.e., at the end of 3th month – 15%-Rs 9,07,91,228.25

Milestone 2 i.e., at the end of 6th month – 40 %-Rs-15,13,18,713.75

Milestone 3 i.e., at the end of 9th month – 75%-Rs 21,18,46,199.25

Milestone 4 i.e., at the end of 12th month – 100%-Rs 15,13,18,713.75

The Site Possession Date is within one week after issue of work order [21]

The Site is located Tumakuru City

The Defects Liability Period is 12 months from the date of issue of completion certificate [31]

Insurance requirements are as under: [13]

Type of Cover	Minimum cover for Insurance	
(i)	Works and of Plant and materials	The sum stated in the Agreement plus 20%
(ii)	Loss or damage to equipment	Full replacement cost
(iii)	Loss or damage to property of Third Party	Full replacement cost
(iv)	Personal injury or death insurance (a) Minimum Rs 20.00 lakhs to cover 4 persons @ Rs 5 lakh each. (b) for Contractor's employees or labour	
	In accordance with the statutory requirements applicable to Karnataka	

Price Adjustment: The formulae for price Adjustment shall be as prescribed in Annexure -1 to the G.O. No. FD 59 PRO. Cell/2004 dated 26-11-2004 and **Government order No. FD 3 PCL 2008, Bangalore, Dated: 21-11-2008)**

Price Adjustment Formula; [40] R= Value of work as defined in Clause 40.1 of Conditions of Contract.

Adjustment for labour component:

- (i) Price adjustment for increase or decrease in the cost due to labour shall be paid in accordance with the following formula:

$$V_L = 0.85 \times PL / 100 \times R \times (L_i - L_o) / L_o \text{ Where,}$$

V_L = Increase or decrease in the cost of work during the quarter under consideration due to Changes in rates for local labour;

L_o = the average consumer price index³⁹ for industrial workers for Hubli/Dharwad Centre for the quarter preceding the date of opening of tenders as published by the Labour Bureau, Ministry of Labour, Government of India;

L_i = the average consumer price index for industrial workers for Hubli/Dharwad Centre for the quarter under consideration as published by Labour Bureau, Ministry of Labour, Government of India

P_L = Percentage of labour component of the work

Adjustment for Cement Component:

³⁵ The period should depend up on the period required for testing of the work. In case of building it could be 12 months (passing of one rainy season); for pipe laying work, tanks, water retaining structures, the time required for testing; for canals, lining works, the passing of one monsoon or running of canal whichever is lower; roads and highways passing of one monsoon (12 months)

³⁶ Employer to specify as per requirement. Exclusions if any should also be specified.

³⁷ Specify an appropriate figure. For normal works it could be Rs.20 lakhs to cover 4 persons @Rs.5 lakhs each.

³⁸ The Formula has some normal components. It should be changed if need be to suit the nature of the work.

³⁹ The Index numbers are available in the web site <http://labourbureau.nic.in/indtab.html>

⁴⁰ Insert the name of center. The centres for which the indices presently available for Karnataka State are

Bangalore, Belgaum, Hubli/Dharwad, Mercara. Chose the center nearest to the work for which tenders are invited.

- (ii) Price adjustment for increase or decrease in the cost of cement component procured by the contractor shall be paid in accordance with the following formula.

$$V_C = 0.85 \times P_C / 100 \times R \times (C_i - C_o) / C_o, \text{ Where,}$$

V_C = Increase or decrease in the cost of the work during the quarter under consideration due to changes in the rates for cement;

C_o = the all India average wholesale price index⁴¹ for cement (Ordinary Portland Cement) for

The quarter preceding the date of opening of the tenders as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi; C_i = The all India average wholesale price index for cement (Ordinary Portland Cement) for the quarter under consideration as published by the Office of Economic Advisor, Ministry of

Commerce and Industry, Government of India, New Delhi

P_C = Percentage of cement component of the work

Note: For the application of this clause index of Ordinary Portland Cement⁴² has been chosen to represent Cement Group

Adjustment for steel component:

- (iii) Price adjustment for increase or decrease in the cost of steel procured by the contractor shall be paid in accordance with the following formula.

$$V_S = 0.85 \times P_S / 100 \times R \times (S_i - S_o) / S_o \text{ where,}$$

V_S = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for steel;

S_o = The all India average wholesale price index for steel (M.S. Bars and rods) for the quarter preceding the date of opening of Bids as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

S_i = The all India average wholesale price index for steel (M.S. Bars and Rods) for the quarter under consideration as published by the Office of Economic Advisor, Ministry of Commerce and Industry, New Delhi

P_S = Percentage of steel component of the work

Note: For the application of this clause, index of M.S. Bars and Rods⁴³ has been chosen to represent steel group.

Adjustment of Bitumen Component:

- (iv) Price adjustment for increase or decrease in the cost of bitumen shall be paid in accordance with the following formula:

$$V_B = 0.85 \times P_B / 100 \times R \times (B_i - B_o) / B_o, \text{ Where}$$

V_B = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rate for bitumen.

B_o = the official retail price of bitumen at the IOC /HPCL/BPL or any other depot at⁴⁴ on the day 30 days prior to the date of opening of Bids **(VG-30)**.

B_i = the official retail price of bitumen at the IOC/HPCL/BPL or any other depot at for the 15th day of the middle calendar month of the quarter under consideration **(VG-30)**.

P_B = percentage of bitumen component of the work.

⁴¹ The index number are available in the web site <http://eaindustry.nic.in>

⁴² This may be changed to any other type of cement depending on the nature of work.

⁴³ This may be changed depending on the major type of steel used depending on the nature of work

⁴⁴ Insert the nearest location of POL Depot

Adjustment of Fuel and Lubricant component:

- (v) Price adjustment for increase or decrease in cost of Fuel and Lubricants shall be paid in accordance with the following formula:

$$V_F = 0.85 \times P_F / 100 \times R \times (F_i - F_o) / F_o, \text{ Where,}$$

V_F = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for Fuel and Lubricants.

F_o = the official retail price of High Speed Diesel (HSD) at the IOC/HPCL/BPL or other consumer pump at⁴⁵ on the day 30 days prior to the date of opening of Bids.

F_i = The official retail price of HSD at the IOC/HPCL/BPL or other consumer pump at for the 15th day of the middle calendar month of the quarter under consideration. P_F = Percentage of Fuel and Lubricant component of the work.

Note: For the application of this Clause the price of HSD⁴⁶ has been chosen to represent Fuel and Lubricant Group

Adjustment for Plant and Machinery Spares Component:

- (vi) Price adjustment for increase or decrease in the cost of plant and machinery spares procured by the contractor shall be paid in accordance with the following formula:

$$V_P = 0.85 \times P_P / 100 \times R \times (P_i - P_o) / P_o, \text{ Where}$$

V_P = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for plant and machinery spares.

P_o = The all India average wholesale price index for Heavy machinery and parts for the quarter preceding the date of opening of bids, as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

P_i = The all India average wholesale price index for Heavy machinery and parts for the quarter under consideration as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

P_B = Percentage of Plant and Machinery Spares component of the work.

Note: For the application of this Clause index of Heavy Machinery and Parts⁴⁷ has been chosen to represent the Plant and Machinery Spares Group.

Adjustment for Other materials.

- (vii) Price adjustment for increase or decrease in the cost of other materials other than cement, steel, bitumen and Fuel and Lubricants⁴⁸ procured by the contractor shall be paid in accordance with the following formula:

$$V_M = 0.85 \times P_M / 100 \times R \times (M_i - M_o) / M_o, \text{ Where}$$

V_M = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for local materials other than cement, steel, bitumen and Fuel and Lubricants.

⁴⁵ Insert the location of the nearest POL Consumer pump

⁴⁶ This could be appropriately changed to any other item depending on the nature of work.

⁴⁷ This could be appropriately changed to any other item depending on the nature of the work.

⁴⁸ Add, delete or change depending on the nature of work.

M_o = The all India average wholesale price index for all commodities for the quarter preceding the date of opening of bids, as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

M_i = The all India average wholesale price index for all commodities for the quarter under consideration as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

P_M = Percentage of other material component (Other than cement, steel, bitumen and Fuel and Lubricants) of the work.

The following percentages⁴⁹ will govern the price adjustment for the entire contract:⁵⁰

1.	Labour – P_L	15.00 %
2.	Cement – P_C	7.00%
3.	Steel – P_S	10.00%
4.	Bitumen- P_B	10.00%
5.	Fuel and Lubricants – P_F	10.00%
6.	Plant and Machinery Spares	20.00%
7.	Other materials – P_M	28.00%
	TOTAL	100.00 %

Note: for the purpose of working out price adjustment and star rates, the price index issued from time to time by the Ministry of Commerce and Industry, Government of India should be adopted.

The liquidated damages for the whole of the works are **0.1% per day of delay** and that for the milestones as discussed and decided during negotiation). **(Clause no 41)** and that for the milestones are as under:

For Mile stone 1: 0.05% per day (Rs -----Per day)

For Mile stone 2: 0.08% per day (Rs -----Per day)

For Mile stone 3: 0.13% per day (Rs -----Per day)

For Mile stone 4: 0.15% per day (Rs -----Per day)

The maximum amount of liquidated damages for the whole of the works is 10 (ten) per cent of the accepted contract price. [41]

49

The percentages have to be approximately worked out on the estimates of cost and incorporated in the tender document before issue. It shall not be changed even if there is change of scope of work during execution.

50

The components could be added or deleted or changed depending on the nature of the work.

51

This could vary from 5% for normal works and 10% for highly mechanized operations in the work

52

This could vary from 15% for normal works to 30% for highly mechanized operations in the work

53

The total of the percentages for the various components of the works should be 100.

54

The amount is usually computed on the basis of 0.1% of the contract price per day. The amount has to be specified as a round figure nearest to the hundred.

The amounts of the advance payment are: [42]

Nature of Advance	Amount (Rs.)	Conditions to be fulfilled
Mobilisation	5% of the Contract price	On submission of unconditional Bank Guarantee. (to be drawn before end of 20% of Contract period)

(The advance payment will be paid to the Contract no later than 30 days after fulfilment of the above conditions).

Repayment of advance payment for mobilization: [42]

The advance loan shall be repaid with percentage deductions from the interim payments certified by the Engineer under the Contract. Deductions shall commence in the next Interim Payment Certificate following that in which the total of all such payments to the contract has reached not less than 15% of the contract price.

The date by which “as-built “drawings (in scale) in 2 sets are required is within 30 days of issue of certificate of completion of whole or section of the work as the case may be the amount to be withheld for failing to supply “as built”. The amount sufficient to get the completion drawings or operating & maintenance manual prepared by alternative agency in case the contractor fails to submit. Drawings or supply of O&M manuals by the date require is 10% of the respective schedule. [48]

The following events shall also be fundamental breach of contract [49.2]

1. The contractor has contravened Sub-clause 7.1 and Clause 9 of CC.

The percentage to apply to the value of the work not completed representing the Employer's [50.1] additional cost for completing the Works shall be 30%.

SECTION 7: SPECIFICATIONS

- (i)** Work to be executed as per relevant KSRRB, MORTH, IRC, detailed specification, MI specification, (PW P&I water transport Electrical), Electrical works Specifications of BESCO and as per relevant Bureau of Indian Standard Specifications.

- (ii)** Third Party Inspection (TPI) for the material before despatch shall be arranged by the contractor for which it is assumed that the cost of the TPI is for the items/material are inclusive in the rates by the Tenderer/contractor. No extra amount shall be paid by the Employer for any such TPI. The Employer/ his nominated representative may request to the Contractor for Joint TPI.

SECTION 8: DRAWINGS

- **Attached Separately**

SECTION 9: Bill of Quantities

(Refer Financial Bid document online)

SECTION 10: FORMAT OF BANK GUARANTEE FOR SECURITY DEPOSIT

To: _____ *[name of Employer]*

_____ *[address of Employer]*

WHEREAS _____ *[name and address of Contractor]* (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. ____ dated _____ to execute

_____ *[name of Contract and brief description of Works]* (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rs. _____ *[amount of guarantee]* ^a Rupees _____ *[in words]*, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of

_____ *[amount of guarantee]* ^b as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 30 days from the date of expiry of the Defects Liability Period.

Signature and seal of the Guarantor _____

Name of Bank _____

Address _____

Date _____

- a. An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract
- b. An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract