



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

Execution of balance/maintenance work of Huma at Risk and Cost of the EPC Contractor of Six / Four laning of Puintola to Tangi section of NH-16 from Km 284.000 to Km 355.000 in the state of Odisha- 2nd call.

VOLUME- II

**National Highways Authority of India
(Ministry of Road, Transport & Highways)
Regional Office,
Odisha**

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SECTION: IX

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,

**General Manager (Tech),
Regional Office,
Odisha**

DESCRIPTION OF WORKS: BID FOR **Execution of balance/maintenance work of Huma at Risk and Cost of the EPC Contractor of Six / Four laning of Puintola to Tangi section of NH-16 from Km 284.000 to Km 355.000 in the state of Odisha-2nd call.**

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 Two (2) 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 _____ 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 signature shall be furnished by the bidder.

Bill of Quantities

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 (excluding GST) 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 on 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 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 Deleted

9.09 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 Quantity

MCW

SI No	Description of Items	Unit	Length(m)	Width (m)	Depth (m)	Qty	Rate	Amount
1	Tack Coat on Bituminous surfaces (Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 to 0.30 kg per sqm on the prepared bituminous surface cleaned with mechanical broom.)	Sqm	700	13		9100	18.43	167,748.83
2	Bituminous Concrete Grading - I (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	Cum	700	6.50	0.05	228	17,789.76	4,047,169.36

	wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects)							
3	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface (Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes.)	Sqm	700			233	331.00	77,156.10
	Total Amount for Civil Contract							4,292,074.29

Service Road									
Sl No	Description of Items	Unit	Nos	Length(m)	Width (m)	Depth (m)	Qty	Rate	Amount
1	Tack Coat on Bituminous surfaces (Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 to 0.30 kg per sqm on the prepared	Sqm	1	1000	7.00		7000	18.43	129,037.56

	bituminous surface cleaned with mechanical broom.)								
2	Bituminous Concrete Grading -II (Providing and laying bituminous concrete with higher capacity batch type hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder @ 5.4 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)	Cum	1	1000	7.00	0.04	280	18,169.65	5,087,502.00

3	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface (Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes.)	Sqm		1000			333	331.00	110,223.00
	Total Amount for Civil Contract								5,326,762.56

ABSTRACT					
-	Description	Length			Amount
A)	MCW	700		Rs	42,92,074.29
B)	Service Road	1000		Rs	53,26,762.56
	Total Civil Cost				96,18,836.85
C)	Labour Cess @ 1% of Civil Cost			Rs	96,188.37
	Total Cost including labour cess			Rs	97,15,025.22

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ABSTRACT OF COST

Sl.No.	Description	Amount (Including labour cess and Excluding GST)
1	Grand Total of BOQ	Rs. 97,15,025 /- (Rupees Ninety Seven Lakh Fifteen Thousand Twenty Five Only)
	I/We agree to execute the above works on the tender premium -----% above/below the Grand Total of the project Cost as given above.	(In words) -----percent Above / Below