

TENDER

(Tender Ref. No.: JIL-YEW/NIT/2023/09 Dated 11.12.2023)

VOLUME - II : (BOQ)

For

JOINT SEALING WORKS

Repair involving removal of old joint Sealant and Sealing with Fresh sealant material Polyurethane, in cement concrete pavements (for Phase-1) on Yamuna Expressway, UP.

(Last Date for Submission of Bids: 22nd of December 2023)

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, 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.
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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)**Repair involving removal of old joint Sealant and Sealing with Fresh sealant material Polyurethane, in cement concrete pavements (for Phase-1) on Yamuna Expressway, UP.**

Sl. No.	Item Description	Unit	Quantity	Rate (INR)	Amount (INR)
1	<p>Providing and fixing/resealing of contraction & longitudinal joints in concrete pavement with fresh sealant material Polyurethane of approved make as per clause 602.2.10. Appropriate type of primer & mastic tape 2" shall be applied.</p> <p>The joint sealing compound shall be of cold poured Polyurethane single component type having flexibility, resistance to age hardening and durability as per IRC:57. The material shall meet the requirements as mentioned in IRC:57.</p> <p>The existing sealant shall be raked out with the help of a metal raker such that most of the sealant is removed. Subsequently, the sealant stuck to the sides of the grooves shall be removed thoroughly either by using saw cutting machine so that grooves may be widened by 1 mm or by sand blasting. If joint grooves are found inadequate in depth, they shall be deepened as directed by the engineer. The edges of the groove shall be chamfered. Any spalls of the joint shall be made good by epoxy mortar.</p> <p>Before commencing the sealing operation, compressed air shall be used to clean the joint grooves. A Compressible caulking material backer rod should be inserted in accordance with the requirement of clause 602.10.2. Sealant may be poured either using hand held pourer or using mechanized sealing machines. All precautions and arrangements shall be taken not to spill the sealant on the concrete pavement.</p> <p>Contract unit rate of replacement of joint sealant shall be in full compensation for:</p> <p>a) Removal of old sealant, regrooving or sand blasting the sealing groove and placing of backer rod.</p> <p>b) All tools, equipments and incidentals to complete the work in accordance with the specifications.</p> <p>complete as per the technical specification and as directed by the Engineer-in-charge. Item rate shall be inclusive of all materials, manpower, equipment cost, royalties, transportation, etc.</p> <p>Sealant Material Polyurethane specification should be as per BS:5212 & IRC 57.</p> <p>Dimensions:</p> <p>Groove Size - (24mm depth x 10mm-15mm width)</p> <p>Sealant material Polyurethane Filling- (6mm depth x 10mm-15mm width)</p> <p>Compressible caulking material backer rod Filling- (15mm depth x 10mm-15mm width)</p> <p>Approved Make- Fosroc/ Sika/ STP/ Pidilite/ Supreme .</p>	Rmtr	422500		

Total RS.**Total Amount excluding GST (in Words) -****Note:** Above quoted Rates are inclusive of all taxes, Labour Cess, other cess, octroi, royalty etc.**Only GST shall be paid extra as applicable.****Unit "Rmtr"** means 'Running metre'.