

TENDER

(Tender Ref. No.: JIL-YEW/NIT/2024/101 Dated 04.01.2024)

VOLUME - II : (BOQ)

For

THERMOPLASTIC PAINT WORK

Providing and applying of thermoplastic paint for road marking (2.5mm thick) at various locations from Km 0+000 to Km 165+000 on Yamuna Expressway, UP.

(Last Date for Submission of Bids: 15th of January, 2024)

Issued By

Jaypee Infratech Limited
Sector 128, Noida – 201304
Uttar Pradesh, India



PREAMBLE TO BILL OF QUANTITIES

1. This Bill of Quantities ("BOQ") shall be read in conjunction with all Volumes of the tender documents such as NIT, GCC and all other documents as mentioned in the tender documents.
2. Rates shall include the cost of all materials, labour, tools, plants and machinery, equipment, Crane, all form works, transportation and wastages etc. and testing of materials with Contractor's testing appliances (as required), all other taxes, duties, levies, royalties, any other statutory obligations, Electricity, water, Contractor's overheads & profit etc. Only GST shall be paid extra, as applicable.
3. The items of work set out herein which are further detailed in the work order, shall be carried out as per the approved drawings, specifications and directions of the Engineer-in-charge of Jaypee Infratech Limited (hereinafter called as JIL).
4. The Contractor shall be deemed to have studied the drawings, specifications and details of work to be completed within the time schedule and to have acquainted itself with the conditions prevailing at Site. The quoted rates shall be applicable for all works in any shape/size/section and design etc.
5. The quantities shown against various items, as provided by JIL, are estimated and provisional and are given to provide a common basis for bidding. Any increase or decrease in the quantities shall not form the basis for alteration of the rates quoted and accepted. The basis of payment will be actual quantities of work ordered and carried out.
6. In cases where the specifications given in the Description of the item of work in BOQ are found wanting, MoRTH & IRC Specifications, the CPWD Specifications-2019 (with up-to-date correction slips), shall be followed; and where not specified, specifications of the latest edition of relevant IS codes shall be applicable. In case of any ambiguity in interpretation, JIL's decision shall be final and binding.
7. The rates and the prices shall hold good for all heights/ depths leads, lifts and levels, working in all conditions including in/under water, liquid mud, foul conditions etc. unless otherwise specifically stated against an item in the BOQ.
8. Rates include all costs for disposal of rubbish or malba etc. (generated / accumulated by the Contractor during the execution of this work) outside the site premises, removal of labour hutment, any temporary structure etc., demobilization from site/any premises provided by JIL. Nothing extra shall be payable on any such account.
9. General directions and descriptions of work are not necessarily repeated nor summarized in the Bill of Quantities. References to the relevant sections of the contract documentation shall be made before entering prices against each item in the priced Bill of Quantities.
10. All materials samples to be submitted and got approved from JIL before execution of work
11. 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 items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related items of Work.
12. The method of measurement of completed work for payment shall be in accordance with the Technical Specifications & IS Codes.

BILL OF QUANTITIES (BOQ)**Providing and applying of thermoplastic paint for road marking (2.5mm thick) at various locations from Km 0+000 to Km 165+000 on Yamuna Expressway, UP.**

Sl. No.	Item Description	Unit	Quantity	Rate (INR)	Amount (INR)
1	<p>Providing and applying 2.5mm thick road marking strips (retro-reflective) of specified shade/colour using hot thermoplastic material (Material specification as per MORTH Clause No. 803.4) & having drop-on glass beads @ 300 gm/sqm as per BS 6088 Class B Specification from Potters of fully automatic/semi-automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator.</p> <p>The Contract unit rate for road markings shall also be inclusive of cost of removal of existing road marking, furnishing all labour, materials, tools, equipment, including all incidental costs necessary for carrying out the work at the site conforming to the specified specifications all complete as per the approved drawing(s) or as directed by the Engineer in-charge.</p> <p>Measurement for payment- The painted markings shall be measured in sq. metres of actual area marked.</p>				
1(a)	On rigid road surface including primer in between Km 115+000 to Km 150+000 on Main Carriageway of Yamuna Expressway	SQM	21000		
1(b)	On flexible road surface (Micro-surfacing Road Surface) at various locations on Main Carriageway from Km 0+000 to Km 74+530 partly, Ramp A at Km 36+180, Ramp (Aligarh Exit) at Km 48+000 Interchange, Ramp A,B,D at Km 67+143 and on all structures from Km 95+000 to Km 165+000 along Yamuna Expressway.	SQM	17416		

TOTAL AMOUNT, excluding GST**Total Amount excluding GST (in Words)**

- Note**
- Above quoted Rates are inclusive of Labour Cess, other cess, octroi, royalty, all other taxes etc.
 - Only GST shall be paid extra as applicable.**
 - Unit : "SQM"** means 'Square Mtr'.
 - Safety plan work zone shall be followed by Contractor as per IRC:55. Safety Plan should be approved from client prior to start work
 - Third Party tests of Road Marking Material** will be done as per required standards & specifications from a NABL Accredited Laboratory suggested by JIL. The cost of test shall be borne by Contractor. The testing frequency shall be every test on execution of 10,000 Sqm of Road marking Work with thermoplastic paint material and as per quality plan approved by EIC.
 - Above **work shall be executed in phases**; item no 1(a) will be started as **Phase-1**, while item no 1(b) will be done in **Phase-2**.