



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

Construction of Foot Over Bridge at Km. 331+600 of NH-150A near B.G.Kere village between the stretch of Byrapura Challakere section in the state of Karnataka

NIT No.09/NHAI/RO-BNG/13032/Tender/2024-25 dated 08.07.2024

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VOLUME - II

National Highways Authority of India

Regional Office, Bengaluru - Tumkur Road (NH-4),
M.S Ramaiah Enclave,
Beside Nagasandra Metro station Bengaluru- 560073
Tele: 080-28397156/7171, Fax: 080-28377171,
Email: robangalore@nhai.org

SECTION: XII



BILL OF QUANTITIES

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.
NHAI, Regional Office,
Bengaluru -Tumkur Road (NH-4),
MS Ramaiah Enclave,
Beside Nagasandra Metro Station,
Bengaluru-560 073.

DESCRIPTION OF WORKS: “Construction of Foot Over Bridge at Km. 331+600 of NH-150A near B.G. Kere village between the stretch of Byrapura Challakere section in the state of Karnataka”

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 reasons thereof.

7. We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this _____ day of _____ 2024

Signature _____ in the capacity of _____ duly authorized

To sign Bid for and on behalf of _____
(In block capital letters)

Address: _____

Bill of Quantities for FOB

9.00 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 with in 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 against each item in the Bill of Quantities whether the quantities are stated or not. The cost of the items against which the contractor has failed to enter rate or price shall be deemed to be covered by other rates and prices entered for the related items of work.

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. 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.

9.08 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 document shall be made before entering rates or prices against each item in the Bill of Quantities.

BILL OF QUANTITIES

Cost Estimation of Foot Over Bridge at Km. 331.600 (B.G.Kere) Village

Description	Unit	Quantity	Rate (Rs)	Amount (Rs)
Earth work excavation for foundation structures as per drawing and technical specification, including setting out, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling with approved excavated materials to the extent required and utilizing the remaining earth locally for road work. Including labour disposal of un serviceable excavated stuff within 100mtrs radius etc. complete with all lead, lifts, loading unloading for the successful completion of work. (depth up to 3m)				
In all types of soil including ordinary rock by manual means	Cum	278	226	62,724
Filling with approved borrow area material	Cum	359	472	1,69,372
Providing & laying Plain / Reinforced Cement Concrete in Open foundation using granite/trap/basalt aggregates and clean sieved approved fine aggregate or double washed crushed metal sand including mixing mechanically, laid in layers not exceeding 15cm thick layers, as per Drawing including cost of all materials, formwork, centring, vibrating, compacting, hire charges of machinery, lead, lift, loading, unloading, transporting, stacking, curing, finishing the exposed faces etc., complete. (excluding cost of steel and fabrication charges).				
PCC M15 (by Using Concrete Mixer)	Cum	35	5,831	2,06,875
Providing and laying plain / reinforced cement concrete in open foundation using granite/trap/basalt aggregates and clean sieved approved sand including mixing mechanically, laid in layers not exceeding 15cm thick layers, as per drawing including cost of all materials, formwork, centring, vibrating, compacting hire charges of machinery, lead, lift, loading and unloading, transporting, stacking, curing, finishing the exposed faces etc., complete except lead for cement (excluding cost of steel and fabrication charges)				
RCC M 30 in foundation and pedestal (by Using Concrete Mixer)	Cum	147	7,338	10,79,044
Providing TMT steel bar reinforcement conforming to IS 1786, Fe 500 grade in foundation including straightening bars, cutting, bending, hooking, binding with approved quality binding wire after placing in position, tying, lapping and/ or welding wherever required and anchoring to the adjoining members where ever				

necessary as per drawing (laps, hooks and wastage shall not be measured and paid) including cost of all materials, bar bending charges, labour, lifts etc., complete except lead for steel				
Footings , pedestals, slab	MT	11.76	97,114	11,42,440
Supply, fabrication, transportation and erection of structural steel members for FOB, conveying & lifting arrangements as per drawings issued				
Sub structural steel	MT	4.48	1,72,379	7,71,958
Super structural steel	MT	40.84	1,78,343	72,83,230
Supplying and applying of Enamel painting for FOB structures with 2 Coats of approved shade by concerned Engineer including all Cleaning works, Labour charges	Sqm	1,718.62	83	1,42,645
Supply and fixing of GS Roofing sheet	Sqm	227	795	1,80,215
Supply and fixing of mesh with 50x50x2mm angle of 1.1mt height	sqm	81	676	55,026
Fencing 1.2mt height with 75x50x6mm	Rmt	200	750	1,50,000
Deck sheet	Sqm	446	1,163	5,18,117
Chequered Plates 6mm thk	Kg	7,091	97	6,87,798
Dismantling kerb stone by manual means and disposal of dismantled material with all lifts and up to a lead of 1000 metre including all labour, hire charges of all machineries etc., complete.	Rmt	40	27	1,080
Dismantling MBCB by manual means and disposal of dismantled material with all lifts and up to a lead of 1000 metre including all labour, hire charges of all machineries etc., complete.	Rmt	80	95	7,600
Construction of unlined surface drain	Rm	140	59	8,260
Total				1,24,66,386

Note:

1. Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the bill of quantities (Refer: ITB Clause 13.2 and GCC Clause 43.3).
2. Unit rates and prices shall be quoted by the bidder in Indian rupee [ITB Clause 14.1].
3. Where there is a discrepancy between the rate in figures and words, the rates in words will govern. [ITB Clause 27.1(a)].
4. Where there is discrepancy between the unit rate and the line-item total resulting from multiplying the unit rate by quantity, the unit rate quoted shall govern [ITB Clause 27.1(b)].

Note: The drawing and cost estimate are tentative, the actual design and drawing shall be prepared by the contractor and any variation in cost estimate for earthwork, civil work, steel work and shifting of any obstructing utility shall be responsibility of the contractor, no change of scope / variation is applicable for the same.