



**NATIONAL HIGHWAYS AUTHORITY OF INDIA
(MINISTRY OF ROAD TRANSPORT & HIGHWAYS, GOVT. OF
INDIA)**

**Name of the work: Construction of Foot Over Bridge at Km. 16/550
(Karipatti) in Salem to Ulundurpet section of NH-79
in the State of Tamil Nadu.**

NHAI/RO-Chennai/FOB/NH-79/2024-25/214

VOLUME - II

**Regional Office - Chennai
National Highways Authority of India
(Ministry of Road, Transport & Highways)
5th Floor, CMRL Building,
Poonamalle High Road,
Koyambedu, Chennai-600 107.
Phone No: 044 - 22252635
E mail:rochennai@nhai.org**

SECTION : IX

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BILL OFQUANTITIES

The Appendix forms part of Bid.

Bidders are required to fill up all the blanks in the form of Bid and Appendix thereto)

FINANCIAL BID FORM

To

Regional Officer,
National Highways Authority of India
5th Floor, CMRL Building,
Poonamalle High Road,
Koyambedu, Chennai-600 107.
Phone No: 044 - 22252635
E mail: rochennai@nhai.org

DESCRIPTION OF WORKS: "Construction of Foot Over Bridge at Km. 16/550 (Karipatti) in Salem to Ulundurpet section of NH-79 in the State of Tamil Nadu".

Reference letter No.

Dear Sir,

Having examined the site of works and Bid Documents, comprising Instructions to Bidders, Scope of works, Conditions of Contract, Technical Specifications, Bill of Quantities and schedules for the execution of the above named works, we, the undersigned offer to execute and complete such works and remedy any defects therein in conformity with the said bid documents for the sum of Rs. _____ (Rupees _____) or such other sum as may be ascertained in accordance with the said Bid documents.

2. We undertake, if our Bid is accepted, to commence the work within fifteen (15) days of receipt of the order to commence, and to complete and deliver the sections and whole of the works comprised in the Contract within the period stated in the bid hereto.
3. If our Bid is accepted, we will furnish Performance Security (ies) in the form of a Bank Guarantee to be jointly and severally bound on us, in accordance with the Conditions of Contract.
4. We agree to abide by this Bid for the period of One Hundred & Twenty (120) days from the last date fixed for Bid Submission and it shall remain binding upon us and may be accepted at any time before the expiry of that period.

5. We confirm our agreement to treat the Bid documents and other records connected with the works as secret and confidential documents and shall not communicate information contained therein to any person other than the person authorized by the Employer or use such information in any manner prejudicial to the safety and integrity of the works.
6. Unless and until an agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding Contract between us, but without prejudice to your right to withdraw such acceptance without assigning any reason thereof.
7. We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this _____ day of _____, 20---

Signature _____ in the capacity of _____ duly authorized **

To sign Bid for and on behalf of

(In block capital
letters)

Address: _____

Signature of Witness _____

Name of witness _____

Address of witness _____

** Certified copy of Power of Attorney / authorization for signatures shall be furnished by the bidder.

Bill of Quantities

9.0 Preamble

9.01 The Bill of quantities shall be read in conjunction with the Instructions to Bidders, Conditions of Contract, Scope of Work and Specifications.

9.02 The quantities given in the Bill of quantities are estimated quantities. The basis of payment will be actual quantities of work indented and carried out and valued at the rates and prices tendered in the priced Bills of quantities, where applicable and otherwise at such rates and prices as the Engineer may fix within the terms of Contract.

9.03 The rates and prices tendered in the priced Bill of Quantities shall include all equipment, plant, tools, spares, labour, supervision, overheads, consumables, materials, erection, maintenance, testing of input material delivered, profit, taxes and duties together with all general risks, liabilities and obligations set out and implied in the Contract and other incidentals to comply with the requirements of technical specifications and scope of work.

9.04 The rates and prices shall be quoted entirely in Indian Currency.

9.05

A rate or price shall be entered as a single rate as Tender Premium % above/below of the amount in General Abstract.

9.06 The whole cost of complying with the provisions of the contract shall be included in the items provided in the priced Bill of Quantities and where no rates are provided the cost shall be deemed to be distributed among the rates and prices entered for the related items of work.

9.07 The contractor shall keep the entire carriageway neat and clean throughout the contract period.

9.08 The contractor shall maintain guard rails, railings, crash barriers, road furniture etc. in good condition by cleaning them frequently as advised / required by using suitable detergents / chemicals.

- The staff of the contractor shall wear safety jackets, shoes, helmets etc. while on duty and any violation will attract a fine of Rs.5,000/- for each incident.
- Failure to erect safety signage or trying to carry out the works without proper precautions / safety measures as required will attract a fine of Rs.5,000/- for each incident.

9.09 The Tendered rate for Incident Management shall include all equipment, labour, material, consumable, tools, spares and other incidentals to comply with the requirement of the scope of the work and technical specification.

9.10 General directions and descriptions of work and materials are not necessarily repeated or summarized in the Bill of Quantities. Reference to the relevant sections of the bidding documents shall be made before entering rates or prices.

againsteachitemintheBillofQuantities.

DESCRIPTION OF WORK:“Construction of Foot Over Bridge at Km. 70/200 in Salem to Ulundurpet section of NH-68 in the State of Tamil Nadu – 2nd Call”

ABSTRACT OF COST

S.No.	Description	Amount
1	Grand Total of BOQ	Rs. 1,99,39,415/- excluding GST (Rupees One CroreNinety-Nine LakhsThirty-NineThousand Four Hundred and FifteenOnly)
	I/Weagree to executetheaboveworks onthe tender premium -----% above/belowtheGrandTotalofthe Project Cost as given above.	(In words) -----percent Above /Below

Bill of Quantities

S.No	Description	Unit	Qty	Rate (Rs)	Amount (Rs)	Remarks
A	FOOT OVER BRIDGE					
1	Supply, fabrication and erection of steel works in main over bridge and approach including cost of painting as per drawing and technical specifications as per Clause No.1000 & 1900	MT	78.00	178385.00	1,39,14,030	
2	Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.	Cum	685.94	160.00	1,09,750.40	
3	Providing and laying cement concrete M15 grade by concrete mixer with stone aggregates 40mm nominal size as per drawing and technical specifications under sections 1000 & 1700 of MOST Specifications for Road & Bridge Works	Cum	20.14	6099.00	1,22,833.86	
4	Providing and laying M25 grade design mix concrete with well graded stone chips and coarse sand by concrete batching plant for RCC work in open foundation with necessary formwork complete as per drawing and technical specifications under Sections 1000 & 1700 of MOST Specifications for Road & Bridge work	Cum	133.00	7295.00	9,70,235	
5	Providing and laying M30 grade design mix concrete with well graded stone chips and coarse sand by batching plant for reinforced concrete for substructure & superstructure complete including formwork etc. as per drawing and technical specifications under Sections 1000 & 1700 of MOST Specifications for Road & Bridge Works	Cum	107.00	7760.00	8,30,320	
6	Supplying, Fitting and Placing HYSD bar Reinforcement in Foundation complete as per Drawing and Technical Specifications.	MT	13.30	78607.00	10,45,473.1	
7	Supplying, fitting and placing HYSD bar reinforcement in sub-structure complete as per drawing and Technical Specifications	MT	10.70	78926.00	8,44,508.20	

8	Providing corrugated G.I. sheet roofing including vertical/curved surface fixed with polymer coated J or l hooks, bolts and nuts 8mm diameter with bitumen filled with white lead and including a coat of approved paint on overlapping of sheets complete up to any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required	Sqm	186.42	853.00	1,59,016.26	
	Total Cost for Foot Over Bridge				1,79,96,166.82	
B	Metal Beam Crash Barrier					
	Providing and erecting a "W" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road level, all steel parts and fitments to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm, 330 mm long complete as per clause 810	Rmt	160.00	4188	6,70,080	
C	Provisions of Sign Boards	Ls			20,000	
D	Provision of Solar Light (36 watts)	No	10.00	43250	4,32,500.00	
E	Widening of Service Road BHS					
1	Excavation for roadwork in soil with hydraulic excavator including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location within all lifts and lead upto 1000m		98.42	104.9	10,324.57	
2	Construction of granular sub-base by providing close graded Material, mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401		34.84	2468.21	85,992.44	
3	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 grader in sub- base / base course on well-prepared surface and compacting with vibratory roller to achieve the desired density.		43.55	2529.86	1,10,175.40	

4	Providing and applying primer coat with SS1 grade bitumen emulsion on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.70 to 1.00 kg/sqm using mechanical means.		174.20	56.73	9,882.37	
5	Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous surface cleaned with mechanical broom.		174.20	11.88	2,069.50	
6	Providing and laying dense graded bituminous macadam with higher capacity batch type HMP using crushed aggregates of specified grading, premixed with bituminous binder @ 4.0 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects.		14.81	9280.93	1,37,422.73	
7	Providing and laying bituminous concrete with higher capacity batch type hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder @ 5.2 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects		5.23	11824.09	61,792.69	
8	Construction of sub-grade and earthen shoulders with approved material obtained from borrow pits with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of table No. 300-2		23.73	78.8	1,869.53	
					4,19,529.23	
F	Drain construction					
	PCC M20 grade for Trapezoidal drain		61.60	6512	4,01,139.20	
		Total (A+B+C+D+E+F)			1,99,39,415	