



IT EXPRESSWAY LTD. (ITEL)

(A Special Purpose Vehicle)

“Providing Road Furniture from Akkarai to Muttukadu (i.e.) Km 22/300 to 33/000 at East Coast Road”

BID DOCUMENT

Section I	:	Instructions to Bidders
Section II	:	Forms of Bids & Forms of Securities
Section III	:	Conditions of Contract
Section IV	:	Contract Data
Section V	:	Bill of Quantities
Section VI	:	Technical Specifications

ITEL

M/s IT Expressway Limited,
No.171, TNMB Building, II Floor,
Tamil Nadu Maritime Board building,
South Kesavaperumal Puram,
Pasumpon Muthuramalingam Road (Greenways Road),
Raja Annamalai Puram, Chennai 600 028
Phone No.: 2495 2800 / 3800, **Fax No.:** 2493 3800

IT EXPRESSWAY LIMITED (ITEL)

(A Special Purpose Vehicle)

“Providing Road Furniture from Akkarai to Muttukadu (i.e.) Km 22/300 to 33/000 at East Coast Road”

Schedule of Bidding Process

Period of Issue of Tender Document	08th November, 2019 to 22nd November, 2019
Bid Document Price (inclusive of GST)	Rs. 16,800/- DD in Favour of M/s. IT Expressway Limited (ITEL) payable at Chennai
Earnest Money Deposit (EMD) / Bid Security	Rs.1,43,000/- DD in Favour of M/s. IT Expressway Limited (ITEL) payable at Chennai
Last Date and Time for Receipt of Bids	25th November, 2019 at 15.00 Hrs
Bid – Opening Date and Time	25th November, 2019 at 15.30 Hrs

IT EXPRESSWAY LIMITED (ITEL)

(A Special Purpose Vehicle)

“Providing Road Furniture from Akkarai to Muttukadu (i.e.) Km 22/300 to 33/000 at East Coast Road”

CONTENTS OF BID DOCUMENT

Invitation for Bids	
Section I	Instructions to Bidders
Section II	Forms of Bid & Forms of Securities
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Section V	Bill of Quantities (BoQ)
Section VI	Technical Specifications



IT EXPRESSWAY LTD.

INVITATION FOR BIDS

Tender Notice No.:ITEL/CD/009/2019

Date: 07.11.2019

Bids are invited by **M/s.IT Expressway Ltd. (ITEL)** for implementation of the following works in **East Coast Road(ECR) and Rajiv Gandhi Salai (OMR), Tamil Nadu on 25th November 2019 upto 3.00 PM.**

S. No.	Description of Work	Indicative value of work (Rs) inclusive of GST	EMD / Bid Security Value (Rs)	Bid Document Cost(Rs)	Period of Completion
1	Providing Road Furniture from Akkarai to Muttukadu (i.e.) Km 22/300 to 33/000 at East Coast Road	142.64 lakhs	1,43,000/-	16,800/-	02 months
2	Providing Road Furniture from Muttukadu to Vadanemmeli (i.e.) Km 33/000 to 44/000 at East Coast Road	153.18 lakhs	1,54,000/-	16,800/-	02 months
3	Providing Road Furniture from Vadanemmeli to Mahabalipuram (i.e.) Km 44/000 to 55/800 at East Coast Road	159.69 lakhs	1,60,000/-	16,800/-	02 months
4	Providing road furnitures at Rajiv Gandhi Salai (OMR) from Madhya Kailash to Sholinganallur Jn (i.e.) Km 0/000 to Km 12/300 and ECR link road (i.e.) Km 0/000 to 2/150	159.63 lakhs	1,60,000/-	16,800/-	02 Months
5	Painting Centre Median Kerb, Arrow Kerb, Divider Kerb and Guard Rail from Madhya Kailash Junction to Sholinganallur Ch: 0/000 to 13/100 and ECR link Road Ch: 0/000 to 2/150 in Rajiv Gandhi Salai(OMR)	35.43 lakhs	35,500/-	10,080	02 Months

The Bid documents and other details for the mode of remittance of EMD/Bid Security and cost of Tender Document, last date for the issue of tender document, opening of tender etc., are available in the website www.tnrdc.com. In case of any changes / corrections etc on the above, the same will be published in the above website only.

Chief General Manager
IT Expressway Ltd.

Section I
Instructions to Bidders

SECTION 1: INSTRUCTIONS TO BIDDERS

A: GENERAL

1. Scope of Bid

1.1 Background

- (a) **M/s. IT Expressway Ltd. (ITEL)** is the SPV formed by **M/s Tamil Nadu Road Development Company Ltd. (TNRDC)** for the purpose of implementing IT Corridor Project in Chennai. Rajiv Gandhi Salai (IT Corridor) is under the Improvement & Maintenance Scheme as per long term Agreement between GoTN & ITEL.
- (b) Bids are invited by **M/s. IT Expressway Ltd. (ITEL)** for **“Providing Road Furniture from Akkarai to Muttukadu (i.e.) Km 22/300 to 33/000 at East Coast Road ”**

The total estimated cost is **Rs. 142.64 Lakhs (inclusive of GST)**.

- 1.1.2 The successful bidder will be expected to complete the works within **02 months** period from the date of entering into Contract Agreement.
- 1.1.3 The execution of the above works is proposed to be on **“Item Rate Contract basis”**. The approximate quantities for all items of works to be executed are furnished in the Bill of Quantities – Section - V of the bidding document.

1.2 Scope of works

- 1.2.1 The broad scope of Works to be carried out by the selected bidder includes the following components, but is not limited to:

“Providing Road Furniture from Akkarai to Muttukadu (i.e.) Km 22/300 to 33/000 at East Coast Road ”

The details of the work are as follows:

Description of Work	Indicative value of work (Rs)	EMD / Bid Security Value (Rs)	Period of Completion
Providing Road Furniture from Akkarai to Muttukadu (i.e.) Km 22/300 to 33/000 at East Coast Road	142.64 lakhs	1,43,000/-	02 Months

- Other works and services as may be indicated in the contract.

The Non Refundable Bid Document Cost for the work is **Rs.16,800/- (Rupees Sixteen Thousand Eight Hundred Only) inclusive of GST** as indicated in Clause 4.1. EMD should be attached for the work as given in Clause 15.

Any bid not accompanied by the Bid Document duly signed in all pages and acceptable Bid document Cost & EMD, shall be summarily rejected by the Employer as **Non- Responsive**.

Throughout this Bidding document, the term ‘bid’ and ‘tender’ and their derivatives (bidder/ tenderer, bid/ tender, bidding/ tendering, etc.) are synonymous.

2. Eligible Bidders

To be qualified for award of the contract, the Bidder shall provide the following evidence to the Employer of their capability and adequacy of resources to carry out the contract effectively.

- (i) The bidder should have executed project related work of similar nature. The bidder must provide proof of experience from the client.

- (ii) Should have adequate labour resources / link with manpower agencies to supply the required labourers and equipment for the work.
 - (iii) The Bidder should have **GST No., PAN No. & ESI/Workmen Compensation Policy and EPF code**. However, the Successful bidder has to furnish **GST No, PAN No. & ESI/Workmen Compensation Policy and EPF code subsequent to which payment for the work done will be released**.
 - (iv) The bidder should remit workmen compensation cess at the rate of 1% on the estimate amount as per notification under sub-section (1) of section 8-A of the Tamil Nadu Manual workers (Regulation of Employment and Conditions of Work) Act, 1982 (Tamil Nadu Act 33 of 1982) the Governor of Tamil Nadu, in suppression of the Labour and Employment Department Notification No. II (2)/LE/1420(b-1)/97, published at page 1 of part-II – Section 2 of the Tamil Nadu Government Gazette Extraordinary dated the 2nd July 1997 as contribution to the fund constituted for the benefit of the manual workers under employment in construction or maintenance of dams, bridges, roads or in any building operations under section 3 of the said Act before execution of the Agreement as per the format prescribed in appendix 3
- 2.1 Bidders shall not be under a declaration of ineligibility or blacklisted for corrupt and fraudulent practices or poor quality/ delayed implementation of any work by the Government of India (Gol), Government of Tamil Nadu (GoTN), other State Governments or any other agencies and/ or Statutory Authorities.

3 Qualification Criteria and Information

The bidder shall furnish the following details in addition to the information furnished as specified in clause 2 above to satisfy the qualification criteria.

3.1 Litigation History

- a) The bidder as on date should not have been debarred from taking up any civil construction works and shall not be under a declaration of ineligibility for corrupt and fraudulent practices by the Government of India, Government of Tamil Nadu or any other agency. The bidder should provide accurate information about any litigation or arbitration resulting from contracts completed or ongoing under its execution over the last three years. A consistent history of litigations/awards against the bidder will result in rejection of the bid. Suppression of any information or material in this regard would be construed as a fundamental breach and ITEL reserves its right to take appropriate action including cancellation of the bid, forfeiting of bid security etc., as may be deemed fit by ITEL at any time without requiring to give any notice to the applicant in this regard.
- b) Suppression of any information or material by the bidder regarding the Debarment, details of Litigation history, blacklisting of the bidder, misrepresentation or omission of any other material fact in order to influence a selection process would be construed as a fundamental breach and will lead to the disqualification of the Bidder or the termination of its Contract without any further notice.

3.2 Deleted

3.3 Experience

The bidder shall provide documentary evidence of having been actively engaged as agents of similar nature during the last five years.

4 Cost of Bid document and Bidding

- 4.1 The Bid document cost for the work is **Rs.16,800/- (Rupees Sixteen Thousand Eight Hundred Only)** as indicated in the Invitation for bids. Any bid not accompanied by the bid document duly signed in all pages and the acceptable Bid document cost shall be rejected by the Employer as a **Non-Responsive Bid**.
- 4.2 The bidder shall bear all costs associated with the preparation and submission of his Bid and the Employer will in no case be responsible and liable for such costs, regardless of the conduct or outcome of the tendering process.

5 Site Visit

The Bidder shall prior to submitting the Bid for the work, at his own responsibility and risk is encouraged to visit and examine the Site of Works and its surroundings and obtain all information that may be necessary for preparing the Bid and entering into a contract for the work. The costs of visiting the Site shall be at the Bidder's own expense.

B. BIDDING DOCUMENT

6 Content of Bidding Document

- 6.1 The Bidding Document comprises the documents listed below and should be read in conjunction with any addenda/amendment issued in accordance with Clause 9.

(a)	Section I	Instructions to Bidders
(b)	Section II	Forms of Bid & Forms of Securities
(c)	Section III	Conditions of Contract
(d)	Section IV	Contract Data
(e)	Section V	Bill of Quantities (BoQ)
(f)	Section VI	Technical Specifications

- 6.2 The Bidder is expected to examine carefully all instructions, qualification information, Conditions of Contract, Contract Data, Technical specifications, forms, BoQ in the Bid Document. Failure to comply with the requirements of Bid Document shall be at Bidder's own risk. Pursuant to Clause 25.2, bids which are not substantially responsive to the requirements of the Bid Document shall be rejected.

7. Deleted

8. Deleted

9 Amendment/Addendum of Bidding Document

- 9.1 Before the deadline for submission of bids, the Employer may modify the bidding documents by issuing addenda.
- 9.2 Any addendum thus issued shall form part of the bidding documents and shall be communicated to all the purchasers of the bidding documents and it will also be uploaded in the website. It is the bidder's responsibility (those who download from the website) to keep track of the website specified in the NIT (Notice Inviting Tender) for any addendum. The addendum of the bidding document will not be notified in the newspaper. Prospective bidders shall acknowledge receipt of each addendum by post or fax to the Employer.
- 9.3 To give the prospective bidders reasonable time to take an addendum into account in preparing their bids, the Employer may, at his discretion, extend the deadline for submission of bids, in accordance with Sub-Clause 19.2.

C. Preparation of Bids

10. Language of the Bid

- 10.1 The Bid and all correspondence and document related to the bid exchanged between the Bidder and the Employer shall be written in **English** language.

11. Documents Comprising the Bid

- 11.1 The bid shall be prepared and complete in accordance with the provisions of Bid Document and shall be submitted properly filled in, signed and initialled as appropriate.

- (i) Bidder's qualification, other information and supporting documents of Clause 4 as per formats given in Section-II of Bid Document.
- (ii) Earnest Money Deposit (EMD) as per Clause 15.1.
- (iii) Bid Document and its cost as per clause 4.
- (iv) Letter of Application and Letter of Financial Bid according to Section-II of Bid Document and
- (v) Bill of Quantities as given in Section-V of Bid Document

- 11.2 The bid must be in a bound form with pages numbered serially and by giving an index of submissions. The forms and schedules given in Section-II, and Section-V shall be filled in without exception and without any variation, both in respect of form and contents. **No bid shall be submitted un bound and in loose papers.**

- 11.3 All the addenda issued should be properly incorporated.

12. Bid Prices

- 12.1 Unless stated otherwise in the bidding documents, the contract shall be for the whole work or parts thereof as described in Sub-Clause 1, based on the quoted rates in Bill of Quantities submitted by the Bidder.

- 12.2 The bidder shall fill in rates and prices on unit basis (both in figures and words) which includes GST and all other items covered in clause 12.3 for all items of the works described in the Bill of Quantities along with total bid price (both in figures and words). Items for which no rate or price is entered by the bidder 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.

- 12.3 All duties, taxes as applicable (including GST), fees, tolls, royalties, cess and octroi, insurance, contribution to labour welfare fund, & ESI / Workmen Compensation Policy and EPF code and other levies payable by the contractor under the contract, or for any other cause shall be included in the rates, prices and total Bid Price submitted by the Bidder.

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

13. Currencies of Bid and Payment

The unit rates and the prices shall be quoted by the bidder entirely in Indian Rupees only.

All payments shall be paid in Indian Rupees only.

14. Bid Validity

- 14.1 Bids shall remain valid for a period of **90 days (Ninety days)** after the deadline date for Bid submission as specified in Clause 19. A bid valid for a shorter period shall be rejected by the Employer as **Non-Responsive**.

- 14.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request the bidders to extend the period of validity for a specified additional period. The request and the bidder's responses shall be made in writing or by cable. A bidder may refuse the request without forfeiting his bid security. A bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of his bid security for the period of the extension, and in compliance with clause 19.2 in all respects.

15 Earnest Money Deposit (EMD) / Bid Security

- 15.1 The proposals duly filled in the required format must reach the Office of **M/s. IT Expressway Ltd. (ITEL), Raja Annamalai Puram, Chennai – 600 028** on or before **15.00 hrs on 25th November, 2019** along with **EMD/ Bid security** for an amount specified in the table given below in the form of **Demand Draft** drawn in favour of **M/s. IT Expressway Ltd. (ITEL)** payable on any scheduled bank in Chennai as specified below:

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Providing Road Furniture from Akkarai to Muttukadu (i.e.) Km 22/300 to 33/000 at East Coast Road	142.64 lakhs	1,43,000/-	02 Months

- 15.2 **Any bid not accompanied by the acceptable EMD, Bid Document duly signed in all pages and its cost shall be rejected by the Employer as Non- Responsive.**

16 Alternative Proposals by Bidders

Bidders shall only submit offers that comply with the requirements of the bidding documents, including the basic technical design as indicated in the specifications.

Alternate proposals will not be considered.

17 Format and Signing of Bid

- 17.1 Only relevant supporting documents shall be submitted along with the Bid. Documents furnishing additional information other than that is required as per Bid Document, if any, shall be submitted separately under separate heading, which may not be considered for evaluation.
- 17.2 The entire Bid including covering letter, Bid Document and supporting documents shall be duly page numbered and shall contain a detailed table of contents with page references.
- 17.3 The person or persons signing the Bids shall initial all pages of the Bids.
- 17.4 The Bidder shall prepare and submit the bid comprising the Bid Document and other relevant document bound as described in Clause 11.
- 17.5 The Bid 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 Bidder. All pages of the bid where entries or amendments have been made shall be initialled by the person or persons signing the bid.
- 17.6 The Bid 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 bidder, in which case such corrections shall be initialled by the person or persons signing the bid.
- 17.7 The Bidder shall furnish information as described in the Form of Bid and Qualification on commissions or gratuities, if any, paid or to be paid to agents relating to this Bid, and to contract execution if the Bidder is awarded the contract.

- 17.8 All witnesses and sureties shall be persons of status and probity and their full names, occupation and addresses shall be printed below their dated signatures.

D. SUBMISSION OF BIDS

18. Sealing and Marking of Bids

- 18.1 (a) The Bid and other supporting documents shall be addressed to the Employer at the following address:

Chief General Manager
IT Expressway Limited,
No.171, TNMB Building, II Floor,
South Kesavaperumal Puram,
Pasumpon Muthuramalingam Road (Greenways Road),
Raja Annamalai Puram, Chennai 600 028
Phone No.: 2495 2800 / 3800, **Fax No.:** 2493 3800

and

- (b) bear the following identification:

“Providing Road Furniture from Akkarai to Muttukadu (i.e.) Km 22/300 to 33/000 at East Coast Road ”

- 18.2 If the envelopes are not sealed and marked as above, the Employer will assume no responsibility for misplacement or premature opening of the bid and the bid will be treated as a Substantially Non Responsive bid and will be subsequently rejected.

- 18.3 No Bid shall be submitted through post / courier. All the Bids must be received by the Employer at the address specified above on the deadline for submission as specified in clause 19 below, only in person and should be in the manner specified in Clause 17 and 18 above.

19. Deadline for Submission of the Bids

- 19.1 Bids must be received by the Employer at the address specified above at 15.00 Hours on 25th November, 2019. In the event of the specified date for the submission of bids declared a holiday for the Employer, the Bids will be received up to the appointed time on the next working day.

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

20. Late Submission of Bids

Any Bid received by the Employer after the deadline prescribed in Clause 19 will be returned unopened to the bidder.

21. Deleted

E. BID OPENING AND EVALUATION

22. Bid Opening

- 22.1 The Employer will open all the Bids received (except those received late), in the presence of the Bidders or their authorised representatives who choose to be present at **15:30 Hrs on 25th November, 2019** at the office of the ITEL, Raja Annamalaipuram, Chennai.

- 22.2 In the event of the specified date of Bid opening being declared a holiday, the Bids will be opened at the appointed time and location on the next working day by the employer.
- 22.3 Envelopes shall be opened and the submissions therein will be read out in appropriate detail at the time of opening of bid.
- 22.4 The Bidder's names, the Bid Prices, the total amount of each bid, any discounts and such other details as the Employer may consider appropriate, will be announced and recorded by the Employer at the time of opening.
- 22.5 No bid shall be rejected at Bid opening except for late bids pursuant to Clause 20 and conditional bids. Bids that are not opened and read out at Bid opening will not be considered for further evaluation regardless of the circumstances. Late and withdrawn bids will be returned unopened to Bidders.

23. Process to be Confidential

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

24. Clarification of Bids

- 24.1 To assist in the examination, evaluation, and comparison of Bids, the Employer may, at his discretion, ask any Bidder for clarification of his Bid, including breakdowns of the 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 Bid 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 bids in accordance with Clause 27. Provided however, the employer shall seek the rectification of price with the bidder who quoted lowest in total;
- 24.2 Subject to sub-clause 24.1, no Bidder shall contact the Employer/ its representatives on any matter relating to its bid from the time of the bid opening to the time the contract is awarded.
- 24.3 Any effort by the Bidder to influence the Employer in the Employer's bid evaluation, bid comparison or contract award decisions may result in the rejection of the Bidder's bid.

25. Preliminary Examination of Bids and Determination of Responsiveness

- 25.1 Prior to the detailed evaluation of Bids, the Employer will determine whether each Bid (a) has been properly signed; (b) is accompanied by the required securities and; (c) is substantially responsive to the requirements of the Bidding documents; and (d) provides any clarification and/ or substantiation that the Employer may require pursuant to Clause 24.
- 25.2 A substantially responsive Bid is one which conforms to all the terms, conditions, and specifications of the Bidding 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 Bidding documents, the Employer's rights or the Bidder's obligations under the Contract; (c) not confirming to the requirement at Clause 18 or (d) whose rectification would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids.
- 25.3 If a Bid is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

26. Correction of Errors

- 26.1 Bids determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer, where there is a discrepancy between the unit rates in figures and in words, the lesser of the two will prevail.
- 26.2 The amount stated in the Bid will be adjusted by the Employer in accordance with the above procedure for the correction of errors and, with the concurrence of the Bidder, shall be considered as binding upon the Bidder in accordance with Sub-Clause 17.6. If the Bidder does not accept the corrected amount the Bid will be rejected, and the Bid security may be forfeited.

27. Evaluation and Comparison of Bids

- 27.1 The Employer will evaluate and compare only the Bids determined to be substantially responsive in accordance with Clause 25.
- 27.2 In evaluating the Bids, the Employer will determine for each Bid, the evaluated Bid Price by adjusting the Bid Price as follows:
- (a) Making any correction for errors pursuant to Clause 26;
 - (b) Excluding Provisional Sums and the provision, if any, for contingencies in the Summary Bill of Quantities;
- 27.3 Towards evaluation, the employer will take into account the adjusted Bid Price for the works arrive at the lowest evaluated rate of bid.
- 27.4 The Employer reserves the right to accept or reject any variation, deviation, or alternative offer and other factors which are in excess of the requirements of the Bidding document or otherwise result in the accrual of unsolicited benefits to the Employer shall not be taken into account in Bid evaluation.
- 27.5 If the Bid of the successful Bidder is seriously unbalanced in relation to or substantially below the Employer's estimate of the cost of work to be performed under the contract, the Employer may require the Bidder to produce detailed price analysis 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 analysis, the Employer may require that the amount of the performance security set forth in Clause 31 be increased at the expense of the successful Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract.

F. AWARD OF CONTRACT**28. Award Criteria**

28.1, 28.2 Deleted

- 28.3 Subject to Clause 27, the Employer will award the Contract to the Bidder whose Bid has been determined to be substantially responsive to the Bidding documents and whose bids are evaluated to be the lowest. The lowest (L1) bidder will be called for negotiation on the quoted rates. If the lowest bidder is not responding for further negotiations, the Employer reserves the right to negotiate with any of the eligible bidders who is willing to take up the work at the L1 price and to offer a further negotiated, reasonable rate.

Awarding the work to bidders or summarily reject all the proposals shall be the sole discretion of ITEL, based on the capability of the Bidders.

Employer reserves the right to appoint other contractor/contractors for "Providing Road Furniture from Akkarai to Muttukadu (i.e.) Km 22/300 to 33/000 at East Coast Road " or part of this work / contract and any other works that the Employer may decide.

29. Employer's Right to Accept any Bid and to Reject any or all Bids

- 29.1 Notwithstanding Clause 28, the Employer reserves the right to accept or reject any Bid, and to annul the Bidding process and reject all Bids, at any time prior to the award of Contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for the Employer's action.

30. Notification of Award

- 30.1 The Bidder whose Bid has been accepted will be notified of the award by the Employer prior to expiration of the Bid validity period by email or facsimile confirmed by registered letter. This letter (hereinafter and in the *Conditions of Contract* called the "Letter of Award/ Work Order") 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").

31. Performance Security

- 31.1 Within 7 days of receipt of the Letter of Award, the successful Bidder shall deliver to the Employer ,

a. Performance Security in the form of a Demand Draft in favour of **M/s. IT Expressway Ltd.**, payable at Chennai (or) in the form of a Bank Guarantee from Nationalised Bank/ Scheduled Bank acceptable to the Employer in the form as given in Section 2 for an amount equivalent to **2%** of the contract price in accordance with Clause 48 of Conditions of Contract. If the Performance Security is in the form of Bank Guarantee the same shall be valid for a period of **20 Months** from the date of Bank Guarantee or **03 Months** beyond the defect liability period whichever is later.

- 31.2 Failure of the successful bidder to comply with the requirements of Clause 31.1 shall constitute a breach of contract, cause for annulment of the award, forfeiture of the bid security, and any such other remedy the Employer may take under the contract.

31.3 Retention Money

In each, Interim Payment Certificate (IPC) @ **5%** of value of work executed during each bill will be withheld and the withheld amount will be refunded to the Contractor along with the Final Bill /Taking over certificate. The maximum amount of Retention money to be with held is restricted up to **5%** of the contract value.

32. Signing of Agreement

- 32.1 At the same time, the employer notifies to the successful Bidder that his Bid has been accepted, and the Employer will direct him to attend the Employer's office on a date determined by the Employer for signing the Contract Agreement as per the format provided in the Bidding Document incorporating all the agreements between the parties. The signing of the Contract Agreement shall take place only after the furnishing of the requisite performance security by the selected Bidder as per Clause 31.1.
- 32.2 The Agreement will incorporate all agreements / correspondences between the Employer and the successful Bidder. It will be kept ready for signature of the successful bidder in the office of employer within 15 days following the acceptance of the Letter of Award by the successful bidder; the successful Bidder will sign the Agreement upon furnishing of the requisite performance security and deliver it to the Employer.
- 32.3 Upon furnishing of the Performance Security and signing of the Contract Agreement by the successful Bidder, the Employer will promptly notify the other Bidders that their Bids have been unsuccessful and refund the Bid Security of all the bidders.

33. Corrupt or Fraudulent Practices

33.1 The Employer requires that all the Bidders should observe the highest standard of ethics during the procurement and execution of this Contract. In pursuance of this policy, the Employer:

- (a) Defines, for the purposes of this provision, the terms set forth as follows :
 - i. "Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of Employer/ its representatives in the procurement process or in contract execution; and
 - ii. "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 Employer, and includes collusive practice among Bidders (prior to or after Bid submission) designed to establish Bid prices at artificial non-competitive levels and deprive the Employer of the benefits of free and open completion;
- (b) will reject a proposal for award if he determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the Contract in question;
- (c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded any contract in **ITEL**, if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing this Contract.

34. Termination:-

In case the Contractor fails to carryout the works, as per the construction programme and as per the conditions stipulated in the Bid Document , then the Employer, at its sole discretion is entitled to terminate this contract at the '**Risk and Cost**' of the Contractor and to employ such other Contractor/s to carryout the balance works. The additional cost incurred by the employer in completing the works, which remain unfinished at the time of termination of the contract will be recovered from the Contractor. Any unrecovered 'Risk and Cost' amount will be a debt payable to the Employer and the Employer will take suitable actions for such unrecovered 'Risk and Cost' amount at the cost of the Contractor. Any bill/s for the works executed remains unsettled and/or the value of materials, machineries etc., taken over or possessed by the Employer at the time of termination or on termination will be adjusted towards the 'Risk and Cost' recoverable from the contractor.

Section II

Forms of Bid &

Forms of Securities

SECTION II
FORMS OF BID & FORMS OF SECURITIES

1. LETTER OF APPLICATION

(Letterhead paper of the Bidder)

[Including full postal address, telephone, fax, cable and telex addresses]

[Date]

To:

Chief General Manager

IT Expressway Ltd, (ITEL)

No.171, TNMB Building, II Floor,

South Kesavaperumal Puram,

Pasumpon Muthuramalingam Road

(Near Greenways Road MRTS Station),

Raja Annamalai Puram, Chennai 600 028

Phone No.: 2495 2800 / 3800, Fax No.: 2493 3800

Sir,

1. Being duly authorised to represent and act on behalf of ----- (hereinafter "The Bidder"), and having reviewed and fully understood all the bid information provided, the undersigned hereby apply to be qualified by your agency as a bidder for the contract **"Providing Road Furniture from Akkarai to Muttukadu (i.e.) Km 22/300 to 33/000 at East Coast Road"**

2. ITEL and its associates/ representatives are hereby authorized to conduct any inquiries or investigations to verify the statements, documents and information submitted in connection with this application, and to seek clarification from our bankers and clients regarding any financial and technical aspects. This Letter of Application will also serve as authorization to any individual or authorised representative of any institution, to provide such information deemed necessary to verify statements and information provided in this application or with regard to the resources, experience and competence of the Bidder.

3. This application is made in the full understanding that:
 - (a) ITEL reserves the right, to reject or accept any application, cancel the bidding process and reject all applications; and
 - (b) ITEL shall not be liable for any such actions and shall be under no obligation to inform the Bidder of the grounds for them.

4. The undersigned declared that the statements made and the information provided in the duly completed application are complete, true and correct in every detail.

Authorised Signatory

Name and Title of Signatory

2. LETTER OF FINANCIAL BID

(Letterhead of the Bidder)

[Date]

Chief General Manager

IT Expressway Ltd, (ITEL)
No.171, TNMB Building, II Floor,
South Kesavaperumal Puram,
Pasumpon Muthuramalingam Road,
(Near Greenways Road MRTS Station)
Raja Annamalai Puram, Chennai 600 028
Phone No.: 2495 2800 / 3800, Fax No.: 2493 3800

Dear Sir,

Sub: “Providing Road Furniture from Akkarai to Muttukadu (i.e.) Km 22/300 to 33/000 at East Coast Road” – Letter of Financial Bid - Reg.

Having examined the Bid Document including Notice Inviting Bids, Instructions to Bidders, forms, General Conditions of Contract, Special Conditions of Contract, Technical Specifications, Bill of Quantities, Schedules, Annexure and Addenda for the execution of the above named works, we, the undersigned, offer to execute and complete such works and remedy any defects therein in conformity with the said Bid Document at the prices indicated in the enclosed BoQ.

The Payment for:

The subject work for the sum of **INR _____ (Indian Rupees in words)**

inclusive of GST and all other applicable taxes in accordance with the said Bid Document.

We undertake, if our Bid is accepted, to commence the works within seven (7) days of receipt of the Engineer's order to commence, and to complete and deliver the sections and whole of the works comprised in the Contract within the period stated in the Appendix to Bid/ Contract data hereto.

We agree to abide by this Bid for the period of 90 days (Ninety days) from the date of Bid opening, as prescribed in Clause 14.1 of the Instructions to Bidders (Section-I), and it shall remain binding upon us and may be accepted at any time before the expiry of that period.

We confirm our agreement to treat the Bid Document and other records connected with the works as secret and confidential document and shall not communicate information contained therein to any other person other than the person authorized by Employer or use such information in any manner prejudicial to the safety and integrity of the works.

We undertake that, in completing for and, if the award is made to us, in executing the above Contract, we will observe the laws against fraud and corruption in force in India namely “Prevention of Corruption Act 1988”.

We confirm that our firm has valid GST/PAN registrations along with ESI / Workmen Compensation Policy and EPF codes as stipulated under Appendix 2 and 3 of GCC.

We hereby confirm that this Bid complies with the Eligibility, Bid validity and Bid security required as stated in the Bidding documents.

Yours faithfully,

Authorised Signatory
Name and Title of Signatory:
Name of Bidder with official seal:
Address:

3. Confirmation Letter

(Letterhead paper of the Contractor)

To
[Name and address of the Employer)

Dear Sir,

Sub: "Providing Road Furniture from Akkarai to Muttukadu (i.e.) Km 22/300 to 33/000 at East Coast Road" – Reg.

We acknowledge the receipt of your Letter of Award, Ref No. _____ dated _____ and unconditionally accept the offer to take up above captioned works at the price indicated in the Letter of Award.

We also confirm our acceptance to all the corrections and modifications made by the Employer in respect of our bid.

We undertake to provide you unconditional Bank Guarantee towards Performance Security and additional security for unbalanced bid as per the agreed format within the prescribed date as per the Instructions to Bidder and Conditions of Contract of the Bid Document.

Yours faithfully,

Authorized Signatory:
Name and Title of Signatory:
Name of Agency:

4. BANK GUARANTEE FOR PERFORMANCE SECURITY

BG No dated20_____

To
IT Expressway Ltd.,
No.171, TNMB Building, II Floor,
South Kesavaperumal Puram,
Pasumpon Muthuramalingam Road
(Near Greenways Road MRTS Station),
Raja Annamalai Puram, Chennai 600 028
Phone No.: 2495 2800 / 3800, Fax No.: 2493 3800

Bank Guarantee No.datedfor **Rs./- (Rupees
.....only)**

WHEREAS vide the Letter of Award / Work Order No..... dated for
“**Providing Road Furniture from Akkarai to Muttukadu (i.e.) Km 22/300 to 33/000 at East
Coast Road**” (hereinafter referred to as “the **Contract**”)
M/s....., a Company incorporated under the Companies Act,
1956, having its Registered Office
at.....(address)
(hereinafter referred to as “the **Contractor**” which expression shall unless repugnant to or
inconsistent with the context mean and include its successors and assigns) has been awarded by
M/s IT Expressway Ltd., a company incorporated under the Companies Act, 1956, having its
registered office at No.171, TNMB Building, II Floor, South Kesavaperumal Puram, Pasumpon
Muthuramalingam Road (Greenways Road), Raja Annamalai
Puram, Chennai 600 028 (hereinafter referred to as “the **Employer**” which expression shall unless
repugnant to or inconsistent with the context mean include its successors and assigns), the
contract for “**Providing Road Furniture from Akkarai to Muttukadu (i.e.) Km 22/300 to 33/000
at East Coast Road**”

AND WHEREAS it has been stipulated by you in the said contract that the Contractor shall furnish
you a Performance Guarantee, within 7 days on receipt of the Letter of Award/ work order by a
specified Scheduled / Nationalised Bank, for the sum specified therein as security for compliance
with the contractor’s obligations in accordance with the Contract and against any breach or non-
performance of the terms and conditions contained in the contract.

AND WHEREAS we**BANK**, having its Head Office atand amongst
others, a branch office situated at....., have agreed to furnish a Performance Guarantee for
a sum of **Rs. -----/- (Rupees -----
----Only)** (hereinafter referred as the Guaranteed amount) as security for compliance of the
contractor’s obligations under the contract.

NOW THEREFORE we hereby affirm that we as the Guarantor are responsible to you on behalf of
the Contractor, for the guaranteed amount and we irrevocably undertake to pay you upon your first
written demand and without demur or argument, any sum or sums

within the limits of the guaranteed amount as aforesaid without your needing to prove or to show
grounds or reasons for your demand for the sum specified herein. The guaranteed amount shall be
payable merely on demand by the Employer. Any letter stating that the amount claimed in the
demand notice/letter is due and payable, signed by a duly authorized official of the Employer to this
effect, shall be final, binding or conclusive upon us.

We, hereby agree to pay on demand the guaranteed amount without demur by crediting to the
Bank Account of the Employer, the details of which are to be informed to us by you during the
validity of the guarantee.

Our liability under this Guarantee shall not be affected by any change in the constitution of the
Contractor or of the Guarantor.

We hereby undertake that this Guarantee is absolute, irrevocable and unconditional and shall be enforceable against us notwithstanding any security or securities comprised in any instrument executed or to be executed by the contractor in favour of the Employer.

We hereby also agree that this guarantee shall not be wholly or partially satisfied or exhausted by any payments made to or settled with the Employer by the Contractor and shall be valid and binding on us and operative until the expiry of this Guarantee.

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.

The jurisdiction in relation to this Guarantee shall be Courts at Chennai and Laws of India shall be applicable. This guarantee shall be valid up to -----20__ (hereinafter referred to us as the “**Expiry Date**”) which is a period of **18 Months** from the date of Bank Guarantee or **03 Months** beyond the defect liability period whichever is later.

Notwithstanding anything contained herein.

- i) Our liability under this Guarantee shall not exceed the guaranteed amount
Rs _____/- (Rupees _____ Only)

This Bank Guarantee shall be valid up to -----20__ (Expiry date) and

- ii) We shall be liable to pay the guaranteed amount under this guarantee only and if we receive a written claim or demand duly signed by a duly Authorised official of the Employer before the -----20__ (Expiry date) as mentioned above.

IN WITNESS WHEREOF we have executed this guarantee on this20__.

Signature of Authorised Representative of the Bank

Name and Designation

Seal of the Bank

Signature of Witness

Name of Witness

Section III

Conditions of Contract

Section III: CONDITIONS OF CONTRACT

A. GENERAL

1. Definitions

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

Activity Schedules means the priced and completed Activity Schedules forming part of the Bid.

Bill of Quantities (BOQ) means the completed Bill of Quantities attached in Appendix and forming part of this Contract.

Compensation Events are those defined in Clause 41 hereunder.

Confirmation Letter is the letter of the Contractor dated accepting the letter of Award/ Work Order issued by the Employer.

The **Contract Completion Date** is the date of completion of Contractor's Obligations under this Contract as certified by the Engineer in accordance with Clause 50.2.

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 2.3 below.

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

The **Contractor** is a person or firm or corporate body that's Bid to carry out the Works has been accepted by the Employer.

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

The **Contract Price** is the price stated in the Letter of Award / Work Order 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 12 Months period named in the Contract Data and calculated from the date of issue of completion certificate for the works completion date.

The **Employer** is the party who will employ the Contractor to carry out the Works and in this case the employer is ITEL, Raja Annamalai Puram, Chennai – 600 028.

The **Engineer** is the person named in the Contract Data (or any other competent Person appointed and notified to the Contractor by the Employer to act in replacement of the Engineer) who is responsible for supervising the execution of the works and administering the Contract and in this case it is IT Expressway Ltd. (ITEL), Raja Annamalai Puram, Chennai – 600 028.

"Engineer Representative" means a person appointed from time to time by the Engineer under Sub-clause 5.1.

Equipment is the Contractor's plant / machineries and vehicles brought temporarily to the site to construct the works.

Works means “**Providing Road Furniture from Akkarai to Muttukadu (i.e.) Km 22/300 to 33/000 at East Coast Road**”

The **Contract price** is the Works Contract price in the Employer's Letter of Award/Work Order.

The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Construction Works or Improvement Works or both, as the case may be. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Engineer by issuing an extension of time, in writing.

Letter of Award / Work Order is the letter issued by the Employer to the Contractor containing the Contract Price and other details.

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

Milestone is a specified date or duration by which specified works are to be completed.

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

Project Facility means the stretch of the Road as mentioned in Contract Data, all appurtenances thereto, including road furniture, Sign boards and other road components and all access roads upto 50 m from the edge of the road.

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 approved by the Engineer in writing.

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

A **Variation** is an instruction given by the Engineer/ Employer in writing which varies the Works.

The **Works** are what the Contract requires the Contractor to carry out as part of this Contract and shall refer to Improvement Works or Maintenance Works or any combination thereof.

The **Works Completion Date** is the actual date of completion of the Works as certified by the Engineer in accordance with Clause 50.1

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. Heading have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Engineer will provide instructions clarifying queries about the Conditions of Contract.
- 2.2 If sectional completion is specified in the Contract data, reference in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date apply to any Section of the works (other than references to the Completion Date and Intended Completion date for the whole of the Works).
- 2.3 The documents forming the Contract shall be interpreted in the following order of priority:
 - a. Conditions of Contract
 - b. Instruction to Bidders

- c. Contract Data
- d. Letter of Financial Bid, Negotiation letter
- e. Negotiated Bill of Quantities
- f. Letter Of Award/Work Order
- g. Confirmation Letter
- h. Drawings
- i. Specifications
- j. Any other document listed in the Contract Data/ Bid Document as forming part of the contract

3. Language and Law

- 3.1 The language of the Contract and the law governing the Contract are stated in the Contract Data.

4. Engineer's Decisions

- 4.1 Except where otherwise specifically stated, the Engineer will decide contractual matters between the Employer and the Contractor in his role representing the Employer.

5. Delegation

- 5.1 The Engineer may delegate any of his duties and responsibilities to other person/organization after notifying the Contractor.

6. Communications

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

7. Sub- Contracting

- 7.1 The contractor shall not, with out the prior consent of the Employer assign the contract or any part thereof or any benefit or interest therein or there under.

The contractor shall not sub contract the works. Except where otherwise provided by the contract, the contractor shall not sub contract any part of the works, with out the prior consent of the Employer. Any such consent shall not relieve the contractor from any liability or obligation under the contract and he shall be responsible for the acts, defaults and neglects of any Sub Contractor, his agents, servants or workmen as fully as if they were the acts, defaults or neglects of the contractor, his agents, servants or workmen.

Provided that the contractor shall not be required to obtain such consent from the employer for:

- a. The provision of labour and
- b. The purchase of materials which are in accordance with the Specifications and quality standards specified in the Contract.

8. Other Contractors

8.1 The Contractor shall cooperate and share with the other contractors, public authorities, utilities, and the Employer and his representative between the dates given in the Schedule of the other contractors. The Contractor shall also provide facilities and services to them as may be necessary for smooth coordination. The Employer may modify the schedule of other contractors and shall notify the Contractor of any such modification.

8.2 Pursuant to the above, the Contractor hereby agrees and acknowledges that the Employer is well within their right to appoint other contractor for “**Providing Road Furniture from Akkarai to Muttukadu (i.e.) Km 22/300 to 33/000 at East Coast Road**” a part of this work / contract and any other works that the Employer may decide. The Contractor acknowledges that the Employer has no liability whatsoever towards the Contractor in this regard and that the Contractor will, unconditionally and without any financial charge, extend all necessary assistance and cooperation to the Employer and other Contractor(s), so as to ensure that the Works are completed in terms of the Milestones stipulated in the Contract Data.

8.3 Any default in the above regard shall be treated as a fundamental breach of the contract in terms of Clause 54.2

9. Personnel

9.1 The Contractor shall employ required personnel to carry out the functions stated in the approved program in terms of Clause 25. The contractor shall ensure that atleast 20% of the Skilled/unskilled labour employed are trained/certified labourers.

9.2 If the Engineer asks the Contractor to remove a person who is a member of the Contractor's staff or his work force stating 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.

9.3 Labour Statutory Requirement

The Contractor shall confirm to and comply with the regulations and By-Laws of the State or Central Government and other statutory Body the provisions contained in the various Acts specified in Appendix 2 of this section

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 expected risks which are in so far as they directly affect the execution of the Works in the Employer's country, the risks of war, hostilities, invasion, and act of foreign enemies, rebellion, and revolution. Insurrection or military or usurped power, civil war, (unless restricted to the Contractor's employees), and contamination from any nuclear fuel or nuclear waste or radioactive toxic explosive.

12. Contractor's Risks

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

13. Insurance

13.1 The Contractor shall provide, in the joint names of the Employer and the Contractor, insurance cover from the start Date to the end of the Defects liability period, in the Amounts and deductibles stated in the Contract Data for the following events:

- a. loss of or damage to Works, Plant and Materials;
- b. loss of or damage to Equipment;
- c. loss of or damage of property (except the Works, Plant, Materials and Equipment) in connection with the Contract;
- d. personal injury or death of employer/employee personal and third party persons;

However, it is for the contractor to decide whether the minimum amount specified in the Contract data is sufficient, and if he considers it necessary, to insure for a greater amount. The policy should cover an unlimited number of claims.

- 13.2 Policies and certificates for insurance shall be delivered by the Contractor to the Engineer for the Engineer's approval before the start Date. All such insurance shall provide for compensation to be payable in the type and proportions of currencies required to rectify the loss or damage incurred. The contractor shall be responsible for effecting change to the policies and certificates as may be directed by the Engineer, within time period indicated by the Engineer.
- 13.3 If the Contractor does not provide the policies and certificates as required, the Employer may effect the insurance which the Contractor should have provided and recover the premiums the Employer has paid, from payments otherwise due to the Contractor or, if no payment is due, the payment of the premiums shall be a debt due and if warranted, recovered by invoking Performance Security.
- 13.4 Alterations to the terms of insurance shall not be made without the approval of the Engineer.
- 13.5 Both parties shall comply with any conditions of the insurance policies.
- 13.6 The Contractor shall be entitled to place all insurance relating to the Contract with insurers from India, which have been determined to be acceptable to the Employer.
- 13.7 The contractor should take risk insurance at their cost against lose due to unprecedented flood and other Acts of God (G.O. Ms. No.620/ Transport Department, Dt. 22.07.78).

14. Queries about the Contract Data

- 14.1 The Engineer will clarify queries on the Contract Data.

15. Contractor to undertake the Works

- 15.1 The Contractor shall undertake the Works in accordance with the Specifications, Conditions of Contract, etc and as per the instructions of the Engineer.

16 The Construction/Improvement Works to be Completed by the Intended Completion Date

- 16.1 The contractor shall commence execution of the works on the start date and shall carry out the works in accordance with the program submitted by the contractor, with the approval of the Engineer and complete them in all respects by the intended completion date.

- 16.2 Deleted

17. Approval by the Engineer

- 17.1 Deleted
- 17.2 The Contractor shall be responsible for design of Temporary Works.
- 17.3 The Engineer's approval shall not alter the Contractor's responsibility for the quality, and design of the Temporary Works, who shall bear all consequences of failures thereof.
- 17.4 The Contractor shall obtain approval of other parties/ agencies to the design of the Temporary work where required.

17.5 Deleted

18. Safety

18.1 The contractor shall be responsible for the safety of all activities on the Site. The proposed work site falls in High speed road Corridor. In addition to the safety of workmen in the project, the Contractor is responsible for the safety of the road users. The Contractor shall at his own cost formulate and implement an efficient traffic movement / regulation plan so as to achieve safe and efficient movement of vehicular traffic and pedestrians.

18.2 The contractor shall make necessary safety arrangements and equipments specified in Appendix 1 of this section.

18.3 Any damage caused to the existing structure, the road surface and other appurtenances shall be remedied/restored/replaced to the original condition at the cost of the Contractor and to the satisfaction of the Employer.

In case of default by the contractor, the Employer has the option to carry out the required remedial/restoration/replacement works and deduct the expenditure incurred from the payments due to the Contractor.

18.4 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.

18.5 During continuance of the contract, the Contractor shall abide at all times by all existing enactments on environments on environmental protection and rules, labour laws made there under, regulations, notifications and bye-laws of the State or Central Government, or local bodies/authorities and any other law, bye-law, regulations that may be passes or notification that may be issued in this respect in future by the State or Central Government or the local authority.

Salient features of some of the major laws that are applicable are given below:

The Water (Prevention and Control of Pollution) Act, 1974, provides for the prevention and control of water pollution and the maintaining and restoring of wholesomeness of water.

'Pollution' means such contamination of water or such alteration of the physical, chemical or biological properties of water or such discharge of any sewage or trade effluent or of any other liquid, gaseous or solid substance into water (whether directly or indirectly) as may, or is likely to, create a nuisance or render such water harmful or injurious to public health or safety, or to domestic, commercial, industrial, agricultural or other legitimate uses, or to the life and health of animals or plants or of aquatic organisms.

The Air (Prevention and Control of Pollution) Act, 1981, provides for prevention, control and abatement of air pollution. 'Air Pollution' means the presence in the atmosphere of any 'air pollutant', which means any solid, liquid or gaseous substance (including noise) present in the atmosphere in such concentration as may be or tend to be injurious to human beings or other living creatures or plants or property or environment.

The Environment (Protection) Act, 1986, provides for the protection and improvement of environment and for matters connected therewith, and the prevention of hazards to human beings, other living creatures, plants and property. 'Environment' includes water, air and land and the inter-relationship which exists among and between water, air and land, and human beings, other living creatures, plants, micro-organism and property.

The Public Liability Insurance Act, 1991, provides for public liability insurance for the purpose of providing immediate relief to the persons affected by accident occurring while handling hazardous substances and for matters connected herewith or incidental thereto. Hazardous substance means any substance or preparation which is defined as hazardous substance

under the Environment (Protection) Act 1986, and exceeding such quantity as may be specified by notification by the Central Government.

19. Discoveries

- 19.1 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 Engineer/ Employer of such discoveries and carry out the Engineer's instructions for dealing with them.

20. Possession of the Site

- 20.1 The Employer shall give possession of the site to the Contractor in accordance with the Contract Data. If possession of a part is not given by the agreed date stated in the Contract Data, then the Intended Completion Date shall be postponed by the Employer as may be required for that particular part/ stretch. However, this will not be applicable if sufficient work site is made available to the Contractor as and when required for him to proceed ahead with the progress of work and if available work fronts remain unattended.
- 20.2 The Contractor will co-ordinate with service provider / concerned authorities for shifting of utilities and removal of encroachments etc. and making the site unencumbered from the project construction area required for completion of work. This includes getting estimates, initial and frequent follow-up with concern authorities. However, the cost of shifting shall be borne by the employer. The contractor will not be entitled for any additional compensation for delay in shifting of utilities and removal of encroachments by the service provider/ local bodies/concern authorities.

21. Access to the Site

- 21.1 The Contractor shall allow the Engineer and any person authorized by the Engineer 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 / tested/ stored for the works.

22. Instructions

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

23. Disputes

- 23.1 If either party believes that a decision taken by the Employer was either outside the authority given to the Employer by the contract or that the decision was wrongly taken, the objecting party may file written notice of dispute to the other party with a copy to the Engineer stating that it is giving the notice pursuant to this Clause while stating clearly the basis for the dispute.
- 23.2 The party receiving the dispute notice will consider it and reply in writing within 30 days of the receipt of the notice. If no reply is received or the reply is not acceptable to the other party, the affected party may refer only to the High Court of Madras (Chennai) for adjudication.
- 23.3 Further, in case of any dispute or difference between the parties to the contract either during the progress of the works or after the completion of the works or after the determination / abandonment of the contract or any other matter/s arising thereof shall be referred to or filed with the High Court of Madras (Chennai) within a period of 18 Months. No other courts, persons, or bodies will have any jurisdiction over the dispute/s beyond such date.

24. Deleted

B. Time Control

25. Deleted

26. Extension of the Intended Completion Date for Construction/Improvement Works

26.1 The Engineer shall extend in consultation with Employer 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 without the Contractor taking steps to accelerate the remaining work and which would cause the Contractor to incur additional cost.

26.2 The Engineer shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Engineer for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information. If the Contractor has failed to give early warning of a delay or has failed to cooperate in dealing with a delay, the delay by this failure shall not be considered in assessing the new Intended Completion Date.

27. Delays Ordered by the Engineer

27.1 The Engineer in consultation with the Employer may instruct the Contractor to delay the start or progress of any activity within the Works.

28. Deleted

29. Early Warning

29.1 The Contractor is to warn the Engineer at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of the work, increase the Contract Price or delay the execution of works. The Engineer may require the Contractor to provide an estimate of the expected effect of the future event or circumstance on the Contract Price and Completion Date. The estimate is to be provided by the Contractor as soon as reasonably possible.

29.2 The Contractor shall cooperate with the Engineer in making and considering proposals for how the effect of such an event or circumstance can be avoided or reduced by any one involved in the work and in carrying out any resulting instructions of the Engineer.

C. Quality Control

30. Identifying Defects

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

30.2 The contractor shall permit the Employer's Technical auditor to check the contractor's work and notify the Engineer and Contractor of any defects that are found. Such a check shall not affect the Contractor's or the Engineer's responsibility as defined in the Work Order / Agreement.

31. Deleted

32. Correction of Defects

- 32.1 The Engineer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.
- 32.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defects within the length of time specified by the Engineer's notice.

33. Uncorrected Defects

- 33.1 If the Contractor has not corrected a Defect within the time specified in the Engineer's notice, the Engineer will assess the cost of having the Defect corrected and rectify the defects if needed by employing other persons and the Contractor will have to pay this amount or will be recovered from the bills of the contractor as 'Risk & Cost'.

D. Cost Control

34. Bill of Quantities (BOQ)

- 34.1 The Bill of Quantities for works contains items for the Works being implemented by the Contractor as in Section – V.
- 34.2 The Bill of Quantities (BoQ) is used to calculate the payment for works. The Contractor will be paid for the quantity of the work done at the rate in the Bill of Quantities for each item of work.
- 34.3 Bill of Quantities for the work should also be submitted along with the bid in the cover.

35 Changes in the Quantities

- 35.1 Any additional quantity required for completing the work will have to be carried out by the Contractor at the same quoted rate. There will be no percentage ceiling either addition or reduction in the quantities for completion of the project.
- 35.2 Provided further that no change in the rate or price for any item contained in the Contract shall be considered unless such item accounts for an amount more than **2%** of the Contract Price, and the actual quantity of work executed under the item exceeds or falls short of the quantity set out in the Bill of Quantities by more than **25%**

36. Variations during Implementation of Works

- 36.1 Approval and methodology for all variations either Rate or Quantity should be followed as per the directions of the Engineer / Engineer's representative.

37. Payments for Variations in Works

- 37.1 The Contractor shall provide the Engineer with an estimate and quotation (with break up of unit rates) along with detailed justification and vouchers for carrying out the Variation items, **if not available in the BOQ** and when requested to do so by the Engineer. The Engineer shall assess the quotation, within a period of 7 (seven) days of the request (or) within a reasonable time by the Engineer, and before the variation is ordered.
- 37.2 If the work in the Variation corresponds with an item description in the Bill of Quantities and if, in the opinion of the Engineer, the quantity of work above the limit stated in Clause 35 or the timing of its execution do not cause the cost per unit of quantity to change, the rate in the Bill of Quantities shall be used to calculate the value of the Variation. If the cost per unit of quantity changes, or if the nature or timing of the work in the Variation does not correspond with items in the Bill of Quantities, the quotation by the Contractor shall be in the form of new rates for the relevant items of work as per the MORTH Data book and standard procedures."

- (a) The Contractor shall submit a detailed rate analysis with all supporting documents. Such analysis shall be prepared based on similar items available in Bill of Quantities, subject to Mutual Agreement between the Engineer and the Contractor and according to the Standard MORTH Data Book adopting the Schedule of Rates for the current year applicable to the Chennai region of Tamil Nadu.
- (b) In case, the data for the item is not available in the Standard MORTH Data Book, observed data with current Schedule of Rates applicable to Chennai region of Tamil Nadu shall be adopted.

With the concurrence of the Employer, the Engineer shall determine the quantities and rates for the variation works. Prior approval should be obtained for all the variation items from the employer.

- 37.3 If the Contractor's quotation is unreasonable (or if the contractor fails to provide the Engineer with a quotation within a reasonable time specified by the Engineer in accordance with Clause 37.1), the Engineer shall fix the variation rate and make a change to the Contract Price which shall be based on Engineer's own forecast of the effects of the Variation on the Contractor's costs.
- 37.4 If the Engineer decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, the Engineer shall instruct in writing, to commence the additional works before the approval of the rate.
- 37.5 The Contractor shall not be entitled to additional payment for costs that could have been avoided by giving early warning.

38. Deleted

39. Payment

- 39.1 The Contractor shall submit a statement in 3 (three) copies to the Engineer by the 7th (seventh) day of the month, signed by the authorized representative of the Contractor, for the work executed up to the end of the previous month in a tabulated form approved by the Engineer, showing the amounts to which the Contractor considers himself to be entitled. The statement shall include the following items, as applicable, which shall be taken into account in the sequence listed:
 - (a) the estimated value of work executed (Works executed & payable) up to the end of the month in question determined in accordance with conditions of contract, at base unit rates and prices;
 - (b) The actual value certified for payment for the Temporary and Permanent Works executed up to the end of the previous month, at base unit rates and prices;
 - (c) the estimated value at base unit rates and prices of the Temporary and Permanent Works for the month in question, obtained by deducting (b) from (a);
 - (d) The value of any variations executed up to the end of the month in question, less the amount certified in the previous Interim Payment Certificate.
 - (e) Amount to be deducted for all taxes in accordance with contract conditions.
 - (f) Net amount of application, which will be expressed in Indian Rupees.
 - (g) The details of RFI, joint measurement sheets, level sheets, test results to be enclosed along with the bill.

Notwithstanding the terms of this Sub-Clause or any other Clause of the Contract, no amount will be certified by the Engineer for payment until the Performance Security has been provided by the Contractor and approved by the Employer.

39.2 Monthly Payments

Within 7 (seven) days of receipt of the monthly statement from the Contractor in pursuant to above, the Engineer to account for liquidated damages and other deductions, while arriving at amount payable to contractor; if not satisfied with works, Engineer to inform Employer and instruct Contractor to complete the works within a stipulated time and carry forward this balance amount;

The Engineer if satisfied, shall recommend to the Employer for release to the Contractor against the monthly statement.

In cases where there is a difference of opinion as to the value of any item, the Engineer's view shall prevail.

Engineer shall determine the amount due to the Contractor and shall deliver to the Employer and the Contractor, an Interim Payment Certificate, certifying the amounts due to the Contractor after adjusting the payment already released to the Contractor against the said statement.

Employer will make payment within 15 (Fifteen) days of receipt of payment recommendation from Engineer; and

Notwithstanding anything contained herein above, the final payment due shall be made only upon completion of Improvement works, and suitable certification by the Engineer.

39.3 Retention Money

In each Interim Payment Certificate (IPC) @ **5%** of value of work executed during each bill will be withheld and the withheld amount will be refunded to the contractor along with the Final bill / Taking over certificate. The maximum amount of Retention money to be with held is restricted up to **5%** of the contract value.

40 Delayed and Disputed Payments

40.1 The Employer shall pay the Contractor, the amounts certified by the Engineer within the periods stipulated in this Contract. If the Employer makes a late payment, the contractor shall be paid interest on the late payment along with the next payment. Interest shall be calculated from the date by which the payment should have been made upto the date when the payment is made at the rate of 8% p.a.

40.2 If an amount certified is increased either in a later certificate or as a result of any judgement, the contractor shall be paid interest upon the delayed payment as set out in this clause. Interest as referred above, shall be calculated from the date upon which the increased amount would have been accepted by the Employer in the absence of dispute.

41 Compensation Events

41.1 The following are compensation events unless they are caused by the Contractor;

- (a) The Engineer orders a delay in execution of works for a period of more than 60 days;
- (b) The effect on the Contractor of any of the Employer's Risks; and
- (c) Other Compensation Events listed in the contract data, if any.

41.2 If a Compensation Event would prevent the Works from being carried out in terms of the Contract, then the Employer shall extend the Intended Completion Date as may be warranted. The Engineer shall decide by how much the Intended Completion Date shall be extended.

- 41.3 As soon as information demonstrating the effect of each Compensation Event has been provided by the Contractor, it is to be assessed by the Engineer and the Intended Completion period shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Engineer shall adjust the Intended Completion Period on Engineer's own forecast. The Engineer will assume that the Contractor will react competently and promptly to the event.
- 41.4 The Contract shall 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 Engineer / Employer.

42. Tax

- 42.1 The rates quoted by the Contractor shall be deemed to be inclusive of the GST, sales tax, contract tax, royalty, Toll tax, cess and other taxes/duties/levies as may be levied by Central / State Governments and local bodies 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.
- 42.2 The contractor shall have valid Registration for GST and PAN as prescribed in Appendix 3

43. Currency

- 43.1 All payments shall be made in **Indian Rupees only**.

44. Price Adjustment for Works

No Price adjustment shall apply to this work/contract.

45. Penalty and Liquidated Damages

45.1 For Construction/ Improvement Works

- (a) In case of non-completion of the works within the Intended Completion Date as indicated in the Contract Data the Contractor shall pay liquidated damages to the Employer at the rate stated in the Contract Data for each day that the actual Completion Date is later than the Intended Completion Date. The liquidated damages amount shall be deducted from payments due to the Contractor and shall not be refundable. The total amount of liquidated damages shall not exceed the amount defined in the Contract Data.
- (b) Time is the essence of the Contract and payment or deduction of penalty or liquidated damages shall not relieve the Contractor from his obligation to complete the works as per Program and/or Milestones or from any of the other Contractor's obligations and liabilities under the Contract or the Employer's right to invoke the Performance Security.

45.2 For Maintenance Works

- (a) In case the Contractor has not rectified or addressed deficiencies as directed by the Engineer at the time of site inspections during defects liability period, the Employer retains the right to get works done through a third party and debit the cost and expenses incurred to the Contractor. Alternatively, the Engineer may recommend invoking of Performance Security in part or full, as the case may be. In case, the Contractor still fails to rectify or address deficiencies even after invoking Performance Security, as described earlier, then the Employer shall treat the event as fundamental breach of Contract in terms of Clause 54 of Conditions of Contract.

46. Deleted

47. Advance Payment for Construction/ Improvement Works

- 47.1 No Mobilisation advance/Machinery and equipment advance payment will be made to the Contractor for the works.
- 47.2 No material advance will be made or paid to the Contractor.

48. Securities

- 48.1 The Performance Security (including additional security for unbalanced bids) shall be provided to the Employer not later than the date specified in the Letter of Award and shall be issued in an amount and form indicated in Contract Data from:
- a. State Bank of India or subsidiaries;
 - b. Any Indian Nationalised Bank; or
 - c. Any Scheduled Bank

as acceptable to the Employer, and denominated in Indian Rupees. If the Performance Security is in the form of Bank Guarantee the same shall be valid for period of **18 Months** from the date of bank guarantee or **03 Months** beyond the defect liability period whichever is later. In case the Intended Completion Date is extended, then the Contractor shall submit a fresh Performance Security or extension of the date of the Bank Guarantee/s if any, furnished as security, the same value valid up to a date of one month beyond the issue of Defect Liability Certificate.

49. Cost of Repairs

- 49.1 Loss or damage to or defective works or Materials during the Contract Period shall be rectified by the Contractor at the Contractor's cost to the satisfaction of the Engineer/Employer. In case of default by the Contractor, the Employer shall carry out suitable remedial measures and deduct the amount incurred thereto from payments due to the Contractor.

E. Finishing the Contract**50. Completion**

- 50.1 The Contractor shall request the Engineer to issue a Certificate of Completion of Works and the Engineer will do so upon deciding that the Works are completed in all respects.
- 50.2 Upon satisfactory compliance and observance of the performance standards by the Contractor, the Engineer shall suitably inform the Employer who may then issue the Certificate of Contract Completion to the Contractor, subject to Contractor satisfying all Provisions under this Contract.

51. Taking Over

- 51.1 The Employer will take over the Site and the Works with in 1 month of the Engineer issuing a certificate of Contract Completion in terms of Clause 50.2.

52. Final Account

- 52.1 In case of Construction / Improvement Works, the Contractor shall supply to the Engineer, a Detailed account of the total amount that the contractor considers payable under the Contract on or before 30 days beyond the Engineer shall assess the quality and completion status of Construction /improvement Works in terms of this Contract and upon satisfaction, shall certify and final payment that is due to the contractor within 30 days of receiving the Contractor's account. If the Engineer is not satisfied, then the Engineer shall issue within 7 days thereto a

schedule that states the scope of the corrections or additions that are necessary. If the Contractor fails to comply with the Engineer's instructions, the Engineer shall levy Liquidated Damages and shall recommend the Employer suitably. The Employer retains the right to employ a third party and carry out the remaining works and deduct the payment from pending bills of the Contractor.

53. Deleted

54. Termination

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

54.2 Fundamental breach of Contract includes, but shall not be limited to the following:

- (a) Contractor stops work for 28 days when no stoppage of work is shown on the program and the stoppage has not been authorized by the Employer.
- (b) Employer or the Contractor is made bankrupt or goes into liquidation, other than for a reconstruction or amalgamation.
- (c) Payment certified by the Engineer is not paid by the Employer to the Contractor within 60 days of the Engineer's Certificate.
- (d) The Engineer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Engineer.
- (e) The Contractor does not maintain a security (performance security, Security against Advance Payment etc) which is required;
- (f) In case of the Contractor has awarded more than 20% of value of works on sub-contract
- (g) The Contractor has defaulted in fulfilling his obligations under this Contract;
- (h) The Contractor has contravened clause 7,8 and 9 of the conditions of contract
- (i) Deleted;
- (j) The Contractor fails to carry out the instructions of Engineer within a reasonable time determined by the Engineer in accordance with Clause 15.1 and 22.1 of the conditions of Contract.
- (k) 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
- (l) If the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in 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 or the Employer or Engineer 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, and includes collusive practice among Contractors (prior to or after bid submission) designed to establish bid prices at artificial non competitive levels and to deprive the Employer if the benefits of the free and open competition."

- 54.3 When either party to the Contract gives notice of a breach of Contract to the Engineer for a cause than those listed under Clause 54.2 above, the Engineer shall decide whether the breach is fundamental or not.
- 54.4 Notwithstanding the above, the Employer may terminate the Contract for his convenience.
- 54.5 If the Contract so terminated, the Contractor shall stop work immediately make the site safe and secure and leave the site as soon as reasonably possible.
- 54.6 In case the Contractor fails to carryout the works, as per the work programme schedule and as per the conditions stipulated in the Bid Document, then the Employer, at its sole discretion is entitled to terminate this contract at the '**Risk and Cost**' of the Contractor and to employ such other Contractor/s to carryout the balance works. The additional cost incurred by the employer in completing the works, which remain unfinished at the time of termination of the contract will be recovered from the Contractor. Any unrecovered '**Risk and Cost**' amount will be a debt payable to the Employer and the Employer will take suitable actions for such unrecovered '**Risk and Cost**' amount at the cost of the Contractor. Any bill/s for the works executed remains unsettled and/or the value of materials, machineries etc., taken over or possessed by the Employer at the time of termination or on termination will be adjusted towards the '**Risk and Cost**' recoverable from the contractor.

55. Payment upon Termination

If the Contract is terminated because of fundamental breach of Contract by the Contractor, the Engineer shall issue a certificate for the value of the work done less advance payment received up to the date of the issue of the work certificate, less other recoveries due in the terms of the Contract, less taxes due to be deducted at source as per applicable law and the estimated/actual '**Risk and Cost**' to be recovered from the contractor due to termination. 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.

If the Contract is terminated at the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Engineer shall issue a certificate for the value of the Works done, the reasonable cost removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's cost 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.

56. Property

- 56.1 All materials on the site, plant, Equipment, Temporary Works and Works are deemed to be property of the Employer, if the Contract is terminated because of a Contractor's default.

57. Release from Performance

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

58,59,60 Deleted

APPENDIX 1

Safety Measures

I Contractor's Liability

The contractor shall be absolutely and solely responsible for any and all kinds of injuries or damages to person and property of any description whatever may be caused by or result from the execution of the works, whether these may have been carried out skillfully and carefully and strictly in conformity with the provisions of the specifications or not.

II Responsibility for Accidents, Damages etc.

The care of the whole of the permanent works shall remain with the contractor who shall be responsible for all accidents or damages from whatever cause arising and chargeable for anything that may be stolen, removed destroyed or damaged to whomsoever belonging and also for making good all defects and damages to the said works or to any property adjoining or any cause whatever whether such damage or defects were occasioned by the negligence of the contractor or not or may be or might have been discovered during the progress of the works or in consequences thereof, or shall appear to be known after the completion whereof or whether payment may wholly or partially have been made or the works approved as supposed to have been properly done and no certificate of approval of any works by any officers or ITEL shall affect or prejudice the right of ITEL against the contractor or be considered or held as at all conclusive as to the sufficiency of any works or materials.

III Contractor to be responsible for all Trespasses and Damages

In the event of accidents to any person including employees of ITEL on duty, damages to property, trespass on land, injury to cattle, horses, or other animals or damage injury of any description to any person or thing arising out of the execution of the works, the contractor shall be held responsible for and make good the same and shall indemnify ITEL from all claims or expenses on account thereof and if ITEL has to pay any money in respect thereof the sum so paid and the costs incurred by ITEL shall be charged to the contractor as so much money paid to him on account of his contract and the contractor shall not be at liberty to dispute or question the right of ITEL to make such payment for him or on his account notwithstanding the same may have been made without his consent of authority and decision or determination in law or otherwise to the contrary notwithstanding. ITEL shall not be liable to, or for in respect of any damages or compensation or claim there for, under any Act for the time being in force or common law because or by reason or in consequences of any accident or injuries to workmen or others in the employment of the contractor or any subcontractor or of any person acting under him or on his behalf or the staff / persons employed by ITEL for supervision of the work under his contract and the contractor shall save ITEL harmless and indemnify in respect thereof and of any all costs and expenses incidental there to or consequent thereon.

IV Safety Measures

1. All the works to be carried out in and around the work site, it must be under the contractors supervision with their supervisor, at their own risk and cost.

2. The contractor should possess rubber gloves, gum safety boots, helmet, face mask, torch light, emergency light etc. as safety equipments in good condition.
3. Each and every employee of the contractor should have insurance cover under Workmen Compensation Act.
4. The Contractor has to carry out any activity of the construction work only after informing and getting concurrence of ITEL / Engineer In Charge.

V Safety Equipments & Loose Tools:

The Contractor will be responsible to make available the safety equipment and loose tools as listed below. If the Contractor fails to keep the safety equipment and loose tools and consumable items as listed the above will be procured by ITEL and the cost will be deducted immediately from the bill payable to the contractor with a penalty of Rs. 5,000/-

VI Safety Measures to be adhered

1. Only experienced, skilled people have to be employed by the contractor.
2. All personnel should be covered by insurance under Workmen Compensation Act.
3. All labour act provisions has to be met with.
4. Rubber gloves, gum safety boots, helmet, face mask, torch light, emergency light etc are need to be provided by the contractor.
5. Exhibit labels of "Safety First"

VII List of Safety equipments to be provided by the Contractor

SI No	Name of Equipment
1	Face Mask
2	Shock proof hand gloves
3	Disposable hand gloves
4	Gum boot / Safety shoes
5	First Aid Box
6	Emergency light
7	Helmet / hard hat
8	Safety cones
9	Traffic barriers
10	Warning lights
11	Red flags
12	Caution boards

Note: The above is only an illustrative minimum list. The contractor must note that it is their responsibility to ensure the lives and safety of the workers employed by them. Towards this end, all the equipments of appropriate specifications should be procured and made available to the workers in usable conditions throughout the period of contract. Responsibility for any health problem or death will solely rest with contractor.

APPENDIX 2**Labour Statutory Requirements****I General**

The Contractor shall confirm to and comply with the regulations and by-laws of the State or Central Government or ITEL and of all other local authorities such as Corporation of Chennai, The Tamil Nadu Electricity System, The Chief Electrical Inspector to Government of Tamil Nadu, The Government Customs and Police Departments Fire Service, the provisions contained in the various Labour Acts enacted by the State Legislature and Central Parliament in force and rules made there under including those under Minimum Wages Act, Factories Act, The Indian Electricity Act and rules framed under it, Workmen Compensation Act, The Employees State Insurance Act 1948, Provident Fund Regulations Act, The EPF and Miscellaneous Provisions Act 1952, Employees Provident Fund 1961 and scheme made under the said Act, Health and Sanitary Arrangements for workers etc. and the Contract Labour (Regulation and Abolition) Central Act 1970 and the Contracts (Regulation and Abolition) Central Rules 1971 etc. for Welfare and protection of works, workers or for the safety of the public and other Insurance provisions.

II Further, the Contractor has to give a declaration for the following provisions:-

- i. That in the capacity of Contractor, the Contractor has to comply with the provisions of Contract Labour (Regulation & Abolition) Act, 1970 by obtaining a valid license under the Act and the Rules thereto and similarly under Factories Act wherever applicable.
- ii. The Contractor has to pay the wages in accordance with the Minimum Wages Act to all his / their employees.
- iii. That the Contractor has to abide to recover the Employees Provident Fund and the Employee's Insurance contributions (both Employees and employers contribution) from the payment of bills every month.
- iv. The Contractor's Code Nos. for E.S.I / Workmen Compensation Policy and E.P.F codes are----- & ----- and both the Employees, Employers contributions will be remitted by the contractor in his / their code numbers and copy of the remittance challans will be produced. In case, if the contractor is failing to remit, he / they will inform wage rates of employees to the Principal employer so that they can remit Employee's State Insurance Contribution & Employees Provident Fund contribution (both for the Employer and the Employee) and authorize them to make deductions from the payment of bills.
- v. That the Contractor has to contribute towards Tamil Nadu Manual Worker (Regulations of Employment and Conditions of work) Act, 1982 fund at the percentage prescribed by the Government from time to time.
- vi. That the contractor has to further declare and undertake that in case of any liability pertaining to his / their employees is to be discharged by the Principal Employer for his / their lapse, the contractor undertake to reimburse the same or the Principal Employer is authorized to deduct the same from the contractor's dues as payable.
- vii. That the contractor will maintain the Registers and records about the Contract Labour employed under Section 29 of Labour (Regulation & Abolition) Act wherever applicable.
- viii. That the contractor will take insurance policy under Workmen Compensation Act to meet out any untoward incident until the contract labourers are issued with ESI card.

III Compliance with Labour Regulations

During continuance of the contract, the contractor and his sub contractors shall abide at all times by all existing labour enactment's and rules made there under, regulation, notifications and bye laws of the State or Central Governments 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 ITEL indemnified in case any action is taken against ITEL by the competent authority on account of contravention of any of the provisions of any Act or rules made there under, regulation's or notifications including amendments. If ITEL is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications / Bye Laws / Acts / Rules / Regulations including amendments, if any, on the part of the contractor, the Engineer / ITEL shall have the right to deduct any money due to the contractor including his amount of performance security. ITEL/Engineer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by ITEL.

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

IV Contribution to Fund

Notwithstanding anything contained in any Law for the time being enforced or in any Agreement every person / Contractor who undertakes any Civil work shall be liable to pay a sum at such percent, not exceeding one percent of the total estimated cost of the work as may be fixed by the Government, by notification, as contribution to the fund constituted for the benefit of manual workers in the employment in Civil Works under a scheme, framed under Section 3 of Tamil Nadu Manual Workers (Regulation of Employment and conditions of Work) Act, 1982. The percentage of total estimated cost of work, as may be fixed by the Government notification from time to time shall be paid by the Contractor.

V Contract Labour Welfare

- i. The rights and benefits conferred on the workmen employed by the contractor under the provisions of various Labour Laws are the responsibility of the contractor. The contractor has to indemnify ITEL in case of loss or any damages. It is the responsibility of the contractor to take insurance policy under Workmen's Compensation Act, 1923 for each labour engaged by the contractor. The contractor will be responsible for any deficiency on safety measures to be adhered as stipulated in Safety measures to be adhered in Appendix 1. A photocopy of the insurance under Workmen's Compensation Policy should be furnished to ITEL. The policies should be kept alive till the completion of the contract period.
- ii. The Contractor shall produce fitness certificate from any Authorized Medical Attendant (AMA) of Government Hospital for all the Technical Staff and Labour Staff to be employed.

VI Following Laws shall be adhered to by the Contractor wherever applicable

- a. Workmen Compensation Act, 1923
- b. Payment of Wages Act, 1936
- c. Industrial Disputes Act, 1947
- d. Minimum Wages Act, 1948
- e. Factories Act, 1948
- f. Employees PF and Miscellaneous Act, 1952
- g. Payment of Bonus Act, 1965
- h. Payment of Gratuity Act, 1972

- i. Equal Remuneration Act, 1979
- j. Maternity Benefit Act, 1951
- k. Contract Labour (Regulation & Abolition) Act 1970
- l. Industrial Employment (Standing Orders) Act 1946
- m. Trade Unions Act 1951
- n. Child Labour (Prohibition & Regulation) Act 1986
- o. Inter-State Migrant Workmen's (Regulation of Employment & Conditions of Service) Act 1979
- p. The Building and other Construction workers (Regulation of Employment and Conditions of Service) Act 1996 and the Cess Act of 1996
- q. Employee State Insurance Act, 1948
- r. The Tamil Nadu Manual Workers (Regulation of Employment and Conditions of Work) Act, 1982
- s. The Bonded Labour System (Abolition) Act, 1976
- t. The Employer's Liability Act, 1938

VII Elimination of Child Labour

1. Attention of all contractor are invited to the Child Labour (Prohibition and Regulations) Act 1986, which prohibits employment of children below 14 years of age in certain occupations and process and provides for regulations of employment of children in all other occupations and progress. Employment of child labor is prohibited in building and construction industry.
2. Hence all the contractors are requested to adhere to the provisions in the above Act and see that engagement of child labour in the operational activities of ITEL are completely prohibited. Any violation of the provision will lead to penal action and removing of the contractor from the list of registered contractors.

APPENDIX 3

Tax Registration Number

We confirm that our firm/company has valid GST/PAN details as under:

- i) GST No. _____

- ii) PAN No. _____

We confirm that our firm/company has valid ESI / Workmen Compensation Policy and EPF codes as under:

- i) ESI No. _____
or
Workmen Compensation Policy No. _____

- ii) EPF No. _____

1% Cess to be paid for the Estimated Contract Value as per the notification of Tamil Nadu Manual Workers Act, 1982

(Format to be filled by the successful bidder)

- 1. Name of the Person
In charge of the Work :

- 2. Place of Work :

- 3. Total Estimated Cost of the Work :

- 4. 1% of the Total Estimated Cost of
the Work :

- 5. DD No., Date, Amount and Bank
On which Demand Draft is drawn :

Section IV Contract Data

SECTION IV CONTRACT DATA

Item	Clause Reference from GCC
The listed documents are also part of the contract and enclosed as Appendix	2.3
<p>The Employer is : IT Expressway Ltd. (ITEL) No.171, TNMB Building, II Floor, South Kesavaperumal Puram, Pasumpon Muthuramalingam Road (Greenways Road), Raja Annamalai Puram, Chennai 600 028 Phone No.: 2495 2800 / 3800, Fax No.: 2493 3800</p> <p>Name of Authorised Representative : Chairman and Managing Director</p> <p>-----</p> <p>Engineer is : IT Expressway Ltd. (ITEL) No.171, TNMB Building, II Floor, South Kesavaperumal Puram, Pasumpon Muthuramalingam Road (Greenways Road), Raja Annamalai Puram, Chennai 600 028 Phone No.: 2495 2800 / 3800, Fax No.: 2493 3800</p> <p>Name of Authorised Representative: Chief General Manager</p>	1.1
Providing Road Furniture from Akkarai to Muttukadu (i.e.) Km 22/300 to 33/000 at East Coast Road	1.1
The Start Date shall be the date of entering into Contract Agreement for the Work.	1.1
Intended Completion Date: 02 Months from the Date of Commencement of the Work/start date	1.1,16,26
The Site Possession Date shall be the date of commencement of work/start date	20
The Site is “ Providing Road Furniture from Akkarai to Muttukadu (i.e.) Km 22/300 to 33/000 at East Coast Road ”	1
The Defects Liability Period is 12 Months after the work Completion Date	1.1
The language of the Contract Document is English	3
The law which applies to the Contract is the law of Union of India	3
The currency of the contract is Indian Rupees Only	43
<p>Retention Money :- In IPC's @ 5% of value of each bill will be withheld and the withheld amount will be refunded to the Contractor along with the Final Bill / Taking over certificate.</p>	39.3

<p>The liquidated damages for non-completion of works within the Intended Completion date shall be 0.5% of the value of works for each week's delay or part there of beyond the completion date. The maximum amount of liquidated damages for the whole of the works is 5% of final contract price for works.</p>	45.1
<p>Performance Security shall be of 2% of Contract Price for Improvement Works as stated in the work order. If the Performance security is in the form of Bank Guarantee, the same shall be valid for 18 Months from the Date of bank guarantee or 03 Months beyond the defect liability period of work whichever is later.</p> <p>The standard form of Performance Security acceptable to the Employer shall be in the form of DD / an unconditional and irrevocable Bank Guarantee of the type as presented in section – II of Bidding Documents.</p>	48

Section V

Bill of Quantities

Bill of Quantities (BoQ) for works

A. Preamble

1. The Bill of Quantities shall be read in conjunction with the Instruction to Bidders, General and Special Conditions of Contract, Technical Specifications and conforming to the Indian standard specification.
2. The Bidder should closely peruse all the specification clauses for items of works for which he is tendering his rates.
3. The quantities given in the Bill of Quantities are approximate and provisional, which are given to provide a common basis for making payment for works. Actual quantities of work are likely to increase or decrease as per the requirement at site. Hence, there is no claim for any additional or less quantities than the specified in the BOQ.
4. The rates in the Bill of Quantities shall except in so far as it is otherwise provided under the Contract, include all plant, labour, supervision, materials, erection, transportation, maintenance, insurance, Toll, administrative overheads, profit, taxes and duties, together with all general risks, liabilities and obligations set out or implied in the Contract.
5. General directions and description of work and materials are not necessarily repeated nor summarized in the Bill of Quantities. The whole cost of complying with the provisions of the Contract shall be included in the items provided in the Bill of Quantities.
6. The method of measurement of completed work for payment shall be in accordance with relevant best practices MoRTH, IRC/ IS/ BIS/ AASHTO or as per codal provisions/specifications as may be decided by the Employer.
7. References to the relevant sections of the Contract document shall be made before entering prices against each item in the Bill of Quantities

Providing Road Furniture from Akkarai to Muttukadu (i.e.) Km 22/300 to 33/000 at East Coast Road

Bill of Quantities

S.No	MoRTH Clause No.	Description of the work	Qty	Unit	Rate inclusive of GST (Rs.)		Amount inclusive of GST (Rs.)
					In Figures	In Words	
1	803	Providing and laying of Hot Applied Thermoplastic compound 2.5 mm thick including reflecting glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes, with all lifts and leads etc complete as per MoRT &H Technical specification clause No.803 -	8417.40	Sqm			
2	804	Providing and fixing relective road studs of 'Category A' Raised pavement markers made out of poly carbonate / methyl methercrylate / ABS moulded body confirming to ASTM D 788 and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face with retro-reflectance and chromaticity values conforming to ASTM D4280. The reflective raised pavement markers shall also confirm to the MoRTH circular No RW / NH. 33023/10/97- DO.III dt 11.06.97. The height, width and length shall not be less than 15 mm, 90 mm and 100mm and with minimum reflective area of 13 Sq.cm on each side and the slope to the base shall be 35+/-5 degree. Each reflector shall have a CIL not less than values specified in Table 2 of said MORTH circular. The strength of detachment of the integrated cylindrical shanks. (of diameter not less than 19+/-2 mm and height not less than 30+/-2mm) from the body is to be a minimum value of 500 kgf. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer. The marker shall support a load of 13635 kg tested in accordance with ASTM D4280 and confirming to IRC 35-2015 guidelines and MORT&H specification 804 etc, complete.	7568.00	Nos			

S.No	MoRTH Clause No.	Description of the work	Qty	Unit	Rate inclusive of GST (Rs.)		Amount inclusive of GST (Rs.)
					In Figures	In Words	
3	804	Providing and fixing of Rigid median marker double sided made of tough, high impact resistant, injection - molded, thermoplastic body with an isosceles trapezoidal structure of length, width and height not less than 15cm,10cm and 10cm respectively and thickness not less than 1.8mm, the body structure shall be rounded at its acute angle, all the corners and edges. The plastic used for molding the Median Marker shall have a minimum notched izod impact strength value of 600 J/m at room temperature, when tested in accordance with ASTM D256 and shall retain at least 70% of this value when subjected to accelerated weathering for 1000 hrs as per ASTM G155 or UL746C. The logo of the manufacturer shall be embossed on either side of the body in th injection molding process. The Median marker shall have rectangular - shaped, fluorescent yellow colour retro - reflective sheeting of size not less than 8.5cm * 8.5cm and with fully reflective micro prismatic cube corners as its retro - reflective elements as per IRC 2012 and ASM D4956 - 09 TYPE xi specifications reflectivity values. The retro - reflective sheeting shall be both sides of the Median marker and shall be edge protected with no exposed edges which will prevent edge lifting, vandalism, sheeting damages, etc. The median marker shall be fixed by a combination of epoxy adhesive and grouting	1780.00	Nos			
4	811	Replacing of damaged Single sided single guard metal beam crash barrier system 1.80m heigh, comprising of 3mm thick wall "W" beams posts and spacer channels shall be made by cold rool forming using HR conform to IS 5986 Fe 410/360 and dip galvanized having zinc mass of 550 gms/sqm, minimum 950mm above road / ground level fixed on ISMC series channel vertical post 150 x 75 x 5mm spaced 2m center to center 312mm x 83mm flange width x 3mm thick, 4318mm long post directly embedded in the concrete (M15) Pit size 350 x 350 x 800mm for a depth of 750mm below ground. All fixing bolts and nuts hot dip galvanized conforming to IS:1367 clause 4.60 all complete as per Technical specification and as directed by the Engineer - in - charge	51.00	Rm			

S.No	MoRTH Clause No.	Description of the work	Qty	Unit	Rate inclusive of GST (Rs.)		Amount inclusive of GST (Rs.)
					In Figures	In Words	
5	801	Providing and erection of Retro - Reflectorised Cautionary, Mandatory and informatory Signs (without definition board) made out of High Intensity Prismatic Grade Sheeting conforming to Type - IV standards IRC 67 - 2012 and ASTM D 4956 - 09, specification and fixed over 2mm thick Aluminium sheet fixed over a back supporting frame of 25mm x 25mm x 3mm mild steel angle and supported on a mild steel angle post 75mm x 75mm x 6mm with a clear height of not less than 2.10m from the ground level to the bottom of the sign board and 0.60m below ground level. The sign post should be painted as per IRC 67 - 2012 and firmly fixed to the ground by means of property designed foundation with M15 grade cement concrete 45cm x 45cm x 60cm size including cost and conveyance of all materials, equipment, machinery and labour with all leads and lifts, loading charges necessary for satisfactory completion of the work as directed by the engineer in charge. High intensity Retro reflecto sheet shall consist of minimum coefficient of recto reflection as per table 6.6 of IRC 67-2012. The retro-reflective sheeting shall be covered under 7 year warranty issued for field performance and a certified copy of three years outdoor exposure report shall be obtainer as per IRC 67-2012 (As per MORT&H specification No.801)					
a		90 cm equilateral triangel - Median opening sign	16.00	Nos			
b		90 cm equilateral triangel - Pedestrian crossing	10.00	Nos			
6	806	Supplying and installation of delineators (road way indicators, hazard markers and object markers), 80 - 100 cm high above ground level, painted at alternatively black and white in 15cm wide strips, fitted with 80 x 100 mm rectangular reflectorised panels at the top, buried or pressed into the ground and conforming to IRC - 79 et.. complete (as per MORT&H specification No.806)	356.00	Nos			

S.No	MoRTH Clause No.	Description of the work	Qty	Unit	Rate inclusive of GST (Rs.)		Amount inclusive of GST (Rs.)
					In Figures	In Words	
7	804	Supplying and fixing of Solar Raised Pavement Markers made of Polycarbonate molded body, solar powered, LED self - illumination in active mode, 360 degree illumination and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face in passive mode. The product shall a load of 13635 kg tested in accordance to MORTH and ASTM D 4280 Type H. The product should be resistant to water ingress according to IP 65 standards with IS 12063:1987 Category 2 and should withstand temperature in the range of 7C to 70C . Flashing rate and colour of lighting is to be provided as per requirement. There should be minimum current losses of less than 20 micro - amperes in sleep - charging mode to enhance product life and single charge should provide for a minimum autonomy of 50 hours. The height, width and length shall not be less than 10mm x 100mm x 100mm. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufactures recommendation and complete as directed by the engineer. Warranty certificate and test reports confirming to compressive strength as per MORTH circular shall be obtained from the manufacturer and submitted to the engineer - in - charge. Two years warranty certificate for solar RPM for the quantity installed and a certified copy of test reports from an independent test laboratory conforming to water ingress shall be obtained from the manufacturer by the contractor and submitted to the engineer - in - charge	216.00	Nos			
					Total Amount inclusive of GST (Rs)		

(Rupees _____ Only)

inclusive of GST and all other applicable taxes

Section VI

Technical Specifications

Technical Specifications

PREAMBLE

1. The Technical Specifications contained herein shall be read in conjunction with the other Bidding Documents.

1.1 Site Information

General

1.1.1 The information given hereunder and provided elsewhere in these documents is given in good faith by the Employer but the Contractor shall satisfy himself regarding all aspects of site conditions and no claim will be entertained on the plea that the information supplied by the Employer is erroneous or insufficient.

1.1.2 The area in which the works are located is in plain terrain, the approximate longitude and latitude of the region (Tamil Nadu) being 76° 15'/80° 20' East and 8° 05'/13° 35' North.

1.1.3 Climatic Conditions

1.1.3.1 The temperature in this region is as under:

- i) During summer months, the average maximum temperature is 42°C.
- ii) During winter months, the average minimum temperature is 18°C.

1.1.3.2 The average annual rainfall in the area is of the order of 800mm.

1.1.4 Seismic Zone

The works are located in Seismic Zone-II as defined in IS :1893 (Part I) - 2002

2 GENERAL REQUIREMENTS

The Technical Specifications in accordance with which the entire work described hereinafter shall be constructed and completed by the Contractor shall comprise of the following. All the specification given in the relevant codes, MoRTH shall be adhered to during execution of the work

2.1 Part-I: General Technical Specifications

The General Technical Specifications shall be the "SPECIFICATIONS FOR ROAD AND BRIDGE WORKS" (Fifth Revision), issued by the Ministry of Road Transport and Highways, Government of India and published by the Indian Roads Congress, henceforth called MORT&H Specifications and deemed to be bound into this document.

2.2 Part-II: Supplementary Technical Specifications

2.2.1 The Supplementary Technical Specifications shall comprise of various Amendments/Modifications/ Additions to the "SPECIFICATIONS FOR ROAD AND BRIDGE WORKS" referred to in Part-I above and Additional Specifications for particular item of work not already covered in Part-I.

- 2.2.2 A particular clause or a part thereof in "SPECIFICATIONS FOR ROAD AND BRIDGE WORKS (Fifth Revision)" referred in Part-I above, where Amended/Modified/Added upon, and incorporated in Part-II, referred to above, such Amendment/Modification/ Addition supersedes the relevant Clause or part of the Clause.
- 2.2.3 The Additional Specifications shall comprise of specifications for particular item of works not already covered in Part-I.
- 2.2.4 When an Amended/Modified/Added Clause supersedes a Clause or part thereof in the said Specifications, then any reference to the superseded Clause shall be deemed to refer to the Amended/Modified/Added Clause or part thereof.
- 2.2.5 In so far as Amended/Modified /Added Clause may come in conflict or be inconsistent with any of the provisions of the said MORT&H Specifications under reference, the Amended/Modified/Added Clause shall always prevail.

2.2.6 Additional Specifications

In the absence of any definite provisions on any particular issue in the aforesaid Specifications, reference may be made to the latest codes and specifications of IRC, BIS, BS, ASTM, AASHTO and CAN/CSA in that order. Where even these are silent, the construction and completion of the works shall conform to sound engineering practice as approved by the Engineer and in case of any dispute arising out of the interpretation of the above, the decision of the Engineer shall be final and binding on the contractor. .

The latest edition till 28 days before the final date of submission of the bid of all specifications / standard shall be applicable.