

GOVERNMENT OF MAHARASHTRA

PUBLIC WORKS DEPARTMENT

MUMBAI REGION

THANE (P.W.) CIRCLE, THANE

P


FORM

[VOLUME - III]

**FOUR LANING OF WADA BHIWANDI ROAD SH
NO. -35 (KM. 49/000 TO 89/070) & MANOR WADA
ROAD SH NO. 34 (KM. 29/550 TO 53/800) IN
TALUKA WADA / BHIWANDI / PALGHAR DIST
THANE**

**EXECUTIVE ENGINEER
THANE (P.W.) DIVISION
THANE**

Concessionaire


Engineer-in-Charge


GOVERNMENT OF MAHARASHTRA

INDEX

Name of Work:- Four Laning of Wada Bhiwandi road SH. No. 35 (Km. 49/000 to 89/070) & Manor Wada road SH No. 34 (Km. 29/550 to 53/800) in Taluka Wada / Bhiwandi / Palghar Dist Thane

NAME OF ITEM		PAGE NO.
1)	PREAMBLE	3
2)	BID LETTER	5
3)	DETALS OF PROJECT COST	8
4)	FINANCIAL DETAILS OF PROPOSAL	12
5)	YEARLY TOLL COLLECTION BY DIFFERENT MODES	14
6)	EXPECTED EXPENDITURE DURING CONCESSION PERIOD	16
7)	CASH FLOW PROJECTION	18


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1. PREAMBLE

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PREAMBLE

Name of Work:- **Four Laning of Wada Bhiwandi road SH. No. 35 (Km. 49/000 to 89/070) & Manor Wada road SH No. 34 (Km. 29/550 to 53/800) in Taluka Wada / Bhiwandi / Palghar Dist Thane**

1. The Scope of work shall be read in conjunction with the instruction to Bidders, General and Special conditions of contract, Technical Specifications, drawings etc.

2. The specification numbers stated in the detailed description of items of works (Schedule-L) in Volume-IV against each item are indicated for guidance of the Bidders. However, any of the specification included in Schedule-L of Volume-IV and / or any other specifications from Volume IV Section – “Technical Specifications” which in the opinion of the Engineer are applicable for a particular item is deemed to have been included in the scope of item and fully covered by the amounts quoted in form 2 of Volume-III. In case of any discrepancies between provisions stated in the description of individual items and those covered by the technical specifications / drawings, the provisions in the description of item shall have preference.
3. Bidders shall submit offers that comply with requirements of bidding documents, including basic Technical design as indicated in the drawing and specifications.
4. The bidders shall quote the detailed project cost as per form 2 in Volume-III in Indian Rupees only.


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2. BID LETTER

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FORMS FOR SUBMISSION OF BID -BID LETTER

Name of the project:- **Four Laning of Wada Bhiwandi road SH. No. 35 (Km. 49/000 to 89/070) & Manor Wada road SH No. 34 (Km. 29/550 to 53/800) in Taluka Wada / Bhiwandi / Palghar Dist Thane.**

To,
**The Superintending Engineer,
Thane (P.W.) Circle, Station Road,
Thane - Pin-400 601**

1. Having examined the Conditions of Contract, Specifications, Drawings and Addenda for the execution of the above named work within the time specified, we, the undersigned, offer to execute and complete such Works and remedy any defects there in conformity with the Conditions of Contract, Specifications, Design, Drawings, Scope of work and Addenda for the

Concession periodyears.....months.....days.
2. We acknowledge that the Volume I, Volume II, Volume III and Volume IV together with any addendum and common set of deviations thereto form part of Bid.
3. We undertake, if our bid is accepted, to commence the work as soon as is reasonably possible after the receipt of the Notice to commence (Work- Order), and to complete the whole of the Works comprised in the contract within the time stipulated.
4. We agree to abide by this bid for the validity period stipulated in the bidding documents and the bid shall remain binding upon us and may be accepted at any time before the expiry of validity period as per bidding data in volume- II.
5. Unless and until a formal Agreement is prepared and executed, this bid, together with your written acceptance thereof, shall constitute a binding contract between us.

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6. We understand that data given by the Department is only for guidance purpose and detailed site investigation regarding subsoil condition, watertable, soil strata, present traffic, present state of existing roads/ structures, surroundings, diversions, networks, local problems, etc. are undertaken by me and my bid is based on the investigations made by me and not on data supplied by the Department.
7. We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this200

Signaturein the capacity of


~~Duly authorised to sign bids for and on behalf of~~
.....

Address.....

Occupation.

(To be filled in by the Bidder, together with his particulars and date of submission at the bottom of the form of Bid)

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3. DETAILS OF PROJECT COST

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Form-2

Details of the total Project Cost

Sr. No	Item	Estimated Cost	
		In figure	In words
A	Broad Details of cost of construction.		
1	Earth Work (a) Earthwork 95 % P.D. (b) Earthwork 100 % P.D. (c) Hard murum for side shoulder.		
2	(a) Granular Sub Base - 260 mm. thick. (b) Granular Sub Base - 150 mm. thick for Section II (c) service road and paved side shoulder.		
3	(a) Wet Mix Macadam - 250 mm. thick. (b) Wet Mix Macadam - 150 mm. thick for service road. (c) Wet Mix Macadam - 200 mm. thick for paved side shoulder.		
4	Hot Mix Hot Laid Bituminous Macadam - 65 mm. thick compacted with 3.3 % bitumen content (60/70 grade bitumen)		
5	(a) Dense Bituminous Macadam - 65 mm. thick compacted with minimum 4.25 % bitumen content (30/40 grade bitumen) over existing road. (b) Dense Bituminous Macadam - 130 mm. thick compacted with minimum 4.25 % bitumen content (30/40 grade bitumen) over widened road portion.		
6	Bituminous Concrete - 40 mm. thick compacted with minimum 5.00 % bitumen content (30/40 grade bitumen) .		
7	Bituminous Carpet - 20 mm. thick compacted with 159 kg / 100 sqm. bitumen content (30/40 grade bitumen) with liquid seal coat.		
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8	Widening of H.P.Drains – 96 Nos		
9	Widening of Slab Drains – 14 Nos		
10	Widening of Minor Bridges – 14 Nos		
11	Construction of Major Bridges – 4 Nos		
12	Builtup concrete gutters - 5860 Rmt. (M-20 C.C.Gutter wall)		
13	Cement Concrete road pavement = 1.00 Kms. (GSB-150 mm.thick, W.M.M.- 100 mm. thick,15 cm thick M-10 Dry lean concrete, C.C. Pavement with PQC M-40, 300 mm. thick)		
14	C.C.Retaining walls/ Toe walls (1200.00 Rmt.) (M-10 for bedding- 300 mm thick, M-15 for wall)		
15	Median Verge (64.32 Kms.)		
16	Road side Furnitures (64.32 Kms.) a) All types of Boards b) Thermoplastic Pavement Marking. c) 200 mt stone, Km Stone, Boundary Stones etc. d) Erection of Gantries e) Metal Crash Barriers f) Zebra painting		
17	Developement of Junctions (Wada & Ambadi junctions- 2 Nos.)		
18	Busbays (10 Nos.)		
19	Vehicular Underpass / Flyover at interchange (3 Nos.)		

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B	Cost of Ancillary Works		
1)	Measurement /line layout		
2)	Administrative & Supervision charges		
3)	Preliminary & pre-operation Expenses		
4)	Cost of construction of Toll Plaza		
5)	Project specific preliminary expenses		
	a) Land acquisition and Encroachment removal- rehabilitation	147936000.00	
	b) Shifting of Electric Poles with service Line		
	c) Tree transplantation		
	d) Any other expenses.		
C.	Cost of any other items if required to complete the work in all respect, concessionaire shall quote the cost.		
	Total Project Cost A + B + C		


Note : Total Project cost shall mean the cost required for construction of the road / bridge etc. including survey, investigation, studies, design and construction, reconstruction, improvement, strengthening and repairs, including temporary works, road furniture, Arboriculture, landscaping, fulfilling and maintaining environmental requirements, toll collection arrangements and all other works connected with the same and it shall be inclusive of all taxes, reasonable returns, interest, etc. The Project Cost shall also include royalty, octroi, vat, etc. including all taxes.

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4. FINANCIAL DETAILS OF PROPOSAL

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Form-3

Financial details of the proposal

Name of Work:- Four Laning of Wada Bhiwandi road SH. No. 35 (Km. 49/000 to 89/070) & Manor Wada road SH No. 34 (Km. 29/550 to 53/800) in Taluka Wada / Bhiwandi / Palghar Dist Thane.

1)	Total estimated Project cost of work (in figure and in words) (As per Form 2)		
2)	a) Assumed Rate of Interest on Debt		
	b) Rate of Interest on Equity (If any)		
3)	Estimated construction period		
4)	Estimated Yearly Maintenance cost		
5)	Concession period offered by the Concessionaire (in figure and in words)		
6)	Estimated cost of Management and overheads, etc. per year		
7)	Estimated cost of Renewals and special Repairs, etc., at specified intervals		
8)	Assumed Debt / Equity Ratio		
9)	Any other Details		

- Note : 1) The cost shall be based on price level at the time of submission of Bids.
2) Breakup of project cost shall be given in form No.2.

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5. YEARLY TOLL COLLECTION BY DIFFERENT MODES

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Form - 4

Statement Showing Estimated Yearly Toll Collection

Name of Work:- Four Laning of Wada Bhiwandi road SH. No. 35 (Km. 49/000 to 89/070) & Manor Wada road SH No. 34 (Km. 29/550 to 53/800) in Taluka Wada / Bhiwandi / Palghar Dist Thane. Bhiwandi Dist. Thane

Sr. No.	VEHICLE CATEGORY	Average Daily Traffic
1.	Car, Jeep (up to 12 passengers excluding driver) e.g. Tata Sumo, Trax, Commander, Six-Seater auto rickshaw (par-tum)	
2.	Mini Buses or similar vehicles (Passenger capacity more than 12 but up to 20 passengers excluding driver) and goods carrying vehicles not covered under 3 & 4.	
3.	Buses & Trucks	
4.	Multi-Axle vehicles excluding vehicles mentioned at No.3 as per Motor vehicles Act-1988 e.g. trailer vehicle with more than two-axle	
TOTAL		

TRAFFIC GROWTH -

No of years	TOLL RATE IN Rs.				TRAFFIC PER DAY				TOLL INCOME/DAY			TOTAL TOLL INCOME/YEAR	DEDUCT FOR FREQUENT TRAVELLERS ETC	NET TOLL INCOME	
	CAR	LCV	TRUCK / BUS	TRAILORS	CAR	LCV	TRUCK/ BUS	TRAILORS	CAR	LCV	TRUCK / BUS				TRAILORS
0															
1															
2															
3															
4															
5															

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6. EXPENDITURE DURING THE CONCESSION PERIOD

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7. CASH FLOW PROJECTION

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Form-6

CASH - FLOW PROJECTION STATEMENT (YEARLY)
(Refer Schedule 'G' of Volume - I)

Name of Work:- Four Laning of Wada Bhiwandi road SH. No. 35 (Km. 49/000 to 89/070) & Manor Wada road SH No. 34 (Km. 29/550 to 53/800) in Taluka Wada / Bhiwandi / Palghar Dist Thane

- 1) Project Cost -
2) Cost of Repairs and Maintenance -
3) Toll collection Charges -
- 4) Rate of Interest -
5) Inflation Rate -

SR. NO.	YEAR	YEAR/ MONTHS /DAYS	PROJECT COST	MAINTN. COST	INFLATION FACTOR	CURRENT PROJECT COST	CURRENT MAINTN. COST	OTHER EXPENDITURE IF ANY	TOLL COLLECTION CHARGES	TOTAL CURRENT EXPENDITURE	NET TOLL INCOME	O/S AMOUNT	INTEREST ON BORROWING	TOTAL O/S AMOUNT	NET INCOME	IRR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
0																
1																
2																
3																

Note : a) "Yearly Cash Flow Statement" shall be worked out from the proposed date of commencement of the project till the end of concession period. This statement shall also indicate the calculated "Financial Internal Rate of Return (F.I.R.R.)" for the quoted concession period.

b) The columns showing details of income shall show full details itemwise such as toll income, income from other sources, etc, and against the column of expenditure itemwise details such as initial Investment, Interest, Maintenance cost etc. shall be given.

c) The bidder must give the cash flow statement in excel format along with formulas for each column in the format prescribed as above by the Department. If the cash flow is not submitted in the format prescribed by the Department the offer will be rejected.

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