

**GOVERNMENT OF TAMIL NADU
HIGHWAYS DEPARTMENT**

DIVISION : VELLORE (NH)

CIRCLE : CHENNAI (NH)

**NAME OF WORK : Widening from single lane to Double lane of
Gudiyatham – Gadambur – Kailasagiri –
Vaniyambadi Road 25/0 – 42/0 and Renewal in
km 25/0 – 27/0, 29/0 – 30/6 & 31/4 – 39/0.**

(TECHNICAL BID)

PREQUALIFICATION DOCUMENT

FORM FOR PREQUALIFICATION OF CONTRACTORS

FORM 14

FRONT COVER PAGE TO TENDER DOCUMENTS

TAMIL NADU HIGHWAYS DEPARTMENT

TENDER DOCUMENT

Name of work	:	Widening from single lane to Double lane of Gudiyatham – Gadambur – Kailasagiri– Vaniyambadi Road 25/0 – 42/0 and Renewal in km 25/0 – 27/0, 29/0 – 30/6 & 31/4 – 39/0.
Serial No.	:	2
No. of pages	:	24
No. of drawings	:	
Price	:	Rs.15600/- (for e-tendering Nil)
Issued by	:	Divisional Engineer (NH), Vellore
Sold toThiru / M/s	:	
Dated initial of Officer	:	
Issued to Thiru	:	
Name of work	:	Widening from single lane to Double lane of Gudiyatham – Gadambur – Kailasagiri – Vaniyambadi Road 25/0 – 42/0 and Renewal in km 25/0 – 27/0, 29/0 – 30/6 & 31/4 – 39/0.
Value of work	:	Rs.5,40,00,000/-
Employer	:	Superintending Engineer (NH), TNSCC Complex, Opp. CMBT, Jai Nagar, Arumbakkam, Chennai-106.
Engineer	:	Divisional Engineer (NH), Vellore
E.M.D.	:	Rs.2,80,000/-
Date fixed for Receipt of Tender	:	26.06.2009
Time upto	:	3.00 P.M.

1. INTRODUCTION

The Superintending Engineer (NH), Chennai Circle hereinafter termed “the Employer” wishes to receive Bids from eligible Bidders for as defined in these Bidding Documents for the work of **“Widening from single lane to Double lane of Gudiyatham – Gadambur – Kailasagiri – Vaniyambadi Road 25/0 – 42/0 and Renewal in km 25/0 – 27/0, 29/0 – 30/6 & 31/4 – 39/0”**.

Invitation for bids is open to the eligible domestic contractors.

2. INSTRUCTIONS TO APPLICANTS

2.1 Qualification Criteria

Pre-qualification will be based on meeting all the following minimum criteria regarding the applicant's in general and particular experience, personnel and equipment capabilities, and financial position, as demonstrated by the applicant's responses in the forms attached to the letter of application. Sub-contractor's experience and resources shall not be taken into account in determining the applicant's compliance with the qualifying criteria.

2.2 General Experience

The applicant shall meet the following minimum criteria:

- i The applicant in the same name and style should have achieved an average annual turnover (defined as billing for works in progress and completed) over the last five years at 40% of the value of contract applied for **Rs. 216.00 lakhs**
- ii The contractor in the same name and style, as prime contractor should have successfully completed at least one contract in (Highways Road / Railways / Air Port Authority of India) of at least 40% of the value of proposed contract with in the last five years.
- iii This experience in similar nature of work should also include the following minimum quantities of work at least in one work during the last five years.

a)	Earth work excavation	14400 cum
b)	Granular Sub – base (GSB)	4360 cum
c)	Wet Mix Macadam	5450 cum
d)	Bituminous Macadam/ DBM	1090 cum
e)	Bituminous Concrete/AC/SDBC/PC	41200 sqm
f)	Cement Concrete	115 cum
g)	RR Masonry	366 cum

- iv The Contractor should have sufficient tools and plants to complete this work.
- v The Contractor should have required bid capacity to execute this work.

The applicant will indicate the details of work executed project wise in a summary sheet separately.

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2.3 ESCALATION

The following enhancement factors shall be used for the costs of works executed and the financial figures to a common base value for works completed in India.

Current	Multiplying Factor
Year 1	1.00
Year 2	1.10
Year 3	1.21
Year 4	1.33
Year 5	1.46

The Application will indicate actual figures of costs and amounts in the schedule without accounting for the above-mentioned factors.

Note: Current year means the year corresponding to the date, month and year in which notice inviting tenders for pre-qualification is published.

2.4 PERSONNEL CAPABILITIES

The applicant must have suitably qualified personnel to fill the positions as specified in Annexure-II. The Applicant will supply information on a prime candidate and an alternate for each position, both of whom should meet the experience requirements.

2.5 EQUIPMENT CAPABILITIES

The Applicant should own or should have assured ownership to the key items of equipment (as per Annexure-1) in full working order, and must demonstrate that based on known commitment, they will be available for use in the proposed contract.

2.6 FINANCIAL POSITION

The applicant should demonstrate that he has access to., or has available liquid assets (Working capital, cash in hand) and/or credit facilities of not less than 10% of the contract/contracts applied for: the construction cash-flow may be taken as 10% of the estimated value of contract/contracts.
(Rs. 54 / - lakhs)

2.6.1 The audited balance sheets for the last five years should be submitted. Which must demonstrate the soundness of the Applicant's financial position, showing long-term profitability including an estimated financial projection for the next two years). Where necessary, the Employer will make inquiries with the applicant's bankers.

SIGNATURE OF CONTRACTOR

2.7 LITIGATION HISTORY

The Applicant should provide accurate information on any litigation or arbitration resulting from contracts completed or under execution by him over the last five years.

2.8 BID CAPACITY

The Applicants who meet the minimum qualification criteria will be qualified only if their available bid capacity at the expected time of bidding is more than the total estimated cost of the works. The available bid capacity will be calculated as under.

Assessed Available Bid Capacity = $(A \times N \times 2 - B)$

Where

- A is Maximum value of Construction works executed in anyone year during the last five years (updated to the current price level) rate of inflation may be taken as 10% per year which will take into account the completed as well as works in progress.
- B is Value at current price level of the existing commitments and ongoing works to be completed during the next **13** months (period of completion of works for which bids are invited), and
- N is number of months prescribed for completion of the works for which the bids are invited, i.e., **13** months in the present case.

Note: Item 'B' stated above should be substantiated with proper records & evidences.

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

- Made misleading or false representation in the form, statements and attachment submitted and / or
- Records of poor performance such as abandoning the work, rescinding of contract for which the reasons are attribute to the non performance of the contractor, consistent history of litigation awarded against the applicant or financial failure due to bankruptcy.

Note:

- 1) Copies of the documentary evidences to be furnished in support of the pre-qualification requirements should be submitted with due attestation by the competent authority.
- 2) The tenderers should furnish the original documents is called for at the time of tender evaluation to verify the copies of documentary evidences furnished along with the pre-qualification documents.
- 3) The tenderer should furnish self sworn affidavit about the fresh tenders and the tenders which are now being processed in various Wings/Departments in their favour.

SIGNATURE OF CONTRACTOR.

- 4) The audited balance sheet/profit and loss account etc. to be furnished by the tenderer should be properly endorsed by the auditors as verified with reference to the particulars furnished by the individuals and found to be correct,

3. CHECK LIST FOR INFORMATION TO BE FURNISHED

- 3.1 The documents submitted by the Bidders should be properly indexed. All pages shall be numbered and an index sheet added in the beginning of Bidding Documents.
- 3.2 Current bid capacity should be worked out by the Bidder in accordance with para 2.8 above and furnished in Application Form (7) All documents in support of the figures used in working out the Bid Capacity should be attached along with. The five year period to be used in working out bid capacity and the factors for indexing shall be as below.

Period	Factor for indexing
Year 1: 2008-2009	1.00
Year 2: 2007-2008	1.10
Year 3: 2006-2007	1.21
Year 4: 2005-2006	1.33
Year 5: 2004-2005	1.46

Note: Current year means the year corresponding to the date, month and year in which notice inviting tenders for prequalification is published.

- 3.3 A duly filled up check list shall be enclosed as per the Performa given below. This shall be added next to the index sheet.

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Sl. No.	Name of Document	Whether submitted Y/N	If yes, Refer Page No.	If No, Give reasons
1	Audited financial statements consisting of profit and loss statements, balance sheets and details about turnover from Civil Engineering works for preceding five years.			
2	Extend of access to bank loans or credit facilities with ceiling limits, if any, prescribed in this regard and Certified by the banker themselves			
3	Details of current work in progress including value of current outstanding payables, etc.,			
4	Certificates from competent Authority			
5	Provisional program for Completion of various Activities			
6	Application form (1) to (11)			
7	Calculation for Current Bid Capacity			
8	Latest Income Tax Clearance certificate			
9	Power of Attorney / Authorisation for - Persons Signing the Tender - For Signing the Tender - For partner-in-Charge			
10	Summary of quantities of work executed project wise.			

SIGNATURE OF CONTRACTOR

LETTER OF APPLICATION

(letterhead paper of the applicant including full postal address, telephone No. Fax No., Telex No., email address and cable address)

Date _____

To

(Name and address for the employer)

Ref: Advertisement inviting bids from Contractors for the work of **“Widening from single lane to Double lane of Gudiyatham – Gadambur – Kailasagiri – Vaniyambadi Road 25/0 – 42/0 and Renewal in km 25/0 – 27/0, 29/0 – 30/6 and 31/4 – 39/0”**.

Sir,

Being duly authorized to represent and act on behalf of (Hereinafter “the applicant”), and having reviewed and fully understood all the qualification information provided, the undersigned hereby apply to be pre-qualified by yourselves as a bidder for the above work.

Attached to this letter are copies of original documents defining.

- a) the applicant's legal status
- b) the principal place of business and
- c) the place of incorporation (for applicants who are corporations) or the place of registration and the nationality of the owners (for applicants who are partnerships or individually owned firms)
- d) Authority letter (s) for signatory (ies)

Your agency and its authorised representatives are hereby authorized to conduct any inquiries or investigations to verify statements, documents and information submitted in connection with this Application, and to seek clarification from our bankers and client regarding any financial and technical aspects. This letter of application will also serve as authorization to any individual or authorised representative of any institution referred to in the supporting information to provide such information deemed necessary and requested by yourselves to verify statements and information provided in this application, or with regard to the resources, experience and competence of the applicant.

Your Agency and its Authorised Representatives may contact the following persons for further information.

SIGNATURE OF CONTRACTOR

Nature of inquiry	Name, Telephone, Fax and Email Address
General and Managerial inquiries	
Personnel inquiries	
Technical inquiries	
Financial inquiries	

This application is made in the full understanding that Bids by Prequalified Applicants will be subject to verification of all information submitted for prequalification.

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

Signature

Name

For and on behalf of (name of Applicant) _____

SIGNATURE OF CONTRACTOR

APPLICATION FORM (1)**GENERAL INFORMATION**

All individuals/firms applying for Pre-qualification are requested to complete the information in this form, Nationality information to be provided for all owners or Applicants who are partnerships or individually – owned firms.

Where the Applicant proposes to use named sub-contractors for critical components of the works, or for work contents in excess of 10 percent of the value of the whole works the following information should also be supplied for the specialist sub-contractor(s).

1. Name of Firm :
2. Head Office Address :
3. Contact No. :

Telephone No.

Fax No.

E-Mail Address

Telex No.

4. Incorporation/Registration Details

Place of Incorporation/Registration:

Year of Incorporation/Registration

SIGNATURE OF CONTRACTOR

APPLICATION FORM (1A)

Structure and Organisation

1. The Applicant is

a.	An Individual Firm	
	A proprietary Firm	
	A Firm in Partnership	
	A Limited Company or Corporation	

2. Attach the organization Chart showing the structure of organization including the names of the Director and position of officers.

3. Number of years of Experience

a. Applicant (Individual/Company)

i) In Own Country

ii) In other Countries
(Specify country (ies))

4. a) For how many years has your organization been in the business of similar work under its present name? B) What were your fields when your organization was established? C) Whether any new fields were added in your organization?
D) And if so, When?

a.	
b.	
c.	
d.	

SIGNATURE OF CONTRACTOR

5. a) Were you ever required to suspend construction for a period of more than six months continuously after you started? B) If so give name of project and give reasons thereof.

a.	
b.	

6. a) Have your ever left the work awarded to you incomplete? b) If so, give name of the project and reasons for not completing work.

a.	
b.	

7. In which fields of civil engineering construction do you claim specialization and interest?

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8. Give details of your experience in using heavy earthmoving equipment and Quality control in compaction of soils.

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9. Give details of your Soil and material Testing laboratory if any.

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10. Give details of your experience in Mechanised granular pavement construction

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11. Give details of your experience in construction of Asphaltic overlays

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10. Give details of your experience in construction of bridge works

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11. Give details of your experience in construction of bridge works in open foundation

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APPLICATION FORM (2)**GENERAL EXPERIENCE RECORD**

Name of applicant

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The applicants are requested to complete the information in this form. The information supplied should be annual turnover of the Applicant in terms of the amounts billed to Clients for each year for work in progress or completed.

Annual Turnover Data (Construction work only)		
Sl.No.	Year	Turnover (Indian Rupees)
1		
2		
3		
4		
5		

SIGNATURE OF CONTRACTOR

APPLICATION FORM (3)

Particulars Experience Record Details of Contracts of Similar Nature (Highways)

Name of Applicant/Partner

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Use a separate sheet for each Contract

1	a) Number of Contract	
	b) Name of Contract	
	c) Country	
2	Name of Employer	
3	Employers Address	
4	Contract Role (Check one)	
	Sole Contractor / Sub-contractor	
5	Value of the total Contract (at Completion, or at Date of Award for Current Contract)	
6	Date of Award (Original and Actual)	
7	Date of Completion (Original and Actual)	
8	Contract duration (Years and months)	Years
		Months
9	Specify Quantities of Following Major items of work	
	a) Earthwork in Embankment cum	
	b) WMM/WBM, Cum	
	c) Bituminous work (DBM/BC) Cum	
	d) Road length/Bridge Length	
10	Name and Professional Qualification of Applicant's Engineer-in-Charge of the work	
11	Were there any Penalties / Fines / Stop-Notice / Compensation / Liquidated Damages Imposed? (Yes or No) If yes, give amount and Explanation:	

Notes: In case of contracts in foreign currency, the value of the contract converted to Indian Currency (exchange value shall be as at the end of the project) should be stated.
A certificate of completion from the Employer / Engineer must be enclosed.

SIGNATURE OF CONTRACTOR

APPLICATION FORM (4)
Current Contract Commitments Works in Progress

Name of Firm _____

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

Employer	Counseling Engineer responsible for supervision	Location and description of work	Value of contract in Indian Rupees	Value completed and certified in Indian Rupees	Original Target date of commencement of work	Original Target date of completion of work	Actual date of start of work	Revised target date of completion of work	Present Progress (%)	Reason for slow progress if any

- a) Certificate from the Employers should be attached.
- b) Non-disclosure of any information in the schedule will result in disqualification of the firm.

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APPLICATION FORM (5)**Personnel Capabilities****Name of applicant**

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For specific position essential to contract implementation. Applicants should provide the names of at least two candidates qualified to meet the specified requirements stated for each position. The data on their experience should be supplied in separate sheet using one Form (5A) for each Candidate.

1	Title of Position	
	Name of Prime Candidate	
	Name of Alternate Candidate	
2	Title of position	
	Name of Prime Candidate	
	Name of Alternate Candidate	
3	Title of position	
	Name of Prime Candidate	
	Name of Alternate Candidate	
4	Title of Position	
	Name of Prime Candidate	
	Name of Alternate Candidate	

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APPLICATION FORM 5(A)**CANDIDATE SUMMARY**

Name of applicant

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Position		Candidates
		Prime Alternate
Information about Candidate	1. Name of Candidate	2. Date of Birth
	3. Professional Qualification	
Present Employment	4. Name and address of Employer:	
	Telephone No.	Contact: (Manger/Personnel Officer)
	Fax No.	Tele No.
	Job title of candidate	Years with present employer

Summaries professional experience over the last 10 years. In reverse chronological order.
Indicate particular technical and managerial experience relevant to the project.

From	To	Company / Project / Position Relevant / Technical & Managerial Experience

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APPLICATION FORM (6)

MAJOR ITEMS OF CONSTRUCTION PLANT AND EQUIPMENT PROPOSED TO BE USED BY THE APPLICANT ON THIS CONTRACT

Description	Manufacturer & Model type / Make	No.of each equipment/ plant	Year of manufacture & present condition	New or used	Total No.of hours of operation since date of manufacture	Owned (O) Leased (L)	Estimated CIF value in Indian Rs.	Power rating	Capacity T/Hr. etc.,	Present location
Earth work										
Granular Construction										
Bituminous construction										
Structure										

The bidder shall enter in the schedule (adding additional pages as necessary) all items of Construction Plant and Equipment, which he purpose to bring on to the site either owned / leased or proposed to be purchased.

SIGNATUREOFCONTRACTOR

APPLICATION FORM (7)**FINANCIAL STATEMENT**

The applicants should provide financial information to demonstrate that they meet the requirements stated in the instructions to applicants. If necessary, use separate sheets to provide complete banker information. A copy of the audited balance sheets should be attached.

1. Name of applicant

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2. Summary of assets and liabilities on the basis of the audited financial statement of the last five financial years. (Attach copies of the audited financial statement of the last five financial years for the individual applicant based upon known commitments, summaries projected assets and liabilities in Indian Rupees for next two years).

Firms owned by individuals and partnerships may submit their balance sheets certified by a registered accountant and supported by copies of tax returns, if audits are not required.

Financial information in Indian Rupees	Actual: Previous five years				Projected: Next two years	
Financial year						
Total assets						
Current assets						
Cash temporary investments and current receivable						
Total liabilities						
Current liabilities						
Authorised capital						
Capital issued and paid up						

3. Annual value of construction works, under taken for each of the last five years and projected for current year.

	Current Year 1	2 Years before	3 years before	4 years before	5 years before
Home					
Aboard					

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4. Net profit before and after Tax:

a)	Current period	
	During the last financial year	
	During each of the four previous financial years	
	Projected for the next 2 years	

The profit and loss statements have been certified through _____

_____ by _____

5. Specify proposed sources of financing to meet the cash flow demands of the projects, net to current commitments.

Sl. No.	Source of financing	Amount in Indian Rupees

6. Credit facilities

(a) Name/address of bank providing credit line.

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(b) Total amount of credit line (attach latest certificate from the Bank obtained after the tender notice publication)

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7. (a) Approximate value of works in hand

(b) Value of existing commitment of construction works (ongoing) to be completed during the next 12 months.

8. Value of anticipated orders for next financial years:

Home

Abroad

9. Bid capacity computation (given supportive documents)

SIGNATURE OF CONTRACTOR

APPLICATION FORM (8)**LITIGATION HISTORY**

Name of applicant

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The applicant should provide information on history of litigation or arbitration resulting from contracts completed or under execution in the last five years.

Year	Award for or AGAINST applicant	Name of Client, Cause of Litigation and matter in dispute	Disputed amount (Current value in India Rs.)	Actual awarded amount in Indian Rs.

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APPLICATION FORM (9)**INFORMATION REGARDING CURRENT LITIGATION, DEBARRING, EXPELLING OF TENDERER OR ABANDONMENT OF WORK BY TENDERER**

1. (a) Has the applicant or its constituent history of litigation awarded against him?

YES	NO
-----	----

(b) If yes, give details

--

2. (a) Has the Applicant or any of the Constituent Partners been debarred / expelled by any Agency in India, during the last five years, excepting on account of reasons other than non-performance.

YES	NO
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(b) If Yes, give details

--

3. (a) Has the Applicant or any of the Constituent Partners abandoned any contract work in India, during last five year?

YES	NO
-----	----

(b) If yes, give details

--

4. (a) Has the Applicant or any of the Constituent Partners has been declared bankrupt during last five years?

YES	NO
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(b) If yes, give details, including present status

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Note: If any information in this schedule is found to be incorrect or concealed, application will be summarily rejected.

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APPLICATION FORM (10)**AFFIDAVIT**

1. I, the undersigned, do hereby certify that all the statements made in the required attachments are true and correct.

The undersigned also hereby certifies that neither our firm M/s. _____ nor any of its Constituent Partners have abandoned any work nor any contract awarded to us for such works have been rescinded for which the reasons were attributable to the non performance of our firm during last five years to the date of this bid.

The undersigned hereby authorise(s) and request(s) any bank person, firm or corporation to furnish pertinent information deemed necessary and request by the Department to verify this statement or regarding my (our) competence and general reputation.

The undersigned understand and agree that further qualifying information maybe requested and agrees to furnish any such information at the request of the Department / Project implementing Agency.

(Signed by an Authorised Officer of the Firm)

Title of Officer

Name of Firm

Date

SIGNATURE OF CONTRACTOR

APPLICATION FORM (11)

Item	Element of work	Approximate Value	Name and address of sub-contractor	Statement of similar works.
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ANNEXURE – I

MAJOR ITEMS OF CONSTRUCTIONAL PLANT

Minimum requirement of plant and equipment for this work: (Specified by employer)

- | | | |
|----|-------------------------------------|----------|
| 1. | Dumpers/Tippers | : 6 Nos. |
| 2. | Power Roller 8 T Capacity | : 3 Nos. |
| 3. | Central Hot mix plant | : 1 No. |
| 4. | Mechanical Sprayer for tack coating | : 1 No. |
| 5. | Paver finisher | : 1 No. |
| 6. | Concrete Mixer | : 2 No. |
| 7. | Pin Vibrator | : 2 No. |
| 8. | Vibrator Roller | : 1 No. |

PLANTS AND EQUIPMENT ON HAND WITH THE APPLICANT

Give details of plant and equipment owned by the applicant, which will be used on this work in the following proforma (Separate form for each type of equipment is to be given)

- | | | |
|-----|---|---|
| 1. | Name of equipment | : |
| 2. | Number of Units | : |
| 3. | Make of equipment | : |
| 4. | Capacity | : |
| 5. | Normal life specified by the manufacture in working hours
(Age and condition of the equipment) | |
| 6. | Number of actual working hours already put in by the machine | |
| 7. | Present Location | : |
| 8. | Present Condition | : |
| 9. | Depreciated Cost | : |
| 10. | Remarks | : |

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ANNEXURE – II**DETAILS OF KEY PERSONNEL AND ADMINISTRATIVE PERSONNEL**

Details of Personnel proposed to be deployed by the applicant for this work.

B.E (Civil) – 3 Nos.

D.C.E : 4 Nos.

.Sl. No.	Name of person	Qualification	Designation	No.of years experience		Details of works carried out etc.,
				Individual	In the firm	
A.	Technical Personnel					
	1.					
	2.					
	3.					
	4.					
	5.					
B.	Administrative Personnel					
	1.					
	2.					
	3.					
	4.					
	5.					
C.	Skilled and other workers					
	1.					
	2.					
	3.					
	4.					
	5.					

SIGNATURE OF CONTRACTOR

Sd/- M.Muthuvalliappan
Superintending Engineer (NH),
Chennai-106.

FORM -1.4

FINANCIAL BID

**FRONT COVER PAGE TO TENDER DOCUMENT
TAMIL NADU HIGHWAYS DEPARTMENT
TENDER DOCUMENTS**

**NAME OF WORK : Widening from single lane to Double lane of
Gudiyatham – Gadambur – Kailasagiri –
Vaniyambadi Road 25/0 – 42/0 and Renewal in
km 25/0 – 27/0, 29/0 – 30/6 & 31/4 – 39/0.**

SERIAL NO. : 2

NO.OF PAGES :

NO.OF DRAWING :

ISSUED BY : Divisional Engineer (NH), Vellore.

SOLD TO :

DATE & INITIAL OF OFFICER :

**TENDER
ISSUED TO**

**TO
THE SUPERINTENDING ENGINEER,
NATIONAL HIGHWAYS,
TNSCC COMPLEX, JAI NAGAR,
206/N, JAWAHARLAL NEHRU SALAI,
CHENNAI-600 106 PH.No.044-24751123**

Sir,

I/We do hereby tender and if this tender be accepted undertake to execute the following work viz. **“Widening from single lane to Double lane of Gudiyatham – Gadambur – Kailasagiri – Vaniyambadi Road 25/0 – 42/0 and Renewal in km 25/0 – 27/0, 29/0 – 30/6 & 31/4 – 39/0”** as shown in the drawings and described in the specifications attached with the bid documents with such variations by way of alterations, additions to and omissions from the said works and methods of payments as are provided for in the conditions of contract

Indicated in schedule-A.

I/We hereby agree that when works are executed by way of alterations of, additions, omissions and or any new items contemplated in the bid document, rates for these items derived as laid down in clause 110-04 of P.S. to SSRB.

I/We hereby distinctly and expressly declare and acknowledge that before the submission of my/our Tender, I/We have carefully followed the instructions in the Tender Notice and have read Standard Specifications for roads and bridges and preliminary specifications to Standard specifications for roads and bridges, the specifications for roads and bridge works of Ministry of Road Transport and Highways and that I/We have made such examination of the contract documents and of the plans, specifications and quantities and of the locations where the said work is to be done and such investigation of the work required to be done and in regard to the materials required to be furnished as to enable me/us to thoroughly understand the intention of the same and the requirement, covenants, agreements, stipulations and restrictions contained in the contract and in the said plans and specifications and distinctly agreed that I/We will not hereafter make any claim or demand upon the Government of Tamil Nadu based upon or arising out of any alleged misunderstanding or misconception or mistake on my/our part of the said requirement, covenants, agreements, stipulations and restrictions and conditions in executing the work. I/We shall keep the rate of progress of work as stipulated in the Tender Notice.

Signature of Contractor:

I/We, being a registered contractor of the Highways Department enclose the Certificate of Income Tax Verification and Tamilnadu Value Added Tax valid for the current year.

I/We, enclose herewith the E.M.D. for the payment of sum of Rupees.....
(to be enclosed in the Technical Bid). If my/our tender is accepted, the earnest money may be retained by the Department as Security Deposit for the due fulfillment of the contract by transferring the same to the credit of the **DIVISIONAL ENGINEER (NH), VELLORE DIVISION**. If upon intimation being given to me/us by the **SUPERINTENDING ENGINEER (NH), CHENNAI-600 106** of acceptance of my/our tender, fail to attend the said office on the date fixed thereon, or if I/We fail to make the further security/additional security deposit as may be intimated and enter into the required agreement, then I/We agree to the forfeiture of the earnest money not as a penalty but in payment of liquidated damages sustained as a result of such failure.

Address to which intimation / notice is to be sent.

I/We fully understand that the written agreement to be entered into between me/us and the Government shall be the foundation of the rights of both the parties and contract shall not be deemed to be complete until the agreement has first been signed by me/us and then by the proper officer authorized to enter into contract on behalf of Government.

I/We are professionally qualified and my/our qualification are given below :-

NAME	QUALIFICATION

SIGNATURE OF CONTRACTOR.

I/We will employ the following technical staff for supervision of the work and will see that one of them is always present at works site personally checking all items of works and paying extra attention to such works which require special attention (eg) Reinforced Concrete work etc. I/We also agree for the deduction of the sums indicated in the special conditions, if I/We fail to employ the technical assistants.

NAME OF THE MEMBERS OF TECHNICAL STAFF PROPOSED TO BE EMPLOYED	QUALIFICATION

Station:

Date :

SIGNATURE OF CONTRACTOR

SOLD TO:

DRAUGHTING OFFICER.

TENDER NOTICE

1. For and on behalf of the Governor of Tamil Nadu, sealed tenders on percentage basis at estimate rates or above estimates rates or below estimate rates will be received by **SUPERINTENDING ENGINEER (NH), TNSCC COMPLEX, JAI NAGAR, OPP. MOFUSSIL BUS STAND, CHENNAI-600 106** at his office upto **3.00 P.M.** (Office clock) on **26.06.2009** for the work **“Widening from single lane to Double lane of Gudiyatham – Gadambur – Kailasagiri – Vaniyambadi Road 25/0 – 42/0 and Renewal in km 25/0 – 27/0, 29/0 – 30/6 & 31/4 – 39/0”**.
2. The tender should be in the prescribed form obtained from the **Divisional Engineer (NH), Vellore** Division upto **23.06.2009** on all working days during office hours.
3. The tenders will be opened by the **SUPERINTENDING ENGINEER (NH), CHENNAI-106** at his office at **3.15 P.M.** as per the Office Clock, on the same day (i.e) on **26.06.2009**.
4. The tenderers or their authorized agents are expected to be present at the time of opening of tenders. The tender receiving officer will be opening each tender and initial all corrections in the presence of the tenderers. The tenderers shall accept the corrections without any question whatsoever.
5. Tenders must be submitted in sealed covers and should be addressed to the **SUPERINTENDING ENGINEER (NH), CHENNAI-106**. The name of the tenderer and the name of the work shall be noted on the cover.
6. If the tender is made by an individual, it shall be signed with the full name and his address shall be given. If it is made by a firm, it shall be signed with the co-partnership name, by a member of the firm, who shall also sign his own name and the names and addresses of each member of the firm shall be given. If the tender is made by a corporation, it shall be signed by duly authorized Officer who shall produce with his tender satisfactory evidence in support of his authorization. Such tendering corporation may be required before the contract is executed, to furnish evidence of its corporate existence.
7. The tenderers who have registered in the Highways Department under category **Class-I** (as per new classification)are eligible to tender for this work as already notified in the tender notice.

SIGNATURE OF THE CONTRACTOR.

- 8.1 Each tenderer must send a certificate of Income Tax Verification from the appropriate Income Tax authority in the form prescribed therefor. This certificate shall have validity for one year from the date of issue of all tenders submitted during the period.
- 8.2 Each tenderer must also send a certificate of VAT verification issued during current year from the appropriate authority.
- 8.3 In case of proprietary or partnership firm it will be necessary to produce the certificate for the proprietor or proprietors and for each of the partners as the case may be.
- 8.4 If the tenderer is a registered contractor in the department and if certificate for the current year had already been produced during the calendar year in which the tender is made, it will be sufficient if the particulars regarding the previous occasion in which the certificate was produced are given. However a Xerox copy of the certificates shall be furnished.
- 8.5 All tenders received without certificate of Value Added Tax Certificate are liable to be rejected.
- 9.1 Each tenderer must pay as Earnest Money Deposit a sum of **Rs.2,80,000/- (Rupees two lakhs and eighty thousand only)**.

In any form of a security such (1) National Savings Certificate pledged in favour of **Divisional Engineer (NH), Vellore Division** and not in favour of Governor etc., (2) Demand Draft from Nationalised Scheduled Bank in favour of the **Divisional Engineer (NH), Vellore Division** (3) Kisan Vikas Patras duly pledged in favour of the **Divisional Engineer (NH), Vellore Division** subject to the condition that the short term security obtained shall be kept valid for reasonable tenure till decision of tender is finalized. If the National Savings Scripts, Postal Scripts, Post Office Savings not pledged in favour of **Divisional Engineer, Vellore Division** are enclosed with pledge forms signed by the contractor without actually pledging, the tender will be summarily rejected. The Earnest Money Deposit will be refunded to the unsuccessful tenderers on application after the decision on the tender is taken or at the expiration of **120 days** from the date of tender whichever is earlier. This refund will be authorized by the **Divisional Engineer (NH) Vellore Division**. The Earnest Money Deposit will not be received in cash or currency notes or cheques or bank guarantee or Prize Bonds or IPOs or Bank Drafts from non-scheduled bank. The successful tenderer should replace the E.M.D in the form of small savings script/deposits accounts etc., duly pledged in favour of the **Divisional Engineer (NH) Vellore**.

* (EMD to be enclosed in the technical Bid)

SIGNATURE OF CONTRACTOR.

Bank guarantees for Earnest Money Deposit will not be accepted.

- 9.2 Tenders not accompanied with the notified Earnest Money Deposit in acceptable form shall be rejected.
 - 9.3 Earnest Money Deposit will be retained in the case of successful tenderer and will not carry any interest. It will be dealt with as provided in the tender.
 - 9.4 On evaluation of the tender if it found that if the overall quoted amount of the tender is less than 5% to 15% of the estimated amount the Contractor shall pay an additional security of 2% of the estimated value if the tender discount exceeds 15%, the contractor shall pay an additional security of 50% of the difference between the quoted amount and estimated value of contract. Failure to furnish the additional security and execute the agreement shall entail cancellation of award of contract and forfeiture of E.M.D. furnished in the tender.
-
- 10.1 The successful tenderer will be notified by a letter sent by registered post to the address shown on his tender that his tender has been accepted. The tender shall attend the Office of the **Superintending Engineer (NH) Chennai-106** on the date fixed by written information to him. He shall, forthwith upon intimation being given to him by the **Superintending Engineer (NH) Chennai-106** of acceptance of his tender, sign an agreement in the proper departmental form of the due fulfillment of the contract. A further security deposit of **Rs.8,00,000/- (Rupees eight lakhs only)** or such other sums as will be intimated to him shall be furnished in the shape of Small Savings Scripts/Deposits or irrevocable Bank Guarantee in the prescribed form.

This security deposit together with Earnest Money Deposit and the amount withheld according to the clause 110 preliminary specification to S.S.R.B. shall be retained as security for the due fulfillment of this contract. If, upon intimation being given to the successful Tenderer by the **Superintending Engineer (NH), Chennai-106** of acceptance of his tender, the tenderer fails to make the further security deposit and or additional security deposit and to enter into the referred agreement, it will be considered as just cause for the annulment of the award of contract and the said earnest money referred in clause 9.1 of the tender notice shall be forfeited, not as a penalty but in payment of liquidated damages sustained as a result of such failure.

SIGNATURE OF CONTRACTOR.

- 10.2 The written agreement to be entered into, between the contractor and Government shall be the foundation of all rights of both the parties and the contract shall not deemed to be complete until the agreement has first been signed by the contractor and then by the proper Officer authorized to enter into contracts on behalf of the GOVERNMENT OF TAMIL NADU.
11. The Preliminary specifications to the STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES construction shall form an inseparable condition of the contract in all agreements entered into by the contract for execution of work for the TAMIL NADU HIGHWAYS DEPARTMENT.
12. For items of works in buildings and structure not covered by the specifications, relevant items from Tamilnadu Building Practice, National Building Code as amended from time to time shall apply.
13. The tenderer shall examine closely the SSRB, MORT&H and TNBP and also the Standard PRELIMINARY SPECIFICATIONS TO SSRB contained therein before submitting his tender which shall be for finished work in situ. He shall also carefully study the drawings and descriptive specifications supplementing Schedule-A and all documents which form part of the agreement to be entered into by the accepted Tenderer. It shall not be necessary to append these Standard Specifications and codes with the bid documents and they shall be deemed to be inseparable part of bid document and agreement to be entered into.
14. **The tenderer's attention is directed to the requirements of materials under the clause "Materials and the workmanship" in the Preliminary Specifications, Materials confirming to the British Standard Specification, or Bureau of Indian Standard and Indian Road Congress shall be used in the work and the Tender shall quote his tender percentage accordingly.**
- 15.1 **Every tender is expected before quoting his tender percentage to inspect the site of the proposed work. He should also inspect the quarries and other sources of materials and satisfy himself about the name of quarries etc. wherefrom certain materials are to be obtained as given in the description specification sheet.**
- 15.2 The best class of materials to be obtained from the quarries and other sources designated shall be used on work. In every case the materials must comply with the relevant Standard Specifications. Samples of materials as called for in the Standard Specification or in the tender notice as required by the DIVISIONAL ENGINEER (NH) VELLORE in any case shall be submitted for the DIVISIONAL ENGINEER'S approval before the supply to the site of work is begun.

SIGNATURE OF CONTRACTOR.

16. The Government will not however, after acceptance of the tender, pay any extra for lead or for any other reasons in case the Contractor is found later on to have misjudged the quality or quantity of materials available. Attention of the contractor is directed to the Standard Preliminary Specifications regarding payment of seigniorage, tolls etc.
- 17.1 The Tenderer's particular attention is drawn to the sections and clauses in the Standard Preliminary specifications dealing with :
 1. Test inspection and rejection of defective materials of work.
 2. Carriage.
 3. Construction plants.
 4. Water and lighting.
 5. Clearing up during progress and for delivery.
 6. Accidents
 7. Delays
 8. Particulars of payment.
- 17.2 The Tenders should closely peruse all the specification clauses which govern the rates for which he is tendering.
18. A schedule of quantities with estimate rates accompanies the tender document. It shall be definitely understood that the Government does not accept any responsibility for the correctness or completeness of quantities in the schedule and that this schedule of quantity is liable to alterations, omissions, deductions, additions at the discretion of the **Divisional Engineer (NH), Vellore Division** or as set forth.
19. The tenderers shall quote in the tenders the overall percentage with reference to the estimate value at which he will undertake to do the whole work subject to the conditions of contract. The tender percentage shall be written legibly and free from erasures.

Over writings or conversions of figures or corrections, where unavoidable should be made by crossing out, initialing, dating and rewriting.
20. Tenders not submitted in proper form or within the due time will be rejected. Lumpsum amounts for items not called for shall not be included in the tender. No alteration which is made by the tenderer in the tender or the conditions of contract, the drawing, specifications or quantities accompanying the same will be recognized and if any such alterations are made, the tender will become invalid.

SIGNATURE OF CONTRACTOR.

21. The attention of the tenderers is drawn to the contract requirements as to the time of commencement of work. The rate of progress and the dates for completion of the whole work and the several activities shall be as indicated below. The date of commencement of this programme will be the date on which the site (Premises) is handed over to the contractor. The time fixed for completion of the entire work shall be **13 months**.

PROGRAMME FOR COMPLETION OF WORK :

Sl. No.	Period (Cumulative from the date of handing over the site)	Mile stone fixed for completion
1.	First three months.	20% of work completed.
2.	Second three months.	50 % of work completed.
3.	Third three months.	75% of work completed.
4.	Last four months.	100% of work should be completed in all respects.

22. No part of the contract shall be sublet without written permission of the **Divisional Engineer (NH), Vellore division** nor shall transfer be made.
23. If any further information is required the **Divisional Engineer (NH), Vellore Division** will furnish such information but it must be clearly understood that tenders must be fully in order and according to instructions.
24. The tenderer submitting a quotation which the tender accepting authority considers excessive or indicate of insufficient knowledge of current prices or definite attempt at profiteering, will render himself liable to be debarred as the accepting authority may decide. The percentage should be based on the controlled prices under the provision of clause 6 of the Hoardings and Profiteering Preventive Ordinance 1943 as amended from time to time and similar principle in regard to labour and supervision in the constructions.
25. A statement giving brief particulars of equipment and resources that will be but at the disposals in respect of the following classifications should accompany the tender.

a.	equipment	Transport for materials Lorries concrete mixers etc.
b.	Organization	1. Technical 2. Unskilled
c.	Methods that will be accepted to speed up the work for the entire completion within the prescribed time.	

SIGNATURE OF CONTRACTOR.

26. No foreign exchange would be released by the Government for the purchase of plant and machinery for the work.
27. The tenderer shall also submit the detailed working drawings with sequence of construction required for each stage of work regarding foundation, substructure and superstructures. The tenderer shall submit list of machineries, required, the source and availability.
28. The contractor's quoted tender percentage shall be inclusive of all taxes duties, fees, tolls, insurance and others if any which he has to pay to the Government and other bodies as the concerned laws would require.
29. The levels furnished in the plan are based upon the investigation done by this department. If there are any change in levels, water levels etc. during actual execution, the contractors, are bound to accept them and they are not eligible for any extra claim for such change in levels etc.
30. The tenderer must submit a detailed specification of materials and the tests to be conducted to ensure the quality of materials proposed to be used in the construction.
31. The Contractor should take risk insurance at their cost against losses due to unprecedented floods and acts of god. The department will not pay or compensate for any such losses.
32. The tenderer final value of contract/ percentage offered by the Contractor should be inclusive of all hire charges fuel charge for all the machineries used for this work. The contractor is responsible for the erection of CMP position for CMP site pay for crew and fuel charge of the plants engaged etc., and the quotation offered by the contractor includes all the above provisions.
33. The materials required for this work shall be collected by the contractor according to the MORT&H specification. No extra lead charge for the collection of materials and conveyance of mix be given to the contractor.
- 34.1 The contractor should make traffic barricading providing danger lights and other such arrangements for the safety of the traffic during execution at his cost.
- 34.2 The contractor should make his own arrangements to form and maintain the diversion or approach road for the conveyance of materials to the workspot at his cost and the department will not make any payment for this item. This should be the responsibility of the contractor.

SIGNATURE OF CONTRACTOR.

35. All the items contemplated in the tender for the work to be carried out as per **MORT&H (IV Revision)** specifications only. For DBM,BC and Semi-Dense Bituminous Concrete, the work has to be done as per clauses of MORT&H specification and the said specification required necessary mix design based on the quality of materials proposed by the Contractor to be used for the work. Therefore necessary job mix formula is to be obtained by the contractor from the competent authority of Highways Research Station, Chennai and get it approved by the competent authority before execution of work. The Contractor is bound to get the job mix formula and to do the work based on the test results as given by the Highways Research station, Chennai. The tenderer final amount includes expenses towards the above said job formula and no extra rate of claim will be considered for doing this item of work as per job mix formula.
36. The BM, DBM, SDBC and BC should be done with paver finisher only.
37. Quality Control should be maintained during execution of work, at every stage. The Contractor should render necessary facilities to the department officials to conduct necessary tests both at site and departmental laboratory during execution of works as listed in the Schedule-A necessary test charges and other expenses connected there with shall also be borne by the contractor according to the tests conducted as per norms of **MORT&H** specification.
38. The Contractor has to get the design mix approved to give the designated CBR without any extra cost.
39. The validity of tender should be for **90 days** from the date of Tender.
40. **THE TENDERER SHOULD QUOTE THEIR TENDER PERCENTAGE BOTH IN WORDS AND FIGURES CLEARLY IN THE TENDER FORM ONLY.**

Sd/- M.Muthuvalliappan,
Superintending Engineer (NH),
Chennai-106.

SIGNATURE OF CONTRACTOR.

SCHEDULE 'A'**SCHEDULE OF RATES AND APPROXIMATE QUANTITIES**

1. The quantities herein given are there upon which the estimate cost of the work is based, but they are subject to alterations, omissions, deductions or additions as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The Unit rates indicated will be modified after applying the tender percentage either above or below estimate rates and shall govern payment for extras or deductions for omissions according to the conditions of the contract, as set forth in the preliminary specifications of the standard specifications for roads and bridges with the **MORT&H** specifications and other condition of specifications of this contract.
2. It is to be expressly understood that the measured work is to be taken net (notwithstanding any custom or practice to the contrary) according to the actual quantities. When in places and finished according to the drawing, or as may be ordered from time to time by the Divisional Engineer and the cost calculated by measurement or weight at the respective prices, without any additional charge for any necessary or contingent work connected herewith. The rates quoted are for works in situ and complete in every respect.
3. The description given in Schedule-A are to indicate the item of work only and need not be construed as full specification. The quoted rate shall be for carrying out the item as per standards and specifications described in the relevant MORT&H specification. The contractor shall take no advantage of any apparent error or omission in the Schedule-A description.

Sd/- M.Muthuvalliappan,
Superintending Engineer (NH),
Chennai-106.

SIGNATURE OF CONTRACTOR.

SCHEDULE – ‘A’ TO ACCOMPANY THE TENDER SCHEDULE FOR THE WORK OF

“Widening from single lane to Double lane of Gudiyatham – Gadambur – Kailasagiri – Vaniyambadi Road 25/0 – 42/0 and Renewal in km 25/0 – 27/0, 29/0 – 30/6 & 31/4 – 39/0”.

Item No.	Probable Quantity	Description	MORT& H No.	Rate in		Unit in Words	Amount
				Words	Figures.		
1	2	3	4	5	6	7	8
1.	20400.00 Square metre	Clearing and grubbing road land including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm, removal of stumps of such trees cut earlier and disposal of unserviceable materials and stacking of serviceable materials to be used or auctioned, upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150mm in thickness as per Technical Specification.	111 112 201	Rupees one and paise fifty five only.	1-55	One Square metre	31620.00
2.	27702.50 Cubic metre	Earth work excavation in all classes of soil except soft rock not requiring blasting and hard rock requiring blasting and depositing on bank with all leads and lifts as per SS20B, including cost of all labour, equipments and all incidental charges such as trimming bottom of excavation etc., complete as per relevant standard specification for box cutting .	301	Rupees twenty eight and paise seventy five only.	28-75	One Cubic metre	7,96,446.88

No. of corrections :

No. of overwritings:

SIGNATURE OF CONTRACTOR.

Item No.	Probable Quantity	Description	MORT& H No.	Rate in		Unit in Words	Amount
				Words	Figures.		
1	2	3	4	5	6	7	8
3.	10900.00 Cubic metre	Providing and laying Granular sub-base on the prepared sub grade with approved granular materials of minimum CBR value 30, grade conforming to Table 400-1 of MOST including screening, spreading in uniform layer with motor grader, watering and premixing at optimum moisture content, compacting with power and vibratory rollers of 80 to 100KN static weight not less than 98% of the maximum laboratory dry density as per IS:2720 (part 8) and fine dressing to required grade and cross slope as shown on the drawing or as directed by the Engineer, including obtaining and transporting all materials from approved quarry to worksite with all lifts and lead by mechanical transport, head load or any other mode of transportation, including labour, tools, equipment, safety measures, testing and incidental necessary to complete the work as per technical specification and as directed by Engineer.	111 112 401 900	Rupees five hundred eighty four and paise eighty one only.	584.81	One Cubic metre	63,74,429.00

No. of corrections :

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Item No.	Probable Quantity	Description	MORT& H No.	Rate in		Unit in Words	Amount
				Words	Figures.		
1	2	3	4	5	6	7	8
4.	13625.00 Cubic metre	Providing, laying, spreading and compacting graded stone aggregate to Wet Mix Macadam specification including premixing the material with water at OMC in mechanical mix plant carriage of mixed material by tipper to site laying in uniform layers with pavers in sub base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density as per Technical Specification	111 112 406 900	Rupee nine hundred forty six and paise ninety six only.	946.96	One Cubic metre	1,29,02,330.00
5.	54500.00 Square metre	Providing and laying primer coat over WMM surface using 6kg of emulsion for 10 sqm area including cost and conveyance of bituminous emulsion including labour charges for preparing the surface and applying the required quantity of bituminous binder as primer coat by bituminous sprayer etc. complete as per specification.	111 112 502 900	Rupees twenty eight only.	28.00	One Square metre	15,26,000.00

No. of corrections :

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SIGNATURE OF CONTRACTOR.

Item No.	Probable Quantity	Description	MORT & H No.	Rate in		Unit in Words	Amount
				Words	Figures.		
1	2	3	4	5	6	7	8
6.	54500.00 Square metre	Providing and applying tack coat using emulsion with emulsion distributor at the rate of 0.25 kg/sqm on the prepared surface treated with primer and cleaned with hydraulic broom as per technical specification and as directed by the Engineer in charge.	111 112 503 900	Rupees ten and paise eleven only.	10.11	One Square metre	5,50,995.00
7.	2725.00 Cubic metre	Providing and laying Dense Graded Bituminous Macadam of 50 mm thick using course aggregate, filler and 60/70 grade Bitumen in proportions specified in the mixture and premixed in a central hot mix plant including screening sorting and spreading with self propelled mechanical paver, consolidating with vibratory roller of 80/100 KN static weight to achieve specified value of compaction, strength and surface accuracy and finishing to drawing or as specified by the Engineer including obtaining and transporting all materials from approved quarry to worksite with all lifts and leads by mechanical transport, head load or other mode of transport including labour tools, plants equipment safety measures testing and incidental necessary to complete the work as per standard specification.	111 112 507 900	Rupees four thousand eight hundred sixty and paise seventy only.	4860.70	One Cubic metre	1,32,45,407.50

No. of corrections :

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Item No.	Probable Quantity	Description	MORT & H No.	Rate in		Unit in Words	Amount
				Words	Figures.		
1	2	3	4	5	6	7	8
8.	101720.00 Square metre	Providing and laying Semi Dense Bituminous Concrete of 25mm thick using course aggregates, filler and 60/70 grade Bitumen, grading proportions as per job mix design criteria and as approved by the Engineer. The mixture is to be premixed in a central hot mix plant, screening, sorting and spreading with self propelled mechanical paver, consolidating with power and vibratory roller of 80/100 KN static weight to achieve specified value of compaction, strength and surface accuracy and finishing to the required grade, lines and cross sections as specified by the Engineer including obtaining and transporting all materials from approved quarry to worksite with all lifts and leads by mechanical transport, head load or other mode of transport including labour tools, plants, equipment, safety measures testing and incidental necessary to complete the work as per standard specification.	111 112 508 900	Rupees one hundred thirty one and paise forty six only.	131.46	One Square metre	1,33,72,111.20

No. of corrections :

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SIGNATURE OF CONTRACTOR.

Item No.	Probable Quantity	Description	MORT&H No.	Rate in		Unit in Words	Amount
				Words	Figures.		
1	2	3	4	5	6	7	8
9.	48330.80 Square metre	Providing and applying tack coat with bitumen emulsion using emulsion distributor at the rate of 0.25 kg/sqm on the existing BT surface and cleaned with hydraulic broom as per technical specification and as directed by the Engineer in charge.	111 112 503 900	Rupees Eleven and paise seventy six only.	11.76	One Square metre	5,68,370.21
10.	1110.80 Square metre	Providing laying open graded premix carpet of 20mm thick with seal coat type A using 0.18 cum of 13.20 mm IRC metal and 0.09 cum of 11.2mm IRC metal with 14.60 kg/10 sqm of bitumen of grade 80/100 for premix carpet and 0.09 cum of 6.70 mm metal with 9.80kg of 80/100 Bitumen for seal coat type A including cost and conveyance of all material including cost of bitumen and mixing in central hot mix plant including hire charge and labour at all other incidental charges etc., complete for patches.	111 112 511 513 900	Rupees one hundred twenty three and paise six only.	123.06	One Square metre	1,36,695.05

No. of corrections :

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SIGNATURE OF CONTRACTOR.

Item No.	Probable Quantity	Description	MORT & H No.	Rate in		Unit in Words	Amount
				Words	Figures.		
1	2	3	4	5	6	7	8
11.	7200.00 Cubic metre	Construction of sub grade and earthen shoulders with approved materials obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirements of Table 300-2 with lead upto additional 1000m as per technical specification.	305	Rupees thirty six and paise fifty one only.	36.51	One Cubic metre	2,62,872.00
12.	23760.00 Cubic metre	Construction earthen shoulders with approved materials obtained from cut earth available from box cutting with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirements of Table 300-2 with lead upto additional 1000m as per technical specification.	111 112 305 900	Rupees seven and paise sixty six only.	7.66	One Cubic metre	1,82,001.60

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Item No.	Probable Quantity	Description	MORT& H No.	Rate in		Unit in Words	Amount
				Words	Figures.		
1	2	3	4	5	6	7	8
	Construction of Retaining wall at km						
	25/2 (L), 25/8 (R)(L), 26/2 (L), 28/2 (R)						
13.	660.00 Cubic metre	Earthwork excavation in all classes of soils except hard rock requiring blasting and depositing on bank with all leads and lifts as per SS20B including cost of all labour , equipments and all incidental charges such as baling out water ,providing and maintaining necessary cofferdams, sheeting, shoring and bracing and their subsequent removal, removal of all logs, stumps and other deleterious matter and obstructions, trimming bottom of excavation back filling, clearing the site and disposal of all surplus materials etc., complete as per relevant standard specification for foundation	111 112 304	Rupees forty three and paise seventy five only.	43.75	One Cubic metre	28875.00

No. of corrections :

No. of overwritings:

SIGNATURE OF CONTRACTOR.

Item No.	Probable Quantity	Description	MORT & H No.	Rate in		Unit in Words	Amount
				Words	Figures.		
1	2	3	4	5	6	7	8
14.	165.00 Cubic metre	Filling with sand to required thick including cost and conveyance of all materials to site from approved source and satisfying the standard specification and all labor charges for filling in layers, compacting, ramming to obtain the maximum density by watering with all leads for water including all other incidental charges etc. complete.		Rupees two hundred and twelve and paise ninety eight only.	212.98	One Cubic metre	35141.70
15.	82.50 Cubic metre	Cement concrete 1:3:6 (one cement three sand six hard broken stone) using 40 mm ISS HBG stone jelly for foundation including watering wherever necessary and laid in layers not morethan 15 cm thick including compating etc., complete complying with standard specification and as directed by the departmental officers etc., complete.	1000 1500 1700 2100	Rupees two thousand and twenty and paise thirty four only.	2020.34	One cubic metre	166678.05

No. of corrections :

No. of overwritings:

SIGNATURE OF CONTRACTOR.

Item No.	Probable Quantity	Description	MORT & H No.	Rate in		Unit in Words	Amount
				Words	Figures.		
1	2	3	4	5	6	7	8
16.	915.63 Cubic metre	Random Rubble masonry in cement mortar 1:5 mix using good rough stones and bond stones of proper size with simultaneous pointing including cost and conveyance of all materials from approved sources to work site including cost of cement including all labour charges cost of curing with all leads for good water including all other incidental charges etc., complete as per standard specification.	1400	Rupees one thousand four hundred and fifty four and paise thirty six only.	1454.36	One Cubic metre	13,31,655.65

No. of corrections :

No. of overwritings:

SIGNATURE OF CONTRACTOR.

Item No.	Probable Quantity	Description	MORT & H No.	Rate in		Unit in Words	Amount
				Words	Figures.		
1	2	3	4	5	6	7	8
	Reconstruction of CD Works at Km 25/6, 26/2, 27/4, 27/6, 31/2.						
17.	389.08 Cubic metre	Earthwork excavation in all classes of soils except hard rock requiring blasting and depositing on bank with all leads and lifts as per SS20B including cost of all labour , equipments and all incidental charges such as baling out water ,providing and maintaining necessary cofferdams, sheeting, shoring and bracing and their subsequent removal, removal of all logs, stumps and other deleterious matter and obstructions, trimming bottom of excavation back filling, clearing the site and disposal of all surplus materials etc., complete as per relevant standard specification for foundation	111 112 304	Rupees forty three and paise seventy five only.	43.75	One Cubic metre	17022.25

No. of corrections :

No. of overwritings:

SIGNATURE OF CONTRACTOR.

Item No.	Probable Quantity	Description	MORT& H No.	Rate in		Unit in Words	Amount
				Words	Figures.		
1	2	3	4	5	6	7	8
18.	200.42 Cubic metre	Filling with quarry dust to required thick including cost and conveyance of all materials to site from approved source and satisfying the standard specification and all labor charges for filling in layers, compacting, ramming to obtain the maximum density by watering with all leads for water including all other incidental charges etc. complete.		Rupees one hundred and twenty four and paise forty nine only.	124.49	One Cubic metre	24,950.29
19.	42.28 Cubic metre	Vibrated Cement Concrete of M15 grade (Nominal mix 1:2:4) using 40mm ISS size HBG metal including cost and conveyance of all materials to site including cost of cement formwork, soft water,labour charges for mixing, transporting, laying and curing concrete, working at depth, tools and plants and maintaining of protective bunds, cofferdams, shoring, strutting etc., complete as per relevant standard specification for foundation.	1000 1500 1700 2100	Rupees two thousand five hundred and twenty and paise seventy two only.	2520.72	One Cubic metre	1,06,576.04

No. of corrections :

No. of overwritings:

SIGNATURE OF CONTRACTOR.

Item No.	Probable Quantity	Description	MORT&H No.	Rate in		Unit in Words	Amount
				Words	Figures.		
1	2	3	4	5	6	7	8
20.	147.39 Cubic metre	Vibrated Cement Concrete of M15 grade (Nominal mix 1:2:4) using 40mm ISS size HBG metal including cost and conveyance of all materials to site including cost of cement formwork, soft water, labour charges for mixing, transporting, laying and curing concrete, working at depth, tools and plants and maintaining of protective bunds, cofferdams, shoring, strutting etc. ,complete as per relevant standard specification for Body walls.	1000 1500 1700 2100	Rupees two thousand six hundred and sixty four and paise fifty eight only.	2664.58	One Cubic metre	3,92,732.45

No. of corrections :

No. of overwritings:

SIGNATURE OF CONTRACTOR.

Item No.	Probable Quantity	Description	MORT&H No.	Rate in		Unit in Words	Amount
				Words	Figures.		
1	2	3	4	5	6	7	8
21.	16.00 Cubic metre	Vibrated Cement Concrete of M15 grade (Nominal mix 1:2:4) using 20mm ISS size HBG metal including cost and conveyance of all materials to site including cost of cement formwork, soft water, labour charges for mixing, transporting, laying and curing concrete, working at depth, tools and plants and including all other incidental charges etc; complete as per relevant standard specification for	1000 1500 1700 2200	Rupees two thousand eight hundred and sixty two and paise seventy six only.	2862.76	One Cubic metre	45,804.16
22.	125.00 Running metre	Supply of RCC NP3 ISI Class pipes and collars of 900mm dia of standard length and cut lengths including cost and conveyance to the worksite and all other incidental charges etc. complete.	2900	Rupees two thousand and six hundred only.	2600.00	One Running metre	3,25,000.00

No. of corrections :

No. of overwritings:

SIGNATURE OF CONTRACTOR.

Item No.	Probable Quantity	Description	MORT&H No.	Rate in		Unit in Words	Amount
				Words	Figures.		
1	2	3	4	5	6	7	8
23.	125.00 Running metre	Hoisting and fixing of 900mm dia pipes and collars to proper gradient including all labour charges and all other incidental charges etc. complete.	2905 2906	Rupees Sixty five only.	65.00	One Running metre	8,125.00
24.	154.89 cubic metre	Dismantling and removing stone / brick masonry in Cement Mortar and clearing away from the work site and carefully stacking the useful materials for reuse on the road side as directed by the departmental officers including all labour and incidental charges etc. complete.	202	Rupees Sixty six only	66.00	One Cubic metre	10,222.74

No. of corrections :

No. of overwritings:

SIGNATURE OF CONTRACTOR.

Item No.	Probable Quantity	Description	MORT&H No.	Rate in		Unit in Words	Amount
				Words	Figures.		
1	2	3	4	5	6	7	8
25.	49.20 Running metre	Dismantling the existing Reinforced Cement Concrete pipes in all dimensions and stacking the useful materials for reuse on the road side as directed by the departmental officers including all labor land incidental charges etc. complete.	202	Rupees fifty only	50.00	one Running Metre	2460.00
26.	6.14 Cubic Meter	Dismantling and Removing cut stone slab and stacking useful material as directed by the departmental officers including all labor land incidental charges etc. complete	202	Rupees two hundred and seventy five only.	275.00	One Cubic metre	1688.50

Total Rs.5, 24, 46, 210.21

or

Rs.5, 24, 46, 210 /-

(Rupees Five Crores Twenty Four Lahks Forty Six Thousand Two Hundred and Ten Only)

No. of corrections :

No. of overwritings:

SIGNATURE OF CONTRACTOR

Sd/- M.Muthuvalliappan,
Superintending Engineer (NH),
Chennai-106.

SCHEDULE-B

- 1) KEY MAP/ INDEX MAP

SCHEDULE-C

- 1) Descriptive specification Report
- 2) Descriptive source of materials and lead statement.
- 3) Special conditions of contract.

No. of corrections:

No. of overwritings:

Sd/- M.Muthuvalliappan,
Superintending Engineer (NH),
Chennai-106.

Signature of contractor.

SPECIFICATION REPORT TO ACCOMPANY THE TENDER FOR THE WORK OF Widening from single lane to Double lane of Gudiyatham – Gadambur – Kailasagiri – Vaniyambadi Road 25/0 – 42/0 and Renewal in km 25/0 – 27/0, 29/0 – 30/6 & 31/4 – 39/0.

INTRODUCTION

The Gudiyatham – Gadambur – Kailasagiri – Vaniyambadi Road is a State Highways (SH 130) in Vellore District connecting Industrial Towns such as Gudiyatham, Gadambur, Kailasagiri, Vaniyambadi with Tirupathi and Chittoor Town in Andrapradesh State and Ambur, Vellore, Tiruvannamalai Town in Tamil Nadu. Moreover a sugar mill is situated in Ambur Town. Most of the sugar cane Vehicles are plying on this road and this SH having a carriageway width of 3.75m only. The Traffic in this road is often interrupted during Peak Hours and hence it is necessary to widen this road to two lane.

LOCATION

This stretch start from the industrial town Gudiyatham and ends at the Tannery Town Vaniyambadi. The proposed widening stretch starts from Km 25/0 near Umarabad village and ends at Km 42/0 in Velayendram.

EXISTING FEATURES

The existing carriageway width is 3.75m through out in Km 25/0-42/0. Traffic Census has been conducted by Highways sub division during the year 2008 at Km 22/6. The total commercial vehicle is 868nos per day. From the above CVD, the MSA for 5 years design life is 5.58 MSA and for 15 years is 25.10 MSA. However 15 years of design life is carried for base course and 5 years for wearing course by adopting stage construction.

PROPOSAL

The CBR test for subgrade has been conducted and adopted for pavement design and has been designed as per IRC 37 – 2001. The thickness of the surfacing has been designed for 5 years and thickness of the base and sub base designed for 15 years

PROVISIONS :

The following provisions are made in the widening portions.

- 1) Earth work excavation.
- 2) Granular Sub Base
- 3) WMM
- 4) Patchwork with premix carpet and seal coat type A using 80/100 bitumen
- 5) Tack coat over granular surface treated with primer coat using 6kg of emulsion for 10sqm
- 6) Tack coat over primer coat and over existing BT surface (for patches) using 2.5kg of Emulsion for 10sqm area.
- 7) Dense Bituminous Macadam of 50mm thick using 60/70 Grade bitumen
- 8) SDBC using 60/70grade bitumen to 25mm thick.
- 9) Filling the berms with available cut earth
- 10) Construction of sub grade and earthen shoulders with approved materials

CROSS DRAINAGE WORKS

The damaged old non standard narrow and weak culverts are proposed to be replaced with RCC pipe culverts with NP class III pipes of 900mm dia.

Sl. No.	Location	Type of culvert	No. of span/rows	width of span/pipe	Condition	Proposal
1.	25/4	Pipe	single	0.9m	Good	---
2.	25/6	Pipe	single	0.9m	Damaged	1x0.9m pipe
3.	25/10(i)	Pipe	Double	0.9m	Good	---
4.	25/10(ii)	Pipe	Four	0.75m	Good	---
5.	26/2	Rcc Slab	Double	0.75m	Damaged	2x0.9m pipe
6.	26/4	Pipe	single	1.0m	Good	---
7.	27/4	Pipe	There	0.75m	Damaged	2x0.9m pipe
8.	27/6	Pipe	single	0.75m	Damaged	2x0.9m pipe

9.	29/8	RCC Slab	single	1.0m	Good	---
10.	30/10	Cut Stone	single	1.0m	Good	---
11	31/2(i)	Cut Stone	single	1.2m	Good	---
12.	31/2(ii)	Cut Stone	Double	1.2m	Damaged	3x0.9m pipe
13.	40/4	Cut Stone	single	1.2m	Good	---
14.	41/2	Cut Stone	single	1.2m	Good	---

ROAD FURNITURE :

Provision for road marking with hot applied thermoplastic compound with reflectorising glass beads for 2.5mm thickness has been provided for the centre line as per IRC 35, Code of practice for Road Marking with Paints, Road Studs, Cautionary and information Sign Board along with delineators are also proposed.

The work on sanction will be carried out as per MORT & H specification and other circular instructions of higher authorities issued from time to time.

Sd/- M.Muthuvalliappan,
Superintending Engineer (NH),
Chennai-106.

Signature of contractor.

**Widening from single lane to Double lane of Gudiyatham – Gadambur – Kailasagiri – Vaniyambadi
Road 25/0 – 42/0 and Renewal in km 25/0 – 27/0, 29/0 – 30/6 & 31/4 – 39/0.**

DESCRIPTIVE LEAD STATEMENT

Description of Materials									
	40mm, 20mm, 12mm, ISS HBG metal, 63mm, 53mm, 45mm, 26.5mm, 22.40mm, 13.2mm, 11.2mm, 6.7mm, 5.6mm & 2.8mm IRC size HBG metal and quarry dust.			Gravel		Sand		Bitumen & bitumen emulsion and Cement	
Sl. No.	Reach in km	Source	Lead in km	Source	Lead in km	Source	Lead in km	Source	Lead in km
1	25-26	Durgam Hill Quarry	5	Road Site Quarry	1	61/6 of NH46	17	To be procured by the contractor and use them in the work.	
2.	26-27	„	6	„	1	„	18		
3.	27-28	„	7	„	1	„	19		
4.	28-29	„	8	„	1	„	20		
5.	29-30	„	7	„	1	„	21		
6.	30-31	„	6	„	1	„	22		
7.	31-32	„	5	„	1	„	23		
8.	32-33	„	5	„	1	„	24		
9.	33-34	„	6	„	1	„	25		
10.	34-35	„	7	„	1	„	26		
11.	35-36	„	8	„	1	„	27		

12.	36-37	”	9	”	1	”	28	
13	37-38	”	10	”	1	”	29	
14.	38-39	”	11	”	1	”	30	
15.	39-40	”	12	”	1	”	31	
16.	40-41	”	13	”	1	”	32	
17.	41-42	”	14	”	1	”	33	

Sd/- M.Muthuvalliappan,
Superintending Engineer (NH)
Chennai-106.

Signature of contractor.

SPECIAL CONDITIONS OF CONTRACT

The special conditions described hereunder shall have the meaning and intent out hired in clause 107-05 of P.S. to S.S.R.B. The contractor's quoted rate shall be inclusive of all the elements and costs required to comply with them. The special conditions comprise of two parts viz. I) Technical specification and II) Commercial conditions.

I. TECHNIAL SPECIFICATION:

General :

Part I :

The entire works, as described in Scope of Work ("General Conditions of Contracts") shall be done in accordance with the Technical specifications. These technical specification shall comprise the following "Specification for Road and Bridge Works" Fourth Revision-2001 and the corrigendum published at New Delhi by Indian Roads Congress on behalf of Government of India, Ministry of Road Transport and Highways, and shall be deemed to be bound into this document and becomes part and parcel of the agreement.

Part II :

In the absence of any definite provisions on any particular issues in the aforesaid specification, reference may be made to the latest IRC Codes of practice, I.S. specifications and SSRB in that order. Wherever these are silent, the construction and completion of the works shall conform to sound engineering practice and, in case of any dispute arising out of the interpretation of the above, the decision of the Engineer-in-charge shall be final and binding on the Contractor. These shall be deemed to be bound to this document and becomes part and parcel of the agreement.

SUPPLEMENTARY SPECIFICATIONS

Shall comprise various substitute. Modified and Additional Clauses to the "Specification for Road and Bridge Works" referred to in Part I (to cover specific aspects of the particular works not covered by the same) and accordingly, the said specification so amended shall form part of the contract.

A substitute clause as indicated by the suffix 'S' is an amendment of a clause in Part-I – General Specification and supersedes the whole of that clause. Then any reference to the superseded clause shall be deemed to refer to the substitute clause.

SIGNATURE OF CONTRACTOR.

A modified clause as indicated by the Suffix 'M' shall be read as a partial amendment to the cited clause in Part-I – General Specification and shall include provisions supplementing those of Part-I – General specification.

In so far as any substitute, modified and additional clause may conflict or be inconsistent with any of the provisions of Part-I – General Specification under reference, the substitute, modified and additional clause shall always prevail.

Words like 'Contract', 'Contractor', 'Drawing', 'Works', 'Site', 'Provisional Sum' used in the above mentioned specification shall be deemed to have the same meaning as understood from the definition of these terms in and as included in the General Conditions of Contract.

SUPPLEMENTARY SPECIFICATIONS FOR STRUCTURES

The following list shows the clauses of Part-I which are either substituted or modified or added :

Substituted clauses	112.1, 112.2, 112.3, 1006, 1009.3, 2901 to 2905, 2908 to 2911.
Modified Clauses	112.4, 112.5, 112.6, 1009.3, 1010, 1209, 1716.2.5(a), 2005.1, 2005.2, 2602 (c).
Added clauses	103, 109.8, 120.7, 304.3.7, 305.2.2.2, 305.3, 1012.1, 1507, 1710, 1712, 1714, 1716, 1802.1, 1802.2, 1807, 1809.5, 2005.1. 2501, 2501.2.3, 2600.
New Clauses	1816, 2211, 2912.

SIGNATURE OF CONTRACATOR.

II. COMMERCIAL CONDITIONS:

- 1.1 Steel and Cement will not be supplied by the department. The contractors have to procure the same and use it on the work.
- 1.2 Steel conforming to standards and specifications shall be procured.
- 1.3 The Cement should be procured in lot from the authorized dealers and should not be purchased locally in piecemeal.
- 1.4 The contractors have to produce the Test Certificate confirming to I.S. and other accepted Codes and standards in support of the quality of materials procured. If the materials are found to be substandard or not confirming to the prescribed test standards, the same will be rejected without any claim for damages whatever.
- 1.5 The quoted rate shall be inclusive of cost of steel and cement conveyance, handling and storage charges and other requisites as contained in clause 103-04 of P.S. to S.S.R.B.
- 2.1 The bitumen and bitumen emulsion required for use in the work will not be supplied by the department.
- 2.2 The contractor has to procure the bitumen of appropriate grade and emulsion as per specification required for the items of work as per Standard Specification and use it on the work.
- 2.3 The quoted rate shall be inclusive of cost of bitumen, bitumen emulsion conveyance and handling and storage charges and other requisites as contained in Clause 103-04 of PS to SSRB.
- 2.4 All the requisite tests to ensure quality of bitumen have to be carried out before acceptance and certified.
- 2.5 RCC pipes confirming to IS 458 has to be procured by the contractor and used on the work. The quoted rates inclusive of cost of pipes, conveyance, handling charges and other requisites as contained in clause 103-04 of PS to SSRB.
- 2.6 The contractor has to produce inspection and test certificate as given by the Director General, Supplies and Disposal for the standard and quality of pipes. Otherwise the pipes will be rejected.
3. All the provisions contained in Cl.107 of PS to SSRB in regard to quality of materials and control of work shall be applicable and enforced.
- 4.1 The contractor shall be responsible to make good and remedy at his own cost any defect which may develop or may be noticed and intimation of which has been sent to the contractor by a letter sent by hand delivery or by registered post before the expiry of a period of 36 (thirty six) months (hereinafter referred to as defects liability period) from the completion of whole of the work, for major works like formation of road including metalling and black topping.

Signature of Contractor.

- 4.2 In the event of the contractor failing to rectify the defect or damages within the period specified by the Engineer-in-Charge in his notice aforesaid, the Engineer-in-charge may rectify or remove and re-execute the work and/or remove and replace with other materials or articles complained of, as the case may be, by or other means at the risk and expense of the contractor.
- 4.3 At the time of making final payment for major works like formation of road including metalling and black topping 2 ½ % of the total value of work done shall be retained by the department. This amount will be refunded to the contractor on the expiry of one year reckoned from the date of completion of work provided that the contractor execute an indemnity bond for a further period of two years indemnifying the government against any loss or expenditure incurred to rectify any defect noticed due to faulty workmanship by the contractor or substandard materials used by the contractor.
- 4.4 For major & minor bridge work 2 ½ % of the total amount shall be retained by the department for two years. After two years the amount will be refunded to the Contractor on production of indemnity bond for a further period of three years.
- 4.5 Making final payment shall not discharge or release the contractor from his responsibilities and liabilities under the contract.
5. In case, when the departmental tools and plants are hired to the contractors in places of work where the standard schedule of rates of Public Works Department allow extra special tract percentage, the hire charges will be enhanced by the corresponding extra percentage and recovered from the contractor.
6. Without limiting his obligations and responsibilities under the contract, the contractor shall insure in the joint name of the government and the contractor against all loss or damage from whatever cause (other than the excepted risks) for which he is responsible under the terms of contract and in such a manner that the Government and the contractor are covered during the period of construction of the works and defects liability period for
 - i) the works and temporary works to the full value of such works executed from time to time.
 - ii) the materials, constructional plant and other things brought to site by the contractor to the full value of such materials, constructional plants and other things.
 - iii) price Adjustment:- The contract price shall be adjusted for increase or decrease in rates and price of labour, materials, fuel and lubricants in accordance with the principles and procedures as per the guidelines issued in G.O.Ms.No.60, Public Works (G2) Department dt.14.3.2008 and subsequent instructions of clarifications issued from Government then and there and will be applicable for this work for the contract with agreement period is above six months.

SIGNATURE OF CONTRACATOR.

7. Any amount due from the contractor which he has failed to remit after the notice from the Engineer shall be caused to be recovered under Tamil Nadu Revenue Recovery Act as if it was an arrear of land revenue.
8. The tenderer who are themselves not professionally qualified shall undertake to employ qualified Technical men at their cost to look after the work according to the scale indicated below. In case, the tenderer is professionally qualified, he must employ technical men to meet the norms besides himself. The tenderers should state in clear terms whether they are professionally qualified or whether they undertake to employ Technical Assistants required by the department as specified in the schedule below for the work. In case the selected tenderer is professionally qualified or has undertaken to employ technically qualified personnel under him, he shall see that one of the Technically qualified men is always present at the site of the work while the work is in progress personally checking all the items of works and paying extra attention to such works as may demand special attention (i.e.) bituminous courses R.C.C. etc.

Above Rs.5.00 lakhs Upto Rs.10.00 lakhs	One B.E. Civil (or) equivalent Degree hold with three years experience in Civil Engineering or) not less than One Retired Sub-Divisional Officer/Assistant Executive Engineer (or) Assistant Divisional Engineer.
Above Rs.10.00 lakhs Upto Rs.25.00 lakhs	One B.E. Civil Engineering with three years experience (or) one Retired Sub-Divisional Officer plus One Diploma Holder in Civil Engineering or two Diploma holders in Civil Engineering with three and five years experience respectively.
Above Rs.25.00 lakhs Upto Rs.50.00 lakhs.	One B.E. Civil (or) equivalent Degree holder with three years experience or not less than One Retired Sub-Divisional Officer/Assistant Executive Engineer plus two diploma holders in Civil Engineering or two retired Junior Engineer. (ALTERNATIE) One B.E. Civil (or) equivalent Degree holder with three years experience or not less than one retired Sub-Divisional Officer and one more B.E. (Civil) or equivalent degree holder.
Above Rs.50.00 lakhs	Two B.E. Civil (or) equivalent Degree holder with three years experience in Civil Engineering works or two retired Sub-Divisional Officer (Assistant Executive Engineer or Assistant Divisional Engineers) from Government Service or any autonomous body. Plus two diploma holders in Civil Engineering with three and five years experience respectively.

SIGNATURE OF CONTRACTOR.

If the tenderer fails to employ the Technical men as indicated above for the works, penalty shall be levied during the period of such non-employment of technical men.

A penalty of Rs.5000/- per month for Diploma holder and Rs.10,000/- per month for degree holder be levied in case of default on the part of the contractor in following the norms mentioned above.

Notes:

In case, the contractor who is professionally qualified is not in a position to remain always at the site of the work for checking of all items of work and paying extra attention to such works as may demand extra special attention (i.e) bituminous courses, reinforced concrete work etc., he should employ technically qualified men (as prescribed) for the work.

It will not be incumbent on the part of the contractor to employ Technical Assistant/Assistants when the work is kept in abeyance due to valid reasons and if during such period in the opinion of the **Divisional Engineer (NH)** the employment of Technical Assistant/Assistants is not required for the due fulfillment of the contract.

9. Income Tax at 2% of the bill amount will be recovered from all interim bills and final bill of the contractor or at such rates which the government may be notification fix from time to time.
10. VAT at 2%/4% of the bill amount will be recovered from all interim bills and final bill of the contractor or at such rates which the government may by notification fix from time to time.
11. In case of any dispute or difference between the parties to the contract either during the progress or after the completion of the work or after the determination/ abandonment of the contract or any matter arising thereunder and if the claims value exceeds Rs.2.00 lakhs (Rupees Two lakhs only) the same shall be settled by filing a civil suit before a Civil Court having jurisdiction for decision. If the claims monetary value is less than Rs.2.00 lakhs (Rupees Two lakhs only) the dispute shall be referred for arbitration to a sole Arbitrator. **The Superintending Engineer (NH), Madurai Circle** or his successor in his office shall be the Arbitrator for this purpose. The arbitration proceedings will be governed by Arbitration and Conciliation Act 1996.

SIGNATURE OF CONTRACTOR.

12. In the event of the work being transferred to any other Division or Circle, the Divisional Engineer or Superintending Engineer who will be incharge of the Division/Circle having jurisdiction over the work shall be competent to exercise all the powers and privileges reserved in favour of the Government.
13. **PROTECTION AND RESTORATION OF PROPERTY**
The Contractor shall restore at his expenses properties such as wires, cables, water pipes, gas pipes, meters and accessories conduits etc., damaged by the Contractor within adjoining the right of way within 48 hours from the notice given in writing and the engineering may proceed as may be deemed necessary protecting the interest of the department.
14. The Contractor should not engage child labour (below the age of 16 years) in the execution of works if the Contractor engage child labour, the work contract assigned to him shall be cancelled and such contractor shall be black listed for 3 years.

Sd/- M.Muthuvalliappan,
Superintending Engineer (NH),
Chennai-106.

SIGNATURE OF THE CONTRACTOR

**Condition for claims of Contractor on account of losses due to
unprecedented floods and other acts of God.**

The contractor should arrange to insure the work as risk insurance of their cost against any losses due to damage of nature calamities like unprecedented floods, cyclone, fire, lightning, earth quakes, volcanic eruption and other convulsion of nature.

The Government will not be responsible for such losses and the Government is not liable to pay any compensation towards such loss sustained by the contractor.

From Commencement to completion and upto the expiry of observation period, the work shall be under the charge and care of the contractor and the contractor shall take full responsibility for the care thereof and for taking precautions to prevent loss or damage and shall be liable for any damage or loss that may happen to the works or any part including the departmental tools and plant thereof from any cause whatsoever and shall at his own cost repair and make good the same so that at completion and expiry of observation period, the work shall be in good condition and in conformity in every respect with the requirements of the contract and instructions of Engineer.

(G.O. Ms. No.620/TD dt.27.07.1978 and amendment issued in G.O.Ms.No.742/TD dt.27.06.1983).

Sd/- M.Muthuvalliappan,
Superintending Engineer (NH),
Chennai-106.

SIGNATURE OF THE CONTRACTOR

SCHEDULE – D

Applicable to all cases of works other than those relating to roads, channels canals where a minimum of fifty workers are employed.

Rules for the provisions of health and sanitary arrangements for workers.

The contractor's special attention is invited to clause 108-11 of the P.S. to SSRB and he is requested to provide at his own expenses the following amenities to the satisfaction of Divisional Engineer.

1. FIRST AID:

At the worksite, there shall be maintained at an accessible place first aid appliances and medicines including adequate supply of sterilized dressing and sterilized cotton wool. The appliances shall be kept in good order. They shall be placed under the charge of responsible person who shall be readily available during working hours.

2. DRINKING WATER:

- A. Water of good quality fit for drinking purposes shall be provided for the workers on the scale of not less than 3 gallons per head per day.
- B. Where drinking water is obtained from intermittent public water each work site shall be provided with storage tank where such drinking water shall be stores.
- C. Every water supply storage shall be at a distance of not less than 50m from any latrine drain or other sources of pollutions where water has to be drawn from an existing well, which is within such proximity of any latrine drain or other sources of pollutions. The well shall be properly chlorinated before water is drawn from it for drinking. All such wells shall be entirely closed and provided with a trap door which shall be dust and water proof.
- D. A reliable pump shall be fitted to each inner well. The trap door shall be kept locked and opened duly for inspection and cleaning which shall be done atleast once a month.

3. WASHING AND BATHING PLACES:

Adequate washing and bathing places shall be provided separately for men and women. Such places shall be kept clean and well drained. Bathing and washings should not be allowed nearby any drinking water well.

SIGNATURE OF CONTRACTOR.

4. LATRINES AND URINALS :

There shall be provided within the premises of every worksite, latrines and urinals in accessible places and the accommodation separately for each of them shall be on the following scale or on the scale directed by the Divisional Engineer in any particular case.

- | | | | |
|----|--|---|---------|
| A. | Where the No. of persons employed does not Exceed 50. | : | 2 seats |
| B. | Where the No. of persons employed exceed 50 but does not exceed 100. | : | 3 seats |
| C. | For every additional hundred | : | 3 seats |

If women are employed separately, latrine and urinals screened from those for man shall be provided on the same scales. Except in worksite provided with water flushed latrines connected with a water borne sewage system, all latrines shall be provided with respectable on dry earth system which shall be cleaned atleast four times daily and atleast twice during working hours and kept in a strictly sanitary condition, the excreta from the latrines shall be disposed off at the contractor's expenses in out work pits approved by the local public Health authority. The contractor shall also employ adequate number of scavengers and conservancy staff to keep the latrines and urinals in a clean condition.

5. SHLETERS DURING REST

At the worksite there shall be provided free of cost two suitable sheds one for meals and other for rest for the use of workers.

6. CRECHES:

At every worksite at which 50 or more women workers are ordinarily employed there shall be provided two huts of suitable size for the use of children under the age of five years belonging to each women (one hut shall be used for infants, games and play and the other as their bed room). The huts shall not be constructed on a standard not lower than the following.

- i) Thatched roofs (ii) Mud floors and walls (iii) planks spread over the mud floor and covered with matting. The use of the huts shall be restricted to children their attendants and mothers of the children.

SIGNATURE OF CONTRACTOR.

7. CANTEENS:

A cooked food canteen on moderate scale shall be provided for the benefit of workers if it is considered expedient.

8. SHEDS FOR WORKERS:

The contractor shall provide at his own expenses sheds for housing the workers. The shed shall be on a standard not less than cheap shelter type to live in which the workers in the locality are accustomed. A floor area at about 6'x5' for two person shall be provided. The sheds are to be in row with 5' clear space between sheds and 50' clear space between rows if condition permit. The workers camp shall be laid but in units of 400 persons each unit of area clear space of 40' on each side. On completion of the work, the contractor should dismantle the temporary hutments and remove the same at this cost and no labour or huts allowed to continue.

Sd/- M.Muthuvalliappan,
Superintending Engineer (NH),
Chennai-106.

SIGNATURE OF THE CONTRACTOR